



International Automotive Trading Inc.

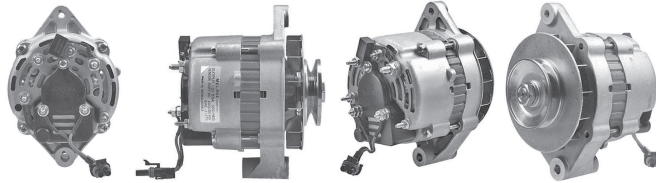
STARTERS & ALTERNATORS FOR TRACTOR APPLICATIONS



EDITION 2017



MANDO ALTERNATORS FOR BOBCAT APPLICATIONS

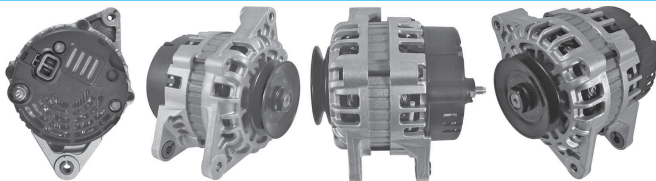


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12175	12	55	-	I/R	1-V Solid

REPLACE Mando: A000B0431, AC155513, AR150CA, AR150DA; Bobcat: 6632211, 6661611; Yamaha: 10140010; Pic Book: 293-12, 293-19; Lester: 12175, 12425.

APPLICATIONS BOBCAT Articulated Loaders: 1600 Kubota V1702 Diesel 1986-1993; Compact Excavators with Kubota Diesel: 220 D750, 225 D1402 Diesel, 231 D1902 1990-1998, 325C D1703EB, 325D D1703B, 331 / 331EB V22003EB, 331C V22003B, 337D V2003TEB; Skid Steer Loaders with Kubota Diesel: 543 / 543B D950B, 553 / 553F D1005B, 643 D1402BA, 743 / B / DS V1702BA, 753 / 753G V1903EB, 753C / 753F / 753H / 753HC C2203EB, 763 / C / F / G / HC / HF V2203EB, 773 / C / F / G V2203EB, 7753 V2203EB; Trenchers: 3023 Kubota V1702 Diesel; KUBOTA Engines: V2203 2.2L Diesel 1990-On.

NOTE Mando Alternator for Bobcat / Kubota Applications. This Alternator Uses a Single V-Groove Pulley, 1/2" Belt. Molded Plug on the End of the Regulator.

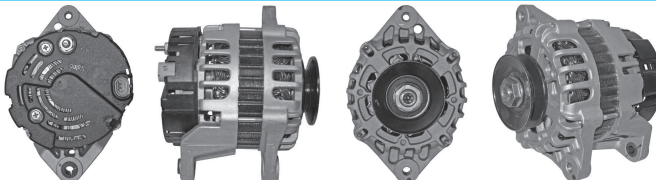


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12390N	12	90	-	I/R	1-V Solid

REPLACE Valeo: TA000A48401, TA000A48402; Mando: 66785292; Bobcat: 6675292, 6678205; Pic Book: 208-380; Lester: 12390.

APPLICATIONS BOBCAT Skid Steer Loaders: S185 with V2203TEB Kubota Diesel, S250 with Kubota V3300DI Turbo Diesel 2002-2003.

NOTE Valeo / Mando Alternator for Bobcat Skid Steer Loaders with Kubota Diesel Engines and Compact Track Loader with Deutz Diesel Engine. This Alternator Uses a Single V-Groove Pulley.



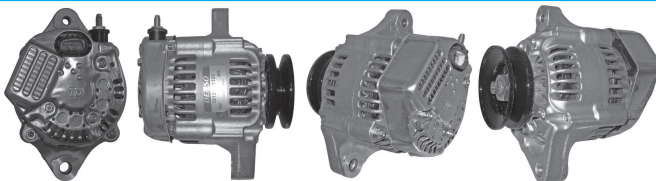
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A655302	12	80	L-D	I/R	1-V Solid

REPLACE Valeo: A0002655302, 2655302, 425303; Bobcat: 6678560; Pic Book: 208-989.

APPLICATIONS BOBCAT Skid Steer Loaders with Kubota Diesel Engines.

NOTE Valeo Alternator for Bobcat Skid Steer Loaders with Kubota Diesel Engines and Compact Track Loader with Deutz Diesel Engine. This Alternator Uses a Single V-Groove Pulley.

NIPPONDENSO ALTERNATORS FOR BOBCAT APPLICATIONS



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12337	12	40	P-IG-L	I/R	1-V Solid

REPLACE Denso: 101211-1100; Lucas Electrical: LRA2008; Bobcat: 6669618; Pic Book: 290-448; Lester: 12337.

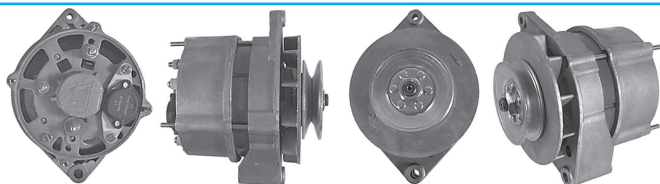
APPLICATIONS BOBCAT Compact Excavators: 320 Kubota D750 Diesel 1993-1999; Skid Steer Loaders: 453C Kubota D750B Diesel 1994-1998, Loaders 553 Kubota D1005B Diesel 1995-2000, 553F Kubota D1005B Diesel 1995-2000.

NOTE Denso Alternator for Bobcat Applications with Kubota Diesel Engines. This Alternator Uses a Single V-Groove Pulley.

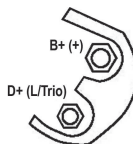




BOSCH ALTERNATORS FOR CASE APPLICATIONS



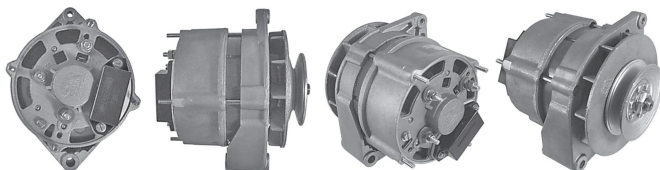
PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A1057	12	65	-	I / R	1-V Solid



REPLACE Bosch: 0-120-488-205, 0-120-488-293, 0-120-489-475; Bosch Reman.: AL9959X; Magnetron: 9515-170; Case: A186125, A187873; Caterpillar: 3E7285; Cummins: 3604448RX, 3920679, 3675270NW; John Deere: AT173624; Thermo King: 44-8499, 6779713; Iskra: IA0595, 11.201.595, AAK1363; Pic Book: 220-200, 220-345* (8-Groove Pulley), 282-190 (Iskra Replacement); Lester: 12146, 12161*.

APPLICATIONS Case Crawler Dosers / Tractors: 1150H-6-590 Diesel 2000-2006, 450C / 455C 4-390 Diesel 1983-1993, 550 / 650 4-390 Diesel 1989-1991, 550G 4-390 Diesel 1995-2000, 550H 4-390 Diesel 1999, 650G 4-390 Diesel 1994-2000, 650H / 750H 4-390 Diesel 2000-2003, 650K 4-390 Diesel 2003-2007, 750K Case 4T-390 2002, 850H 6T-590 Diesel 2000-2003, 850K Case 6T-590 2002-2004; Case Lift Trucks: 584E / 585E / 586E 390 Diesel 1990-1999, 585G / 586G 390 Diesel 1999-2000; Loaders - Backhoe: 480E / 480R LL / 480F / 480F LL Construction King 6-590 Diesel 1989-1994, 580K 4-390 Diesel 1986-1994, 580L 4-390 Diesel 1995-1998, 580M Case 445/M2, 580SM Case 445T/M2, 590CK 1992, 590SL 1995, 590SL Series III Case 445TA/E3 2008, 680L Construction King 6-590 Diesel 1988-1994, 780D Construction King 6T-590 Diesel 1988-1992; Landscapers: 570LXT 390 Diesel 1995-1999, 570LXT Series II / 570MXT 390 Diesel 1998; Skid Steer Loaders: 40XT / 60XT / 70XT / 75XT / 85XT / 90XT / 95XT 390 Diesel 1998-2001; Farm Tractors: 1896 / 2096 6-359 Diesel 1984-1989, 5120 4-239 Diesel / 5130 / 5140 6-359 Diesel 1990-1991, 5220 4-239 Diesel / 5230 / 5240 / 5250 6-359 Diesel 1992-1997, MX100C 2-244 Diesel 1998-1999, MX100 / MX110 / MX120 / MX135 6-359 Diesel 1997-1999; Trenchers: 25+4 1988-1994, 360 1988-1998, 560 Kubota V2203 Diesel 1994-2001, 6030 390 Diesel 1997-2000, 660 390 Diesel 1992-2001, 760 390 Diesel 1988-1997, 860 390 Diesel 1993-2001, DH4B Mitsubishi Diesel 1989-1991, TF300 Deutz Diesel 1988; Uni-Loaders: 1835C Teledyne Diesel / Gas 1992-1998, 1840 390 Diesel 1990-1999, 1845C 390 Diesel 1993-1999; Wheel Loaders: W11B 390 Diesel 1983-1993; Windrowers: 4000 225 / 232 / 258 Gas, 5000 225 / 232 / 258 Gas 1985-1992, 4000 / 5000 239 Diesel 1985-1992, 8830 Diesel 1983-1997, 8840 / 9840 1987-1993.

NOTE Bosch or Magnetron Alternator for Atlas Copco, Case, Cummins, Ingersoll Rand, Thermo King. Bosch Replacement for Delco 10SI Unit. 12146 is Superseded by the 12161.



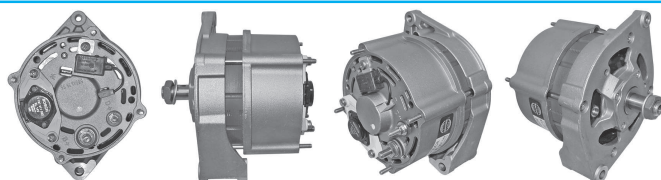
PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A1089	24	45	-	I / R	1-V Solid

REPLACE Bosch: 0-120-488-206, -294, 0-120-489-481; Bosch Reman.: AL9940X, AL9948X; Case: A186124, A186153, AR187916, P941518P, P941542; Cummins: 3020678, 3284392, 3604479RX, 3675275NW, 3911247, 3920678; JCB: 714/31500; John Deere: AL12148, AT161324, TY24322, TY6774; Iskra: IA0759, 11-201-759, AAK1387; Prestolite: 20130211; Pic Book: 220-199, 220-378, 282-224 (Iskra Replacement); Lester: 12147, 12148.

APPLICATIONS Case Crawler Dosers / Tractors: 1150E 6-590 Diesel 1985-1989, 1150E 6-830 Diesel 1990-1996, 1150G 6-590 Diesel 1996-2000, 850E 6-590 Diesel 1992-1993, 850G 6-590 1994-2000, Crawler Excavators: 1085B 6T-590 Diesel 1983--1990, 1086B 6T-590 Diesel 1985--1990, 1085C 6T-830 Diesel 1989--1992, 1088B 6T-590 Diesel 1988--1990, 9010 / 9020 390 Diesel 1993--1994, 9010B / 9020B 390 Diesel 1994--2000, 9030 6T-590 Diesel 1993--1994, 9030B 6T-590 Diesel 1994--2000; Wheel Loaders: 521D 390 Diesel 2001, 621 6T-590 Diesel / 721 / 821 6T-830 Diesel 1989-1993, W14B 6-590 Diesel 1985-1989, W14C 6-590 Diesel 1990-1993, W18B 504 Diesel 1983-1988, W20C 504 Diesel 1982-1989, W30 504 Diesel 1984-1989; Feller Bunchers: 1187C 6T-830 Diesel 1989-1992.

NOTE Bosch Alternator for Case, John Deere, Komatsu, Onan.

BOSCH ALTERNATORS FOR CASE APPLICATIONS

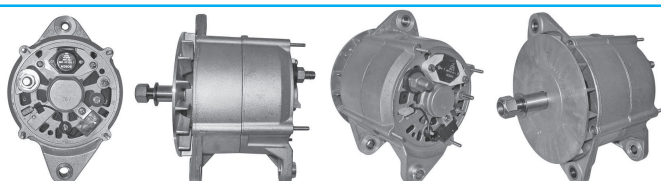


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A971	12	95	-	I / R	-

REPLACE Bosch: 0-120-484-011, -018, -026; 0-986-040-280; Bosch Reman.: AL9971X; Iskra: IA0875, IA1348, 11-201-875, 11-203-268, AAK4307, AAK5165; Lucas Electrical: LRA2731; Case: A187623; Caterpillar: 1052813, 9X0341; Cummins: 3282554; John Deere: AH137883, AT220394, RE36267, SE501342, TY6750; Pic Book: 220-343, 282-240, -611 (Iskra); Lester: 12145.

APPLICATIONS Case Crawler Dozers: 1150H 6-590 Diesel 2000-2006, 650K Case 4T-390 2003, 650K Series 2 Case 4.5L 2005, 650K Series 3 Case 4.5L 2007, 750H Case 4-390 2000-2003, 750K Case 4T-390 2002, 750K Series 2 Case 4.5L 2005, 750K Series 3 Case 4.5L 2007, 850H 6T-590 Diesel 2000-2003, 850K Case 6T-590 2002-2004, 850K Series 2 Case 6.8L 2005-2007, 850K Series 3 Case 6.8L 2007-2008; Loaders - Backhoe: 580K 4-390 Diesel 1986-1994, 580SK, 590 Turbo, 680L Construction King 6-590 Diesel 1988-1994, 780D Construction King 6T-590 Diesel 1988-1992; Farm Tractors: 1896 / 2096 6-359 Diesel 1984-1989, 5120 4-239 Diesel 1990-1991, 5130 / 5140 6-359 Diesel 1990-1991, 5220 4-239 Diesel 1992-1997, 5230 / 5240 / 5250 6-359 Diesel 1992-1997, MX100 6-359 Diesel 1997-1999, MX100C 4-244 Diesel 1998-1999, MX110 / MX120 / MX135 6-359 Diesel 1997-1999, MX150 / MX170 6-359 Diesel 1998-1999, MX80C / MX90C 4-244 Diesel 1998-1999.

NOTE Bosch Alternator for Case, Caterpillar, John Deere. Bosch AL9942X is a Different Version, but will Interchange, for 120 Amp. Version Use 9-120-060-042 (Lester 12372).

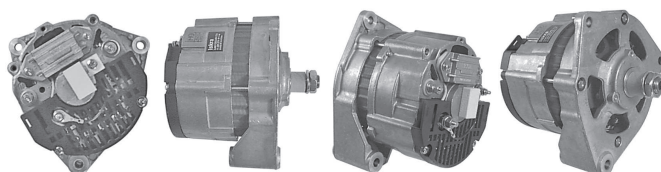


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A12149	24	65	-	I / R	-

REPLACE Bosch: 0-120-468-054, 0-986-043-507; Bosch Reman.: AL9946X; Cummins: 3923624; International: 1964860A1, 1964860C1; Pic Book: 220-367; Lester: 12149.

APPLICATIONS Case Crawler Dosers: 1150K Case 6.7L 2006, 1650L Case 6.7L 2007; Crawler Excavators: 9040 6T-830 Diesel 1993-1994, 9040B 6T-830 Diesel 1994-2000, 9045B 6T-830 Diesel 1998-2000; Crawler Tractors: 1150K Case 6.7L 2006; Wheel Loaders: 521D 390 Diesel 2001, 621 6T-590 Diesel 1989-1993, 621B 6T-590 Diesel 1993-1999, 621C 6T-590 Diesel 1999, 621D 6T-590 Diesel 2001, 621E Case 667TA/EDB 2007, 721 6T-830 Diesel 1989-1993, 721B 6T-830 Diesel 1993-1998, 721C 6T-830 Diesel 1997-2001, 721E Case 667TA/EED 2006, 821 6T-830 Diesel 1989-1993, 821B 6T-830 Diesel 1993-1999, 821C 6T-830 Diesel 1997-2001, 821E Case 6.7L 2006, W14C 6-590 Diesel 1990-1993, W36 Cummins Diesel .

NOTE Bosch Alternator for Case Excavators / Wheel Loaders, Cummins Diesel and New Holland Wheel Loaders. For 80 Amp. Version Use 0-120-468-136 (Lester 12157).



PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A12217	24	27	-	I / R	-

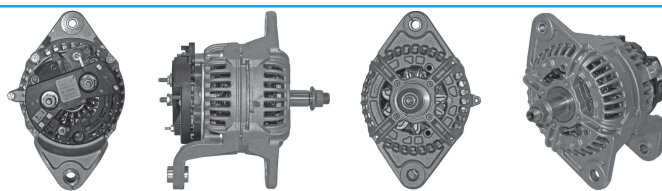
REPLACE Bosch: 0-120-489-030, -730; 0-986-033-330, -331; Iskra: IA0574, 11-201-574, AAK1352; Marelli: MAR902, 9433 577 65; Case: 3218884EX, R91; Faun: 1702114; Hanomag: 2987718M91; Hatz: 50366600; International: 3218884R91; Iveco: 42498157; KHD: 117-2650; Liebherr: 620-13-67; MAN: 81-26101-6012; Mercedes: 006-154-1702; Poclain: Q-0641553; Volvo: 6209191; Steyr: 610-00-09-0073; Pic Book: 220-369, 282-108 (Iskra); Lester: 12217.

APPLICATIONS Case Crawler Excavators: 170C with Deutz Engine 1987-1991.

NOTE Bosch Alternator for Atlas, Atlas Copco, Liebherr and Case with Deutz Engines.



BOSCH ALTERNATORS FOR CASE APPLICATIONS

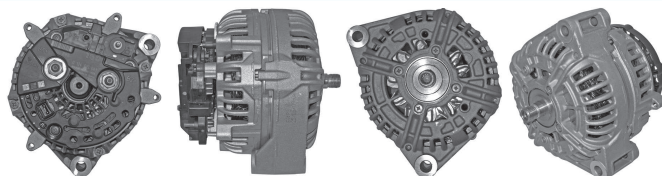


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A12490	12	160	-	I / R	-

REPLACE Bosch: 0-124-525-085; Bosch Newman.: AL9960LH;
Pic Book: 220-5300; Lester: 12490.

APPLICATIONS CASE Farm Tractors: 9210 6-504 Diesel 1990-1995, 9230 6-504 Diesel 1990-1995, 9240 6-504 Diesel 1990-1995, 9250 Cummins 6-611 Diesel 1990-1995, 9260 Cummins 6-611 Diesel 1990-1995, 9270 Cummins 6-855 Dsl 1990-1995, 9280 Cummins 6-855 Diesel 1990-1995, 9310 6-504 Diesel 1995-2000, 9330 6-504 Diesel 1995-2000, 9350 Cummins 6-611 Diesel 1995-2000, 9370 Cummins 6-855 Diesel 1995-2000, 9370QT Cummins 6-855 Diesel 1995-2000, 9380 Cummins 6-855 Diesel 1995-2000, 9380QT Cummins 6-855 Diesel 1995-2000, 9390 Cummins 6-855 Diesel 1995-2000.

NOTE Bosch Alternator for AGCO Allis, AGCO White, Case Farm Tractors, Caterpillar Farm Tractors, Champion Graders, Cummins Engines, Ford / New Holland Tractors, John Deere Skidders, Massey Ferguson Combines and Volvo Heavy Duty Trucks. For 200 Amp. Version of this Unit use 12715, in a Slightly Larger Diameter Case.

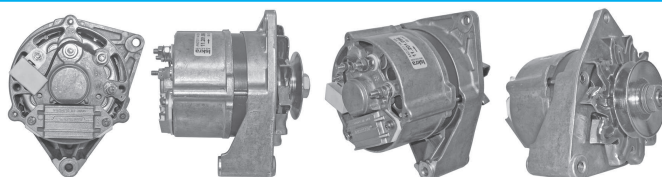


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A12714	12	150	-	I / R	-

REPLACE Bosch: 0-124-615-041; Case: 87452821;
Pic Book: 220-5696; Lester: 12714.

APPLICATIONS Case Farm Tractors: MX210, MX230 2002.

NOTE Bosch Alternator for Case, New Holland Applications.



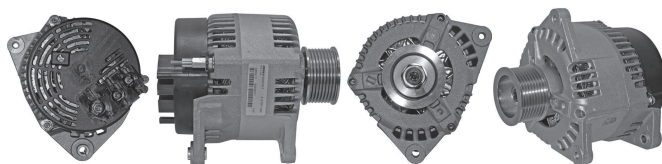
PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A14949	12	33	-	I / R	1-V

REPLACE Bosch: 0-120-339-514, 0-120-339-531;
Bosch Reman.: AL905X; Iskra: IA0096, 11-201-096, AAG1311;
Lucas Electrical: LRA584; Case: 3218239EX, 3218239R91;
Deutz: 1171617; International: 3218239-R91; Fendt: X830060011;
Pic Book: 220-188, 282-156 (Iskra); Lester: 14949.

APPLICATIONS Case Farm Tractors: 531 D-310 Diesel 1986, 644 D-206 Diesel 1986, 844 4-267 Diesel 1986-1992.

NOTE Bosch Alternator for Allis Chalmers, Case Tractors, IHC Combines, KHD Tractors. This is the Internally Regulated Version of the 14948.

LUCAS-MARELLI ALTERNATORS FOR CASE APPLICATIONS



PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A21817	12	115	-	I / R	8-Groove

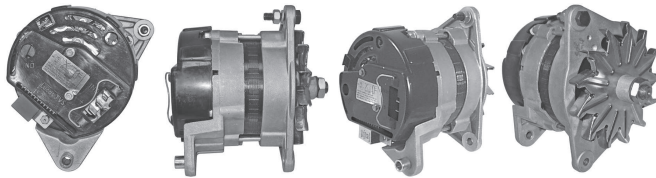
REPLACE Lucas Electrical: LRA2861; Marelli: 633 217 43, 633 218 17; Ford: 1C1T-10300-BB; New Holland: 82020011;
Pic Book: 202-145; Lester: 12740.

APPLICATIONS Case Farm Tractors: MXU100 4-274 Diesel 2004, MXU110 4-274 Diesel 2004, MXU115 6-411 Diesel 2003-2006, MXU115 Value 2005, MXU125 6-411 Diesel 2003, MXU135 6-411 Diesel 2003.

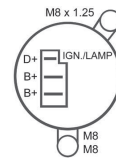
NOTE Marelli A115iM Type Alternator for Case and New Holland Applications. 8 Groove Conventional Pulley.



LUCAS ALTERNATORS FOR CASE APPLICATIONS



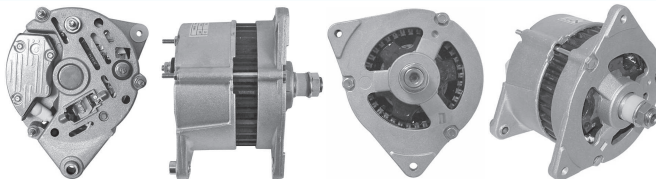
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A103	12	36-43	-	I/R	1-V Solid



REPLACE Lucas: 23554, 90, 93, 95, 97, 98, 99; 23620, 43; 23713, 15, 16, 17, 18, 34, 45, 47, 48, 50, 69, 74, 95, 96, 97; 23802, 04, 05, 43, 44, 45, 47, 50, 51, 89; 23962; Lucas Reman.: A1611, A1715; Lucas Electrical: LRA100, LRA106; Lucas TVS: 26021193; Bosch Reman.: AL298X; Iskra Sales: IA0067, IA0301, IA0505; Motorcraft: GLE-96, GLE-96A, GLE-96B; Valeo Short: VA100; Pic Book: 280-102; Lester: 14029.

APPLICATIONS Case David Brown: 1210 / 1210 Syncromesh 4-219 Diesel 1971-1976, 1212 4-219 Diesel 1971-1976, 1410 4-219 Diesel 1974-1976, 1412 4-219 Diesel 1974-1976, 775 1972-1976, 885 / 885G 3-154 Diesel 1971-1976, 885 / 885G 3-164 Diesel 1971-1976, 990 4-186 Diesel 1971-1976, 995 4-219 Diesel 1971-1976, 996 4-219 Diesel 1971-1976, 80CK, 1190 3-165 Diesel 1980-1983, 1194 3-165 Diesel 1983-1984, 1290 4-195 Diesel 1980-1983, 1390 4-219 Diesel 1980-1983, 1394 4-219 Diesel 1983-1988, 1410 4-219 Diesel 1976-1980, 1490 4-219 Diesel 1980-1983; Trenchers: 550 1973-1980, Maxi-Sneaker 1.8L Leyland Diesel 1976-1987.

NOTE Lucas 16 / 17ACR Type Alternator for Case, Leyland Nuffield Farm Tractors and Massey Ferguson. This Looks Like the 14013, Except the Middle Spade of the 3-Prong Plug is the B+ Terminal. The Regulator Has 4 Wires - the Fourth for the Arm on the Rectifier. The 14013 Uses Both Large Terminals as B+, and Has a 3-Wire Regulator. This Unit is 36 Amp.; the 43 Amp. Version is the A103.



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A461	12	55-65	-	I/R	Various

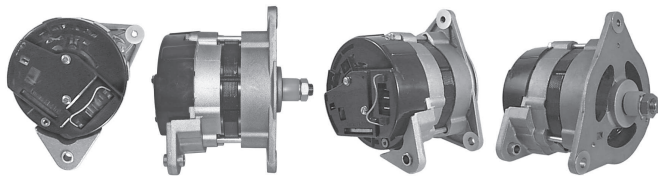
REPLACE Lucas: 24129, 24157, 24158, 24208, 24277, 24220; 54022053, 54, 96, 97A, 97B; 54022108, 09, 82, 91, 93; 54022211, 12, 18, 19, 26, 29, 42, 44, 55, 62, 63, 77, 80, 82, 95; 54022306, 53, 54; 54022426, 31, 38, 58, 83; 54022580; 54022616, 31; Lucas Reman.: A2514, A2517; Lucas Electrical: LRA460, LRA461; Bosch Reman.: AL5050X; Iskra Sales: IA0707, IA0728, IA0810; Marelli: 633 241 57; 633 242 20, 42, 45; 633 243 18; MAN 102, 118, 131, 161, 192, 665, 705, 750; Case: 92281C1, 92292C1, K311696, K311697, K311698; JCB: 714/12500, 714/12500R, 714/20400; Massey Ferguson: 1447312M91, 1693232M91, 1693233M91, 1897695M91, 1897695R91; Perkins: 2871A141, 2871A147, 2871A148, 2871A154, 2871A163; Prestolite: 66021136; Valeo: VA110, VA140; Pic Book: 280-306, -306A; 282-321 (Iskra); Lester: 12045, 12046.

APPLICATIONS Case Backhoe Loaders: 580G Construction King; Tractor Loaders: 380B D-179 Diesel 1981-1987; Farm Tractors: 1394 4-219 Diesel 1983-1988, 1494 4-219 Diesel 1983-1988, 1594 6-329 Diesel 1983-1988, 3220 3-179 Diesel 1994-1997, 3230 4-206 Diesel 1994-1997, 385 3-155 Case Diesel 1985-1990, 395 3-155 Case Diesel 1991-1993, 4210 4-239 Diesel 1994-1997, 4230 4-268 Diesel 1994-1997, 4240 4-268 Diesel 1994-1997, 485 3-179 Diesel 1985-1990, 495 3-179 Diesel 1991-1994, 585 4-206 Case Diesel 1985-1990, 595 4-206 Case Diesel 1991-1994, 685 4-239 Diesel 1985-1990, 695 4-239 Diesel 1991-1994, 885 4-268 Diesel 1985-1990, 895 4-268 Diesel 1991-1994, 995 4-268 Diesel 1991-1994; Wheel Tractor: 380CK D-179 Diesel 1973-1980.

NOTE Lucas A127 Type Alternator for Case, Ford, JCB, Massey Ferguson Tractors. 65 Amp. and 55 Amp. Versions.



LUCAS ALTERNATORS FOR CASE APPLICATIONS

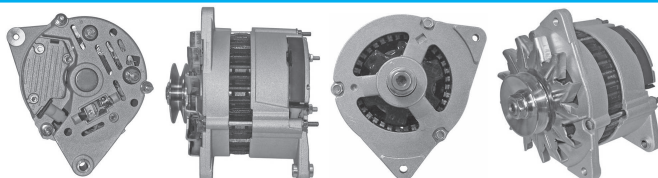


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A278	12	45	-	I/R	-

REPLACE Lucas: 23929, 24024, 28, 37, 65, 79, 99; 24167, 68, 82, 85; 540 218 31, 219 95, 219 98, 220 26, 220 82, 220 89, 221 35; Lucas Reman.: A1820, A1821, A1823; Lucas Electrical: LRA278, LRA356, LRA583; Iskra: IA0068, 11-201-068, AAK1114; Case: K306549, 3129851R91; Hyster: 3042363; JCB: 714/06800; International: 92293C1; Perkins: 2871A102, 2871A120, 2871A131; Pic Book: 280-303, 280-308, 282-510 (Iskra); Lester: 12040, 12041.

APPLICATIONS Case Loader: 380B D-179 Diesel 1981-1987; Farm Tractors: 385 3-155 Case Diesel 1985-1990, 395 3-155 Case Diesel 1991-1993, 485 3-179 Diesel 1985-1990, 495 3-179 Diesel 1991-1994, 585 4-206 Case Diesel 1985-1990, 595 4-206 Case Diesel 1991-1994, 685 4-239 Diesel 1985-1990, 695 4-239 Diesel 1991-1994, 885 4-268 Diesel 1985-1990, 895 4-268 Diesel 1991-1994, 995 4-268 Diesel 1991-1994; Wheel Tractor: 380CK D-179 Diesel 1973-1980.

NOTE Lucas A115 and ACR Type Alternator for Case Tractors and JCB Industrial. For 65 Amp. Use A461.



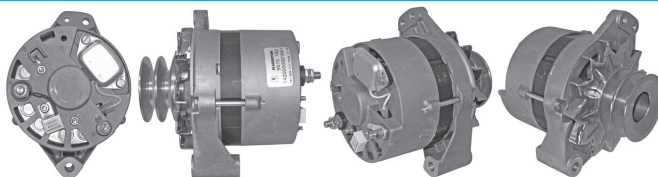
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A463	12	55	-	I/R	Various

REPLACE Lucas: 24145, 24161, 24198, 24200, 24221, 24260, 24260A; 540 220 59; 540 221 78, 86, 88; 540 222 14, 17, 27, 34D, 85, 91; 540 223 13; 540 226 35; NAB014, NAB406; Lucas Reman.: A2518, A2519, A2524; Lucas Electrical: LRA463, LRB122; Iskra: IA0587, 11-201-587, AAK4532; Marelli: 633 241 61, 633 242 21; MAN104, MAN119, MAN697; Case: 188590A1, 231295A1; Land Rover: ADU8858, AUU1036; Massey Ferguson: 1475-922-M91, 1475-923-M91; Perkins: 2871A142; Prestolite: 66021637; Valeo: VA309; Pic Book: 280-312, 280-312B; 282-394 (Iskra); Lester: 12072.

APPLICATIONS Case Farm Tractors: C100 4-244 Diesel 1998, C50 3-165 Diesel 1998, C60 3-165 Diesel 1998, C70 4-258 Diesel 1998-1999, C80 4-244 Diesel 1998-1999, C90 4-244 Diesel 1998-1999, CX100 4-244 Diesel 1998-1999, CX50 3-165 Diesel 1998, CX60 3-165 Diesel 1998, CX70 4-258 Diesel 1998-1999, CX80 4-244 Diesel 1998-1999, CX90 4-244 Diesel 1998-1999.

NOTE Lucas A127 Type Alternator for Case, Massey Ferguson Tractors. 65 / 55 Amp Versions. This Unit Can Replace Lester 12239 (24198, 54022196, 54022228, 54022246, LRA653, A2524) 45 Amp.

MAGNETON ALTERNATORS FOR CASE APPLICATIONS



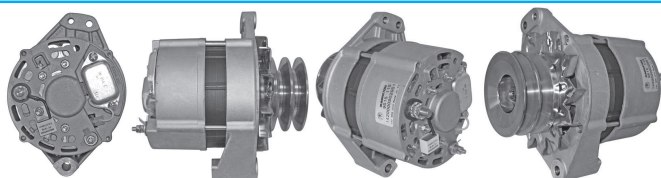
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A9515102	12	65	-	I/R	2-Groove

REPLACE Magneton: 9-515-102, 443-113-515-102; Case: 142-000-090-1651.

APPLICATIONS Case Farm Tractors with SISU 320 Diesel Engine: CS68, CS75, M968A, M975A.

NOTE Magneton Alternator for Case Farm Tractors with SISU 320 Diesel Engine and Valmet Tractors. Made in Czech Republic.

MAGNETON ALTERNATORS FOR CASE APPLICATIONS

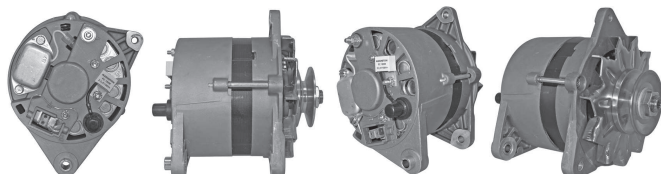


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A9515115	12	95	-	I/R	2-Groove

REPLACE Magneton: 9-515-115, 443-113-515-115;
Case: 142-000-090-2951.

APPLICATIONS Case Farm Tractors: F9105A 4.4L, F9115A 6.6L, F9125A 6.6L, F9145A 6.6L, FM9078A 4.4L, FM9086A 4.4L, F9094A 4.4L, FM968A 3.3L, FM975A 3.3L.

NOTE Magneton Alternator for Case Farm Tractors and SISU Diesel Engines. Made in Czech Republic.



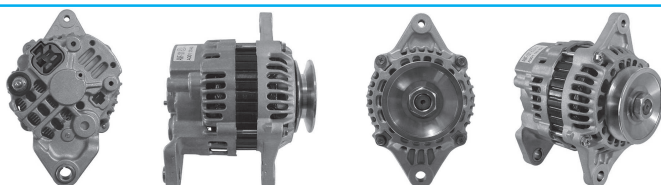
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A9515734	12	65	-	I/R	1-V

REPLACE Magneton: 9-515-734, 443-113-515-734; Lucas Electrical: LRA583; Iskra: IA0301, 11-201-301, AAK4135;
Case: 130-300-090-0651; Marelli: 9433 561 18; Valeo: 436271;
Pic Book: 282-321 (Iskra Replacement).

APPLICATIONS Case Farm Tractors with Perkins 903 2.7L Diesel Engine: C50, C60, CX50, CX60, 948, 958.

NOTE Magneton Alternator for Case Farm Tractors with Perkins 903 2.7L Engine, Landini and Massey Ferguson Farm Tractors. Made in Czech Republic.

MITSUBISHI ALTERNATORS FOR CASE APPLICATIONS



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12077N	12	40	L-IG	I/R	1-V Solid

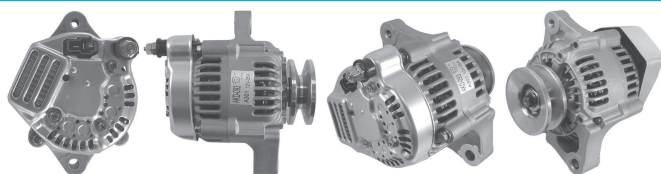


REPLACE Mitsubishi: A7T03877; Ford: SBA-18504-6320; Ishikawajima: 18504-6320; Lucas Electrical: LRA2179;
New Holland: SBA18504-6320; Perkins: 185046320; Pic Book: 203-167; Lester: 12077.

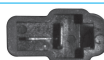
APPLICATIONS Case Farm Tractors: Farmall 31 3-91 Diesel 2008, 35 3-101 Diesel 2008; Case Compact Tractors: D35 Shibaura 1.7L 35HP Diesel 2004, D40 Shibaura 2.0L 35HP Diesel 2004, D45 Shibaura 2.2L 45HP Diesel 2004, DX29 Shibaura 1.3L 29HP Diesel 2004, DX31 Shibaura 1.5L 31HP Diesel 2006, DX33 Shibaura 1.5L 33HP Diesel 2004, DX34 Shibaura 1.7L 35HP Diesel 2006, DX35 Shibaura 1.7L 35HP Diesel 2004, DX40 Shibaura 2.0L 35HP Diesel 2004, DX45 Shibaura 2.2L 45HP Diesel 2004.

NOTE Mitsubishi Alternator for Case Compact Tractors with Shibaura Diesel Engines and Ford / New Holland Skid Steer Loaders with Ford and Shibaura Diesel Engines.

NIPPONDENSO ALTERNATORS FOR CASE APPLICATIONS



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12190N	12	30	IG-L	I/R	1-V



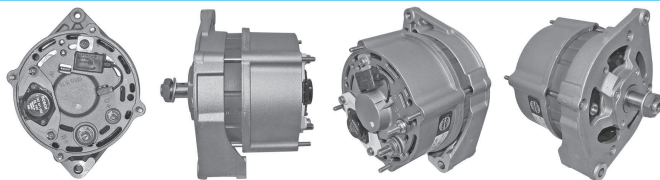
REPLACE Nippondenso: 100211-4520; Case: 125564A1; Lucas Electrical: LRA1560; Kubota: 16231-64010, 16231-64011, 16231-64012; Thermo King: 5D36221G01; Pic Book: 290-199; Lester: 12190.

APPLICATIONS CASE Trenchers: 460 Kubota V1505-B Diesel 1994-2001; Industrial Uni-Loaders: 1825B Kubota Engine 1997-1999.

NOTE Nippondenso Alternator for Kubota Industrial Equipment. 1-Groove Pulley 62 mm OD, 15 mm ID. "IG-L" T-Shaped Plug, Vertical B+ Terminal 6 mm x 1.0.



BOSCH ALTERNATORS FOR CATERPILLAR APPLICATIONS

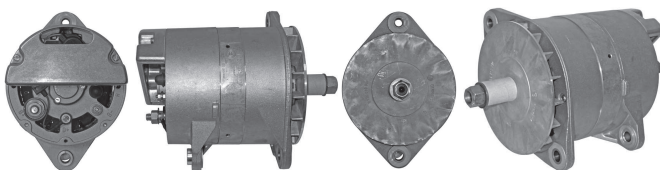


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A971	12	95	-	I / R	-

REPLACE Bosch: 0-120-484-011, -018, -026; 0-986-040-280;
Bosch Reman.: AL9971X; **Iskra:** IA0875, IA1348, 11-201-875,
11-203-268, AAK4307, AAK5165; **Lucas Electrical:** LRA2731;
Case: A187623; **Caterpillar:** 1052813, 9X0341; **Cummins:**
3282554; **John Deere:** AH137883, AT220394, RE36267, SE501342,
TY6750; **Pic Book:** 220-343, 282-240, -611 (Iskra); **Lester:** 12145.

APPLICATIONS CATERPILLAR Backhoe Loaders: 416B
Perkins 3054 1992-1996, 426B Perkins 3054 1992-1996, 428B
Perkins 3054 1992-1996, 436B Perkins 3054 1992-1996, 438B Cat.
3114 1992-1996, 438B Perkins 3054 1992-1996, 446B Cat. 3114
1994-1996.

NOTE Bosch Alternator for Case, Caterpillar, John Deere. Bosch
AL9942X is a Different Version, but will Interchange, for 120 Amp.
Version Use 9-120-060-042 (Lester 12372).



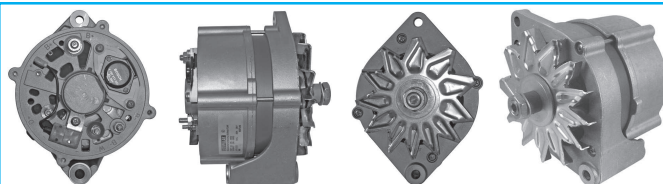
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12166	24	50	-	I / R	-

REPLACE Bosch: 0-122-469-002, 0-122-469-004;
Bosch Reman.: AL9934X; **Caterpillar:** 1005046, 3V8825, 9G9538;
John Deere: AT85458, TY6681; **Volvo:** 10039152;
Pic Book: 220-365; **Lester:** 12166.

APPLICATIONS CATERPILLAR Excavators: 215 1982-1984,
215B 1982-1992, 215C 1987-1992, 219 1987-1992, 219D 1987-1992,
225 Cat. 3208 1982-1986, 225B Cat. 3304 1986-1992, 225D Cat. 3304
1986-1992, 227 Cat. 3208 1986-1992, 229A Cat. 3304 1986-1992,
229D Cat. 3304 1986-1992, 235 Cat. 3306 1982-1986, 235B Cat. 3306
1986-1992, 235C Cat. 3306 1988-1992, 235D Cat. 3306 1988-1992,
245 Cat. 3406 1982-1988, 245B Cat. 3406 1989-1992, 245D Cat. 3406
1989-1992; Forestry Loaders: FB227 Cat. 3208 1983-1993; Graders:
120G Cat. 3304 1982-1995, 12G Cat. 3306 1982-1995, 130G Cat. 3304
1982-1995, 140G Cat. 3306 1982-1995, 140H Cat. 3306 1994-2000,
14G Cat. 3306 1982-1995, 16G Cat. 3406 1982-1995; Off-Road &
Mining Trucks: 768C Cat. 3408 1985-1993, 769C Cat. 3408 1982-1996,
771C Cat. 3408 1992-1993, 772B Cat. 3412 1982-1993, 773B Cat. 3412
1982-1996, 776B Cat. 3508 1984-1992, 776C Cat. 3508 1992-1993,
777B Cat. 3508 1984-1992, 777C Cat. 3508 1992-1993; Pipelayers:
583K D-342 Diesel 1982-1989, 589 Cat. 3408 1983-1992, 591 Cat.
3412 1983-1992; Scrapers: 621B Cat. 3406 1982-1986, 621E Cat.
3406 1986-1993; Tool Carriers: IT24B Cat. 3114 1994-1997; Track
Loaders: 941B Cat. 3304 1982-1983, 943 Cat. 3204 1982-1992, 953
Cat. 3204 1982-1992, 963 Cat. 3304 1982-1995, 963B Cat. 3306
1995-1996, 973 Cat. 3306 1982-1995, 977L Cat. 3306 1982; Track
Tractors: D10N Cat. 3412 1986-1993, D11N Cat. 3408 1986-1993,
D4H Cat. 3204 1985-1996, D4H Cat. 3304 1985-1994, D5 Cat. 3306
1982-1984, D5H Cat. 3304 1985-1996, D6C Cat. 3306 1982-1984,
D6D Cat. 3306 1982-1997, D6H Cat. 3306 1985-1995, D7G Cat. 3306
1985-1993, D7H Cat. 3306 1985-1993, D8L Cat. 3408 1982-1992, D8N
Cat. 3406 1986-1993, D9N Cat. 3408 1986-1995; Wheel Loaders:
926E Cat. 3204 1987-1993, 936 Cat. 3304 1983-1987, 936E Cat. 3304
1987-1992, 936F Cat. 3304 1992-1996, 938F Cat. 3116 1994-1997,
950E Cat. 3304 1987-1991, 950F Cat. 3116 1991-1996, 966C Cat. 3306
1982-1983, 966E Cat. 3306 1987-1990, 966F Cat. 3306 1990-1996,
980B Cat. 3306 1982-1984, 980C Cat. 3406 1982-1992; Wheel
Skidders: 508 Cat. 3204 1987-1989, 518 Cat. 3304 1982-1995, 528
Cat. 3306 1982-1995, 530B Cat. 3306 1992-1998.

NOTE Bosch Alternator for Caterpillar Excavators, Graders,
Mining Trucks, Pipelayers, Scrapers, Track Loaders, Wheel Skidders,
John Deere Crawlers, Excavators, Graders and Scrapers. Bosch
0-122-469-005 (Lester 12380) is the 70 Amp. Version of This Unit.
Delco 20SI Version is Lester 7297.

BOSCH ALTERNATORS FOR CATERPILLAR APPLICATIONS

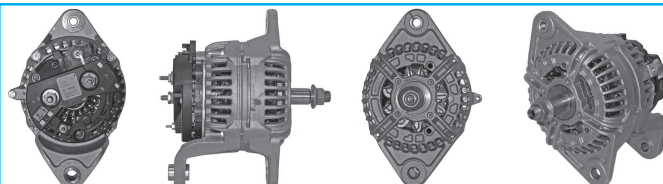


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A1104	24	55	-	I / R	-

REPLACE Bosch: 0-120-469-569, 0-120-469-643, 0-120-469-763, 0-120-469-807, 0-120-469-900, 0-120-469-959, 0-120-469-960;
Bosch Reman.: AL9938X; **Lucas Electrical:** LRB104;
Iskra: IS0801, IS9419, 11-201-801, 11-209-434, AAK1398, AAN3114;
Caterpillar: OR3652, 9W3043; **Scania:** 1117252, 257592, 354858, 357736, 371972, 410676, 571506; **Valeo Short:** NA312;
Prestolite: 858882; **Pic Book:** 220-368, 220-5161, 282-454, 282-653 (Iskra Replacement); **Lester:** 12167.

APPLICATIONS CATERPILLAR Excavators: 322 L Cat. 3116 1993-1996; Paving Equipment: AP800C Cat. 3054 1994, BG230 Cat. 3054 1995; Rollers: CP563 Cat. 3116 1992-1995, CS533 Cat. 3116 1993-1996, CS563C Cat. 3116 1993-1999, CS583 Cat. 3056 1993-1995, CS583C Cat. 3056 1994-1996, PS200B Cat. 3054 1995-1997; Tool Carriers: IT12B Cat. 3114 1989-1993, IT12F Cat. 3114 1993-1995, IT14B Cat. 3114 1989-1993, IT28F Cat. 3116 1993-1996; Wheel Loaders: 918F Cat. 3114 1992-1994, 924F Cat. 3114 1994-1999, 928F Cat. 3116 1993-1996, 928G Cat. 3056 1996-2003, 936E Cat. 3304 1987-1992, 936F Cat. 3304 1992-1996, 938F Cat. 3116 1994-1997, 950F Cat. 3116 1991-1996, 966C Cat. 3306 1982-1983, 966E Cat. 3306 1987-1990, 966F Cat. 3306 1990-1996, 980B Cat. 3306 1982-1984, 980F Cat. 3406 1991-1996, 988F Cat. 3408 1994-2000, 992D Cat. 3408 1993-1996; Marine Engines: Various Models 3114 1988-1997, Various Models 3116 1988-1997.

NOTE Bosch Alternator for Caterpillar Applications and Scania Buses. For Valeo Version Use A14N39.

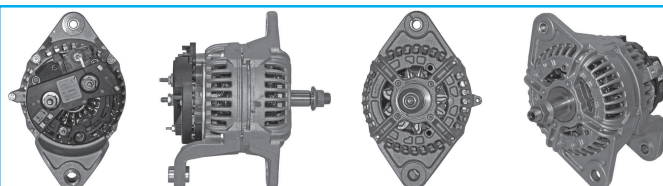


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A12490	12	160	-	I / R	-

REPLACE Bosch: 0-124-525-085; **Bosch Newman.:** AL9960LH; **Pic Book:** 220-5300; **Lester:** 12490.

APPLICATIONS CATERPILLAR Farm Tractors: 35 Challenger 3116 Engine 1994-2001, 45 Challenger 3116 Engine 1994-2001, 55 Challenger 3126 Engine 1996-2001, 65 Challenger 3176 Engine 1998-2001, 75 Challenger 3176 Engine 1990-2001, 85 Challenger 3176 Engine 1993-1996, 85 Challenger 3196 Engine 1997-2001, 95 Challenger 3196 Engine 1997-2001.

NOTE Bosch Alternator for AGCO Allis, AGCO White, Case Farm Tractors, Caterpillar Farm Tractors, Champion Graders, Cummins Engines, Ford / New Holland Tractors, John Deere Skidders, Massey Ferguson Combines and Volvo Heavy Duty Trucks. For 200 Amp. Version of this Unit use A12715, in a Slightly Larger Diameter Case.



PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A12715	12	200	-	I / R	-

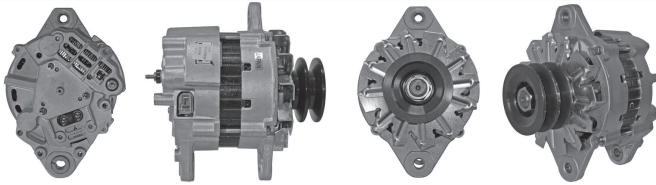
REPLACE Bosch: 0-124-625-044; **Bosch Newman.:** AL9963SB; **Pic Book:** 220-5300A; **Lester:** 12715.

APPLICATIONS CATERPILLAR Farm Tractors: 35 Challenger 3116 Engine 1994-2001, 45 Challenger 3116 Engine 1994-2001, 55 Challenger 3126 Engine 1996-2001, 65 Challenger 3176 Engine 1998-2001, 75 Challenger 3176 Engine 1990-2001, 85 Challenger 3176 Engine 1993-1996, 85 Challenger 3196 Engine 1997-2001, 95 Challenger 3196 Engine 1997-2001.

NOTE Bosch Alternator for AGCO Allis, AGCO White, Case Farm Tractors, Caterpillar Farm Tractors, Champion Graders, Cummins Engines, Ford / New Holland Tractors, John Deere Skidders, Massey Ferguson Combines and Volvo Heavy Duty Trucks. This is a 200 Amp. Version of the A12490, in a Slightly Larger Diameter Case.



MITSUBISHI ALTERNATORS FOR CATERPILLAR APPLICATIONS



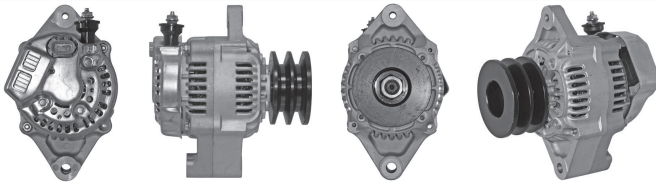
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12316N	24	50	-	I / R	2-V

REPLACE Mitsubishi: A4T66786, ME150143;
Pic Book: 203-282; **Lester:** 12316.

APPLICATIONS Caterpillar 320 Excavator.

NOTE This is a Mitsubishi Alternator for Caterpillar 320 Excavator.
24V, 2-Groove Pulley.

NIPPONDENSO ALTERNATORS FOR CATERPILLAR APPLICATIONS

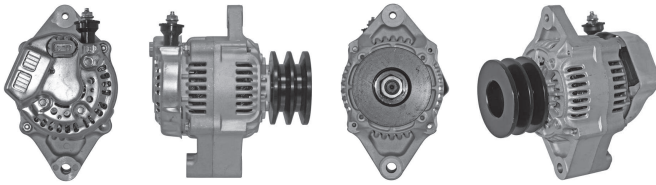


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12192N	12	90	P-IG-L	I / R	2-V

REPLACE Nippondenso: 101211-9010, 101211-9020;
Nippondenso Reman.: 9761219-901, 9761219-902; **Caterpillar:**
OR-9274, 105-2813, 105-2814; **Prestolite:** 20130227;
Pic Book: 290-434; **Lester:** 12192.

APPLICATIONS CATERPILLAR Backhoe Loaders: 416C
Perkins 3054 1996, 426C Perkins 3054 1996, 436C Perkins 3054
1996; Track Loaders: 931C Cat. 3046 1990-1994, 935C Cat. 3046
1987-1994, 939 Cat. 3046 1993-1997, 939C Cat. 3046 1997-2003,
D3C Cat. 3204 1990-1999; Track Tractors: D4C Cat. 3204 1990-1993,
D5C Cat. 3046 1991-1996; Wheel Loaders 908 Cat. 3054 1998-2003.

NOTE Nippondenso Alternator for Caterpillar Applications.
2-Groove Pulley.



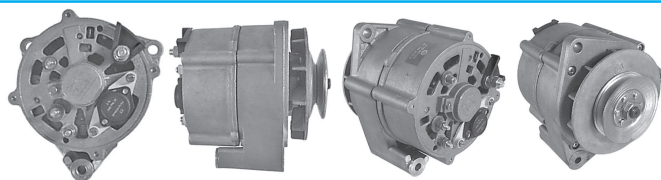
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12346N	12	55	P-IG-L	I / R	2-V

REPLACE Nippondenso: 101211-2240, 101211-2310;
Nippondenso Reman.: 9761219-224, 9761219-231; **Caterpillar:**
105-2811, 105-2812, OR4327; **Pic Book:** 290-414; **Lester:** 12346.

APPLICATIONS CATERPILLAR Backhoe Loaders: 416C
Perkins 3054 1996, 426C Perkins 3054 1996, 436C Perkins 3054
1996; Track Tractors: D4C Perkins Engines 1993-1995; Wheel
Loaders: 908 Cat. 3054 1998-2003.

NOTE Nippondenso Alternator for Caterpillar Applications.
2-Groove Pulley 76 mm OD, "P-IG-L" Plug.

BOSCH ALTERNATORS FOR CLAAS APPLICATIONS

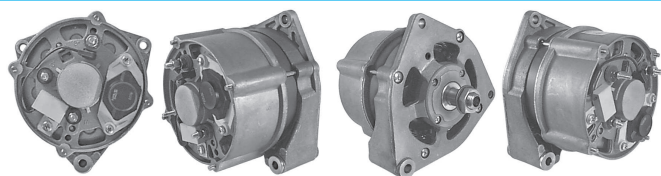


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A1100	12	90	-	I/R	1-V Solid

REPLACE Bosch: 0-120-469-013, 0-120-469-526, 0-120-469-687, 0-120-469-895; **Bosch Reman.:** AL924X; **Lucas Electrical:** LRA01251, LRA01657; **Claas:** 685-690-0; **MWM Diesel:** 6-226-2-071-001-4; **Mercedes Benz:** 005-154-32-02, 007-154-26-02, 366-150-18-50; **Pic Book:** 220-372, 220-372A; **Lester:** 13198, 12160.

APPLICATIONS CLAAS Choppers with Mercedes Engines: Jaguar 675 MB OM360 1985-1993, Jaguar 680 MB OM421 1975-1987, Jaguar 685SL MB OM421A 1987-1993; Combines: Dominator 106 MB OM360 1980-1993, Dominator 106 MB OM401 1980-1993, Dominator 116 MB OM401 1980-1993.

NOTE Bosch Alternator for Claas Choppers / Combines, Massey Ferguson Combines, Mercedes Trucks.



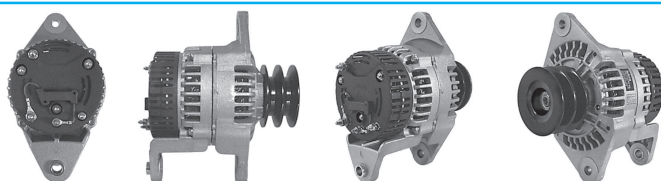
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A14390	12	65	-	I/R	-

REPLACE Bosch: 0-120-489-022, 0-120-489-506, 0-120-489-710; **Bosch Reman.:** AL911X; **Lucas Electrical:** LRA01217; **Bomag:** 057-109-16; **Case:** 3218544EX, R91; **Claas:** 685-498-0; **Fendt:** X830-060-020; **Hako:** 90-21594-8; **Hyster:** 3046662; **Iskra:** IA0499, 11-201-499, AAK3574; **IHC:** 3136412R92, 3218544R91; **KHD:** 116-3752, 116-1638; **Liebherr:** 610-70-10; **Marelli:** 943356766, MAR875; **MAN:** 51-26101-7151; **Mercedes:** 003-154-62-02, 004-154-26-26, 006-154-16-02; **MWM Diesel:** 6-0571-01-0147, -0149; **Steyr:** 610-00-09-0072; **Volvo:** 6205473; **Pic Book:** 220-353; **Lester:** 14390.

APPLICATIONS CLAAS Combines: Dominator 3.9L (4.236) 1978-1985, Dominator 5.7L (OM352) 1978-1985, Dominator 6.1L (6.372) 1978-1985, Dominator (OM360) 1982.

NOTE Bosch Alternator for Claas Combines, Deutz-Fahr Tractors, Farymann Marine Engines, Fendt Tractors, Iveco Trucks, KHD Trucks, Mercedes Trucks, New Holland Tractors.

ISKRA ALTERNATORS FOR DAEWOO EXCAVATORS

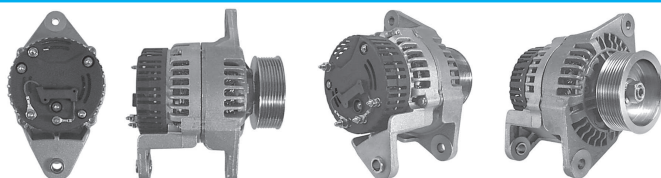


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A0761	24	50	-	I/R	2-Groove

REPLACE Iskra: IA0761, 11-203-570, 11-201-761, AAK5134, AAK5714; **Daewoo:** 2502-6008; **Pic Book:** 282-118; **Lester:** 12691.

APPLICATIONS DAEWOO Excavators: S280LC-III (D2366NA), S400LC-III (D2366T), S450-III (DE15T); Wheel Loaders: M300-III (D2366NA), M400-III (D2366T).

NOTE Iskra 24V Alternator for Daewoo Excavators.



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A0762	24	50	-	I/R	8-Groove

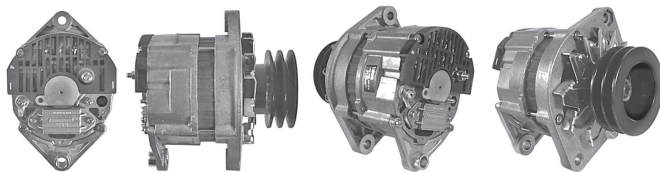
REPLACE Iskra: IA0762, 11-203-571, 11-201-762, AAK5135, AAK5715; **Daewoo:** 2502-6011; **Lucas Electrical:** LRA02498; **Pic Book:** 282-119; **Lester:** 12691.

APPLICATIONS DAEWOO Excavators: S130W-V (DB58), S220LC-V (DB58T), S290LC-V (D1146TI).

NOTE Iskra 24V Alternator for Daewoo Excavators.



BOSCH ALTERNATORS FOR FIAT / AGCO ALLIS TRACTORS

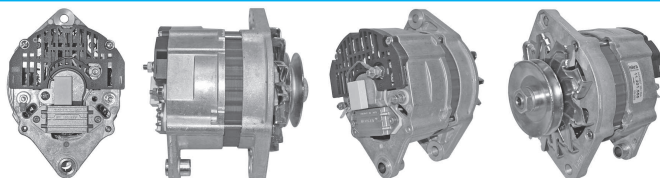


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A12048	12	65	-	I / R	2-V Groove

REPLACE Bosch: 0-120-489-152, 0-120-489-153, 0-120-489-212, 0-120-489-219, 0-120-489-338; Bosch Reman.: AL925X; Iskra: IA0329, 11.201.329, AAK4155; Lucas Electrical: LRA1352; Marelli: 633 052 46, 633 055 66, 633 058 32, 633 072 46, 633 075 66, 633 078 32, 633 200 15, 633 210 19; MAN274; Fiat: 4765931, 4765933, 4765934, 4787668, 4787671, 4808506; Iveco: 4798447; Magirus-Deutz: 010-8447; Same: 294392500; Pic Book: 220-202, 282-152 (Iskra Replacement); Lester: 12048.

APPLICATIONS AGCO ALLIS Tractors: 8610 6-366 Same Diesel 1991-1997, 8630 6-366 Same Diesel 1991-1997; AGCO WHITE Tractors: 6105 Lamborghini 1000.6W Diesel 1992-1997; FIAT-HESSTON Tractors: 100.90 8065 (5.4L) Diesel 1988, 110.90 8065 (5.9L) Diesel 1988, 115.90 8065 (5.9L) Diesel 1988-1991, 130.90 8065 (5.9L) Diesel 1988-1991, 140.90 8065 (5.9L) Diesel 1988, 160.90 8365 (8.1L) Diesel 1988, 180.90 8365 (8.1L) Diesel 1988, 85.90 8045 (3.9L) Diesel 1991, 90.90 8055 (5.0L) Diesel 1988-1991, 95.55 8055 (5.0L) Diesel 1988-1991, F100 8065 (5.9L) Diesel 1990, F110 8065 (5.9L) Diesel 1990-1993, F120 8065 (5.9L) Diesel 1990, F130 8065 (5.9L) Diesel 1990, F140 8065 (5.9L) Diesel 1993.

NOTE Bosch Alternator for AGCO Allis Tractors, Iveco Trucks, Lamborghini Tractors, Same Tractors.



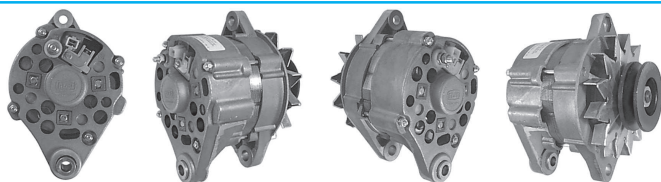
PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A12135	24	55	-	I / R	1-V Groove

REPLACE Bosch: 0-120-469-549, 0-120-469-634, 0-120-469-679, 0-120-469-890, 0-120-469-978; Iskra: IA0555, IA9423, 11-209-438, 11-201-555, AAK4507, AAN3118; Lucas Electrical: LRA938; Fiat: 4747193, 4757194, 4844266; Iveco: 107193, 98419031; KHD: 475-7192; Pic Book: 220-357, 282-152, 282-657 (Iskra Replacement); Lester: 12135.

APPLICATIONS FIAT-ALLIS Crawler Loaders: FL-5B 8045 Diesel 1988-1995, FL-7 8065 Diesel 1986-1993, FL-7B 8065 Diesel 1988-1995, FR-10B 8065 Diesel 1986-1990, FR-10C 8065 Diesel 1991-1993, FR-130 8065 Diesel 1986-1993, FR-15B 8365 Diesel 1986-1990, FR-160 8365 Diesel 1986-1993, FR-20B 8215 Diesel 1986-1990, FR-220 8465 Diesel 1986-1993, FR-9B 8045 Diesel 1988-1990, FR-9C 8045 Diesel 1991-1993; Crawlers: FD-30 8285 Diesel 1986-1993, FD-30C 8285 Diesel 1991-1993, FD-7 8065 Diesel 1986-1995, FD-9 8065 Diesel 1981-1995; Excavators: FH-400 8215 Diesel 1990-1993; Graders: 65B 8065 Diesel 1982-1995; Wheel Loaders: FR-10B 8065 Diesel 1985-1995, FR-11 8065 Diesel 1985-1995, FR-35 8285 Diesel 1986-1992, FR100 1994, FR130 1994, FR130.2 1998, FR160 1986, FR220 1997, FR70, FR90; FIAT-HITACHI Excavators: FH400 8215 (13.8L) Diesel 1989.

NOTE Bosch / Iskra Alternator for Fiat-Allis Crawlers.

MARELLI ALTERNATORS FOR FIAT-ALLIS TRACTORS

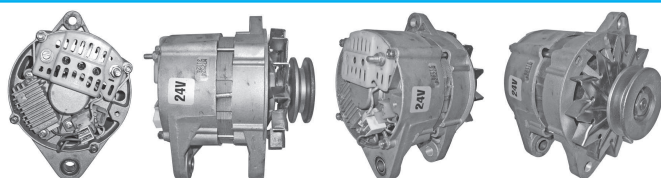


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A1002	24	26	-	E/R	1-V Groove

REPLACE **Marelli:** 633 040 00, 01, 20, 079, 081, 082, 087, 088, 090; 633 041 00, 20; 633 042 01; 633 048 07; 9433 040 87, 90; MAR230; **Fiat:** 4152610, 4220356, 4220357, 4474902; **Iskra:** IA0075, 11-201-075, AAK1209; **Lucas Electrical:** LRA837; **Pic Book:** 202-109, 282-170 (Iskra Replacement); **Lester:** 12027.

APPLICATIONS AIFO Engines - Industrial: CO 31 4.9L - 4940cc Diesel 1971-1981, CO 31 5.4L - 5410cc Diesel 1971-1981; FIAT-ALLIS Crawler Loaders: FL-9 CO3 Diesel 1979-1982; Crawlers: 10B CO3 Diesel 1970-1985, 10B CP3 Diesel 1973-1981, 14 8205 Diesel 1970-1975, 14B 8205 Diesel 1973-1981, 20 8215 Diesel 1971-1981, 5 CO3 Diesel 1970-1979, 7C CO3 Diesel 1972-1979, 8 CO3 Diesel 1970-1979, 9 CO3 Diesel 1970-1981, 9P CO3 Diesel 1970-1985, AD-10 / AD10B OM-CP3 Engine 1971-1978, AD-14FL OM-CO3 Engine 1973-1980, AD-5 OM-CN3 Engine 1969-1970, AD-7C OM-CO3 Engine 1970-1972, AD-8 OM-CO3 Engine 1970-1972, AD-9 OM-CP3 Engine 1971-1978, BD-9 OM-CP3 Engine 1971-1978; Excavators: S-60 8045 Diesel 1970-1980, S-60 CN3 Diesel 1970-1980; Wheel Loaders: FL-10 CP3 Diesel 1973-1981, FL-10B CO3 Diesel 1973-1981, FL-10B CP3 Diesel 1973-1981, FL-14 8205 Diesel 1970-1977, FL-14B 8205 Diesel 1973-1981, FL-14BF 8205 Diesel 1973-1984, FL-6 CO3 Diesel 1970-1977, FL-8C Diesel Engines 1975-1981, FL-9 Diesel Engines 1975-1985, FR-12 8065 Diesel 1970-1981, FR-12C 8065 Diesel 1970-1981, FR-8 CO3 Diesel 1970-1981, s FR-9 8041 Diesel 1970-1981.

NOTE Marelli A12M Type Alternator for Fiat-Allis Crawlers.



PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A1051	24	30	-	I/R	1-V Groove

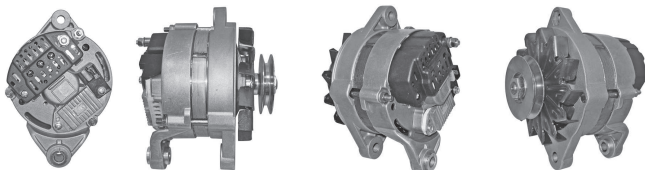
REPLACE **Marelli:** 63306000, 63306010, 63306020, 63306030, 63306040, 63306050, 63306060, 63306070, 63306079, 63306080, 63306089, 63306090, 63306099, 63306300, 63306301, 63306310, 63306320, 63306330, 63306340, 63306350, 63306360, 63306369, 63306370, 63306379, 63306380, 63306389, 63306390, 63306399, 63308300, 63308330, 63308350, 63308360, 63308370, 63308380, 63308389, 63321045, AA125/28V/30A, AA125R/28V/30A, MAR287; **Fiat:** 4717870, 4738563, 4738567, 4738568, 4738569, 4738570, 4738571, 4738572, 4786916, 4786918, 4786919, 4786920, 4808519, 5990966; **Iskra:** IA0055, 11-201-055, AAK1110; **Lucas Electrical:** LRA839; **Pic Book:** 202-110, 282-164 (Iskra); **Lester:** 12026.

APPLICATIONS FIAT-ALLIS Crawler Loaders: FL-10E 8065 Diesel 1988-1995, FL-20 8205 Diesel 1972-1980, FL-9 CO3 Diesel 1979-1982; Crawlers: 10C 8365 Diesel 1978-1993, 10CL 8365 Diesel 1979-1981, 10CTA 8365 Diesel 1979-1981, 14C 8205 Diesel 1977-1982, 14CL 8205 Diesel 1978-1981, 14CTA 8205 Diesel 1978-1981, 545B 8061 Diesel 1971-1982, 645B 8361 Diesel 1971-1982, 7D CO3 Diesel 1980-1983, 8B CO3 Diesel 1979-1982, 8BTA CO3 Diesel 1979-1985, FD-20 8215 Diesel 1981-1985; Excavators: S-105B CP3 Diesel 1970-1977, S-11 CP3 Diesel 1976-1982, S-15 8205 Diesel 1970-1982, S-70 CO3 Diesel 1971-1978, S-9 CO3 Diesel 1976-1982, S-90 CO3 Diesel 1971-1978, S-90 CP3 Diesel 1971-1978, SL-11 CP3 Diesel 1976-1982, SL-9 CO3 Diesel 1976-1982, SR-9 CO3 Diesel 1976-1982; Graders: 65B 8065 Diesel 1979-1981, 65B 8345 Diesel 1979-1995; Tractor Scrapers: FS-11 8215 Diesel 1970-1982; Wheel Loaders: 545B 8061 Diesel 1982-1983, 645B 8361 Diesel 1981-1983, FL-10C 8365 Diesel 1978-1980, FL-14C 8205 Diesel 1977-1981, FL-20 8215 Diesel 1972-1980, FL-4L 8035 Diesel 1971-1984.

NOTE Marelli AA125 Type Alternator for Fiat-Allis Crawlers. A1012 is the Later Version of this Unit.



MARELLI ALTERNATORS FOR FIAT-ALLIS TRACTORS

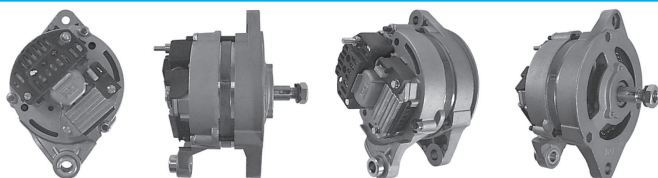


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A1012	24	30	-	I / R	1-V Groove

REPLACE **Marelli:** 633 044 20, 633 083 99, 633 200 25, 633 201 14; 633 210 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 63; 633 211 04; MAN261, MAR289; **Fiat:** 43370025, 4786913, 4808519, 4808521, 4808522, 4808523, 4808524, 4808525, 4808526, 4814684; **Iskra:** IA0055, 11-201-055, AAK1110; **Lucas Electrical:** LRA839; **Pic Book:** 202-111, 282-164 (Iskra Replacement); **Lester:** 12026.

APPLICATIONS FIAT-ALLIS Crawler Loaders: FR-7 8041 Diesel 1985-1988, FR-9 8051 Diesel 1982-1987; Crawlers: 10CL 8365 Diesel 1982-1986, 10CTA 8365 Diesel 1982-1986, S-90 8045 Diesel 1970-1982; Excavators: FE-12 8041 Diesel 1982-1989; Graders: 65B 8061 Diesel 1986-1995, FG-75 8365 Diesel 1986-1995, FG-85 8365 Diesel 1986-1995, FG-95 8365 Diesel 1986-1995; Farm Tractors: FA-200 8215 Diesel 1984-1990; Wheel Loaders: FL-20B 8205 Diesel 1986-1992, FR-15B 8365 Diesel 1985-1995, FR-20 8215 Diesel 1987-1991, FR-7 8041 Diesel 1983-1989, FR-7B 8041 Diesel 1989-1995.

NOTE Marelli A12MD Type Alternator for Fiat-Allis Crawlers. A1051 is the Early Version of this Unit.

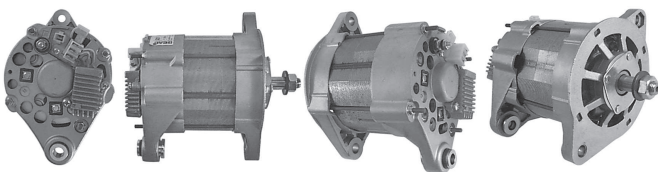


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A12002	24	55	-	I / R	2-V Groove

REPLACE **Marelli:** 633 201 00*, 633 211 54, 633 211 80*, MAN344; **Iskra:** IA0327, 11-201-327, AAK4153; **Lucas Electrical:** LRA910; **Same:** 29439320010; **Pic Book:** 202-116*, 202-116A, 282-148 (Iskra Replacement); **Lester:** 12026.

APPLICATIONS AGCO ALLIS Tractors: 4650 3-190 Same Diesel 1991-1997, 4660 3-190 Same Diesel 1991-1997, 5650 3-183 Same Diesel 1994-2000, 5660 3-183 Same Diesel 1994-2000, 5670 4-244 Same Diesel 1991-2000, 5680 4-244 Same Diesel 1991-1998, 6670 4-244 Same Diesel 1991-1998, 6680 4-244 Same Diesel 1991-1997, 6690 4-244 Same Diesel 1991-1997, 7600 5-317 Same Diesel 1991-1997, 7630 6-380 Same Diesel 1991-1996, 7650 6-380 Same Diesel 1991-1996; AGCO WHITE Tractors: 6045 Lamborghini 1000.3WT Diesel 1996-2000, 6065 Lamborghini 1000.4WT Diesel 1992-2000, 6085 Lamborghini 1000.4WT Diesel 1992-1997.

NOTE Marelli AA125R Type Alternator for AGCO Allis Tractors. *The 202-100B Has Both Ears on the Same Plane, While the 202-100B Top Ear is Moved Back about 3/8". The 633 211 54 Replaces the 633 201 00.



PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A12033	24	47	-	I / R	-

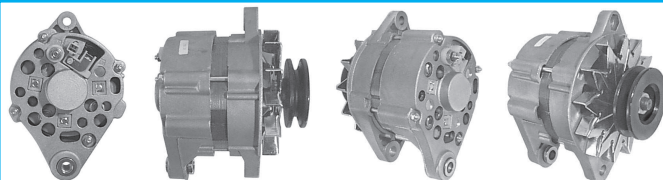
REPLACE **Marelli:** 63304500, 63304520, 63304560, 63304570, 63304580, MAR238; **Fiat:** 79014078; **Lucas Electrical:** LRA2773; **Lucas Reman.:** A0928; **Pic Book:** 202-130; **Lester:** 12033.

APPLICATIONS FIAT-ALLIS Crawler Loaders: FL-20 8215 Diesel 1986-1995, FL-7 8065 Diesel 1986-1993, FL-7B 8065 Diesel 1988-1995, FR-10B 8065 Diesel 1986-1990, FR-9B 8045 Diesel 1988-1990; Crawlers: 10B CO3 Diesel 1970-1985, 14C 8205 Diesel 1985-1989, 14C 8365 Diesel 1985-1995, 14CL 8205 Diesel 1982-1989, 14CL 8365 Diesel 1985-1989, 14CTA 8205 Diesel 1982-1984, FD-20 8215 Diesel 1986-1995, FD-30C 8285 Diesel 1991-1993, FD-7 8065 Diesel 1986-1995; Excavators: FH-400 8215 Diesel 1990-1993; Graders: FG-75 8365 Diesel 1986-1995, FG-85 8365 Diesel 1986-1995, FG-95 8365 Diesel 1986-1995; Wheel Loaders: FL-20 8215 Diesel 1986-1992, FR-10B 8065 Diesel 1985-1995, FR-9B 8041 Diesel 1988-1995.

NOTE Marelli AAD124 Type Alternator for Fiat-Allis Crawlers with Marelli Diesel Engines.



MARELLI ALTERNATORS FOR FIAT-OLIVER TRACTORS



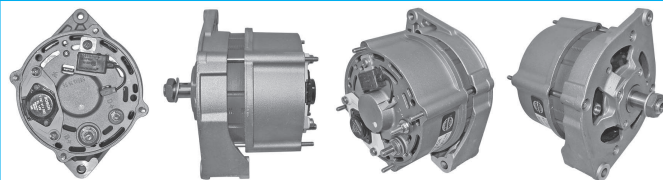
PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A13075	12	42	-	E/R	1-V Groove

REPLACE Marelli: 63302900, 63303100, 63303130, 63303140, 63303150, 63303191, 63303280, 63304800, 63304830, 63304840, 63304870, 63304880, MAR243; **Bosch Reman.:** AL104X; **Iskra:** IA0112, IA0336, IA9430 11-201-112, 11-209-443, AAK1135, AAK3197; **Lucas Reman.:** A6558; **Lucas Electrical:** LRA137; **Fiat:** 4152101, 4152612, 4222697, 4242730, 4263584, 4263983, 4474904, 4475036; **Pic Book:** 202-103, 282-154 (Iskra Replacement); **Lester:** 13075.

APPLICATIONS AIFO Industrial Engines: 8031 2.8L - 2750cc Diesel 1979-1983, 8035 2.6L - 2591cc Diesel 1973-1983, 8045 3.5L - 3450cc Diesel 1973-1981, 8065 5.2L - 5190cc Diesel 1973-1981, CO 31 4.9L - 4940cc Diesel 1971-1981, CO 31 5.4L - 5410cc Diesel 1971-1981; OLIVER Tractors: 1465 278 Diesel Engine 1973-1975, 1470 278 Diesel Engine 1976-1980.

NOTE Marelli A12M Type Alternator for Fiat-Allis, Iveco Trucks and White Tractors. The Bosch 0-120-489-838 is Internally Regulated Version of this Unit. 1-V Pulley 71 mm OD, 15 mm ID.

BOSCH ALTERNATORS FOR FORD / NEW HOLLAND TRACTORS

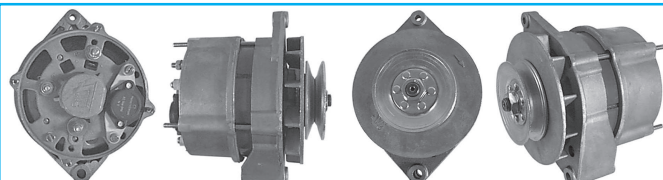


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A971	12	95	-	I/R	-

REPLACE Bosch: 0-120-484-011, -018, -026; 0-986-040-280; **Bosch Reman.:** AL9971X; **Iskra:** IA0875, IA1348, 11-201-875, 11-203-268, AAK4307, AAK5165; **Lucas Electrical:** LRA2731; **Case:** A187623; **Caterpillar:** 1052813, 9X0341; **Cummins:** 3282554; **John Deere:** AH137883, AT220394, RE36267, SE501342, TY6750; **Pic Book:** 220-343, 282-240, -611 (Iskra); **Lester:** 12145.

APPLICATIONS New Holland Crawler Dozers: D75 4.5L 4cyl 80HP Diesel 2006, D85 4.5L 4cyl 89HP Diesel 2006, D95 6.7L 6cyl 99HP Diesel 2006, DC75 2004, DC85 2004, DC95 2004

NOTE Bosch Alternator for Case, John Deere, New Holland. Bosch AL9942X is a Different Version, but will Interchange, for 120 Amp. Version Use 9-120-060-042 (Lester 12372).



PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A1057	12	65	-	I/R	1-V Solid



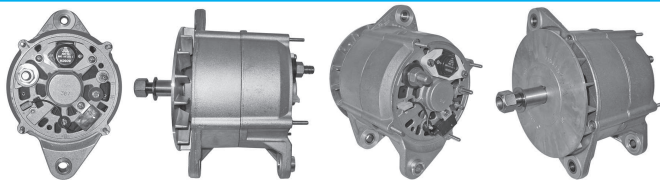
REPLACE Bosch: 0-120-488-205, 0-120-488-293, 0-120-489-475; **Bosch Reman.:** AL9959X; **Magnetron:** 9515-170; **Case:** A186125, A187873; **Caterpillar:** 3E7285; **Cummins:** 3604448RX, 3920679, 3675270NW; **John Deere:** AT173624; **Thermo King:** 44-8499, 6779713; **Iskra:** IA0595, 11.201.595, AAK1363; **Pic Book:** 220-200, 220-345* (8-Groove Pulley), 282-190 (Iskra Replacement); **Lester:** 12146, 12161*.

APPLICATIONS New Holland Crawler Dosers: D75 4.5L 4Cyl. 80HP Diesel, D85 4.5L 4Cyl. 89HP Diesel, D95 6.7L 4Cyl. 99HP Diesel 2006, DC75, DC85, DC95 2004.

NOTE Bosch or Magnetron Alternator for Atlas Copco, Case, Cummins, Ingersoll Rand, Thermo King. Bosch Replacement for Delco 10SI Unit. 12146 is Superseded by the 12161.



BOSCH ALTERNATORS FOR FORD / NEW HOLLAND TRACTORS

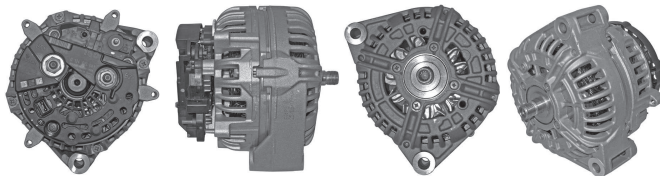


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12149	24	65	-	I / R	-

REPLACE Bosch: 0-120-468-054, 0-986-043-507;
Bosch Reman.: AL9946X; **Cummins:** 3923624; **International:**
 1964860A1, 1964860C1; **Pic Book:** 220-367; **Lester:** 12149.

APPLICATIONS New Holland Wheel Loaders: W130B 2007,
 W170B 2006, W190B 2006.

NOTE Bosch Alternator for Case Excavators / Wheel Loaders,
 Cummins Diesel and New Holland Wheel Loaders. For 80 Amp.
 Version Use 0-120-468-136 (Lester 12157).

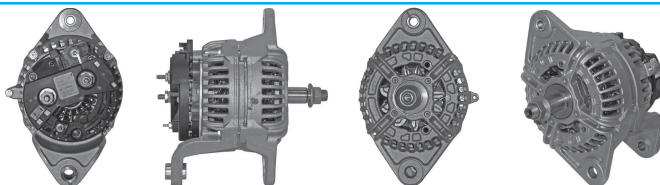


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12714	12	150	-	I / R	-

REPLACE Bosch: 0-124-615-041; **Case:** 87452821;
Pic Book: 220-5696; **Lester:** 12714.

APPLICATIONS New Holland Farm Tractors: TG210 New
 Holland 8.3L Diesel 2002, TG230 New Holland 8.3L Diesel, TG255
 New Holland 8.3L Diesel, TG285 New Holland 8.3L Diesel 2002.

NOTE Bosch Alternator for Case, New Holland Applications.



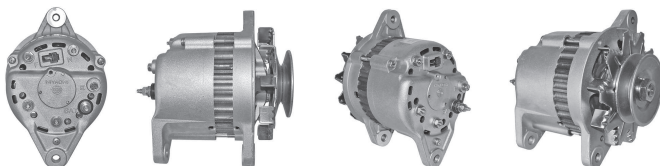
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12490	12	160	-	I / R	-

REPLACE Bosch: 0-124-525-085; **Bosch Newman.:** AL9960LH;
Pic Book: 220-5300; **Lester:** 12490.

APPLICATIONS FORD Farm Tractors: 8670 6-456 Diesel
 1993-1998, 8770 6-456 Diesel 1993-1998, 8870 6-456 Diesel 1993-1998,
 8970 6-456 Diesel 1993-1998, 9280 6-611 Diesel 1994-1996, 9480
 6-855 Diesel 1994-1996, 9680 6-855 Diesel 1994-1996, 9880 6-855
 Diesel 1994-1996; NEW HOLLAND Combines: TX66 Ford 6-456
 Diesel 1994-1997, TX68 Ford 6-576 Diesel 1995-1997; Tractors: 9280
 Cummins LT-10A 1994-1997, 9282 Cummins 6CTA 1996-1998, 9480
 Cummins NTA-855 1994-1997, Cummins M11 1996-1998, 9680
 Cummins NTA-855 1994-1997, 9682 Cummins N14 1996-1998, 9880
 Cummins NTA-855 1994-1997, 9882 Cummins N14 1996-1998.

NOTE Bosch Alternator for AGCO Allis, AGCO White, Case Farm
 Tractors, Caterpillar Farm Tractors, Champion Graders, Cummins
 Engines, Ford / New Holland Tractors, John Deere Skidders, Massey
 Ferguson Combines and Volvo Heavy Duty Trucks. For 200 Amp.
 Version of this Unit use 12715, in a Slightly Larger Diameter Case.

HITACHI ALTERNATORS FOR FORD / NEW HOLLAND TRACTORS



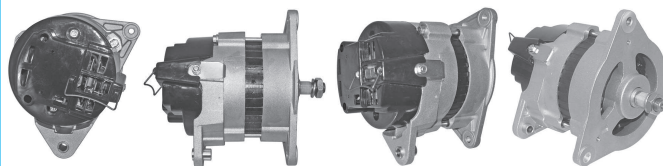
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12127N	12	35	-	E / R	1-V

REPLACE Hitachi: LT135-83B; **Ford:** SBA-18504-6150;
Ishikawajima: 18504-6150; **Pic Book:** 204-106; **Lester:** 12127.

APPLICATIONS Ford / New Holland Skid Steers: CL45 / CL55
 Shibaura Diesel 1983-1986; Tractors - Compact: 1500 2cyl Shibaura
 Diesel, 1700 2-78 Shibaura Diesel 1979-1982, 1900 3-87 Shibaura
 Diesel 1979-1983, 1910 / 2110 4-139 Shibaura Diesel 1983-1986;

NOTE Hitachi Alternator for Ford Farm Tractors with Shibaura
 Diesel. 1-V Pulley 74 mm OD, 15 mm ID.

LUCAS ALTERNATORS FOR FORD / NEW HOLLAND TRACTORS

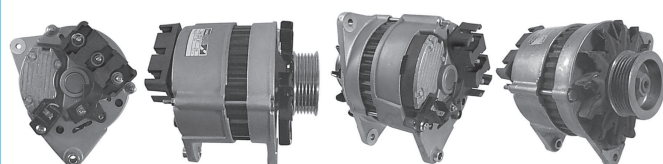


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A122	12	45	-	I / R	-

REPLACE Lucas: 23814, 24072, 24211, 24211A; Lucas Reman.: A1822; Lucas Electrical: LRA122; Ford: D5HN-11008-D; Iskra: IA0067, IA0505, 11-201-495, 11-201-505, AAK1341, AAK1345; Pic Book: 280-305, 280-311; Lester: 12152.

APPLICATIONS Ford Backhoes: 420 3-175 Diesel 1975-1978; Ford / New Holland Farm Tractors: 2600 3-158 Diesel 1975-1981, 2610 3-175 Diesel 1981-1983, 2810 3-158 Diesel 1984-1990, 2910 3-175 Diesel 1983-1990, 3600 3-175 Diesel 1975-1981, 3610 3-192 Diesel 1981-1983, 3900 3-192 Diesel 1975-1981, 3910 3-192 Diesel 1983-1990, 4100 3-183 Diesel 1975-1981, 4110 3-201 Diesel 1981-1990, 4600 3-201 Diesel 1975-1981, 4610 3-201 Diesel 1981-1990, 5600 4-256 Diesel 1975-1981, 6600 4-256 Diesel 1975-1981, 6610 4-268 Diesel 1982-1985, 6700 4-256 Diesel 1975-1981, 6710 4-256 Diesel 1982-1985, 7600 4-256 Diesel 1975-1981, 7700 4-256 Diesel 1975-1981, 8600 6-401 Diesel 1972-1976, 9600 6-401 Diesel 1972-1976; New Holland Utility Tractors 3Cyl. Gas or Diesel: 230A 1981-1983, 231 1975-1981, 233 1975-1981, 234 1975-1983, 333 1975-1981, 334 1982-1983, 335 1975-1984, 420 1975-1978; 3Cyl. Diesel: 515 1975-1978, 530A 1981-1983, 531 1975-1981, 532 1975-1978, 535 1975-1978; Ford 515 Industrial Tractor 3-201 Diesel 1975-1978.

NOTE Lucas A115 Type 45 Amp. Alternator for Ford / New Holland Tractors. This Unit Uses Various Pulleys, 15 mm ID, Regulator Thermistor Sensing.

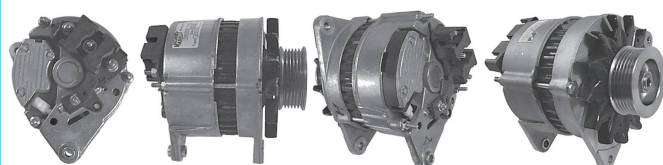


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A154	12	65	-	I / R	6-Groove

REPLACE Lucas: 24295, 25414, 25415, 54022397, 54022397A; Lucas Reman.: A2535; Marelli: MAN154, 542 223 97, 633 242 95; Ford: F0NN-10B376-AA; Iskra: IA0481, 11-201-481, AAK1339; Pic Book: 280-321, 282-140 (Iskra Version); Lester: 12152.

APPLICATIONS Ford / New Holland Farm Tractors: 5640 4-268 Diesel 1992-1993, 6640 4-304 Diesel 1992-1993, 7740 4-304 Diesel 1992-1993, 7840 6-401 Diesel 1992-1993, 8160 6-456 Diesel 1996-1998, 8240 6-456 Diesel 1992-1993, 8260 6-456 Diesel 1996-1998, 8340 6-456 Diesel 1992-1993, 8360 6-456 Diesel 1996-1998, 8560 6-456 Diesel 1996-1998.

NOTE Lucas A127 Type Alternator for Ford / New Holland Tractors. 6-Groove Pulley 65 mm OD, 17 mm ID.



PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A218	12	70	-	I / R	6-Groove

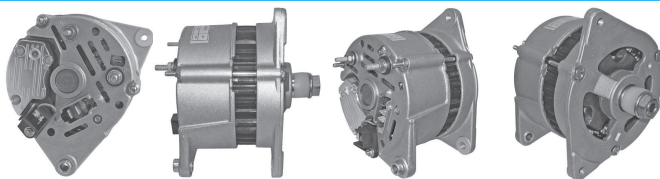
REPLACE Lucas: 24385, 54022626; Lucas Reman.: A2536; Marelli: MAN218, 633 243 85; Ford: F2NN-10B376-BA; Pic Book: 280-320; Lester: 12429.

APPLICATIONS Ford Farm Tractors: 5640SL 4-268 Diesel 1994-1997, 6640SL 4-304 Diesel 1994-1997, 7740SL 4-304 Diesel 1994-1997, 7840SL 6-401 Diesel 1994-1997, 8160 6-456 Diesel 1996-1998, 8240SL 6-456 Diesel 1994-1997, 8260 6-456 Diesel 1996-1998, 8340SL 6-456 Diesel 1994-1997, 8360 6-456 Diesel 1996-1998, 8560 6-456 Diesel 1996-1998.

NOTE Lucas A127 Type Alternator for New Holland Tractors. Similar to A154. This Unit Has 6-Groove Serpentine Pulley. 24384 (Lester 12093) is 45 Amp. Version of this Unit.



LUCAS ALTERNATORS FOR FORD / NEW HOLLAND TRACTORS

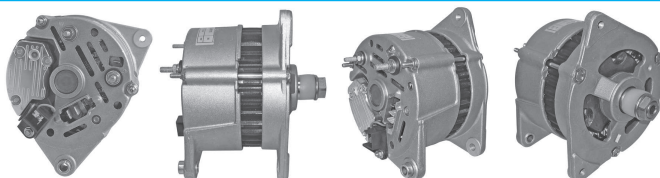


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A522	12	70	-	I/R	-

REPLACE Lucas: 24274, 24274D, 540 223 37D, 540 225 28; **Lucas Reman.:** A2534; **Lucas Electrical:** LRA522; **Marelli:** 633 242 74, MAN142; **Iskra:** IA0504, 11-201-504, AAK1344; **Ford:** E7NN-10B376-AA, -BB; **Massey Ferguson:** 3701-909-M91; **New Holland:** 81868798; **Pic Book:** 280-339; **Lester:** 12091.

APPLICATIONS Ford Industrial Backhoes: 455D 3-201 Diesel 1992-1997, 555C 4-256 Diesel 1989-1992, 555D 4-256 Diesel 1992-1997, 575D 4-256 Diesel 1992-1997, 655C 4-268 Diesel 1989-1992, 655D 4-268 Diesel 1992-1997, 675D 4-268 Diesel 1992-1997; Ford / New Holland Farm Tractors: 3230 3-192 Diesel 1990-1993, 3430 3-192 Diesel 1990-1998, 3930 3-201 Diesel 1990-1999, 4630 3-201 Diesel 1990-1999, 4830 3-201 Diesel 1990-1994, 5030 4-256 Diesel 1992-1998, 5110 1984-1991, 5610 4-256 Diesel 1986-1992, 6610 4-268 Diesel 1986-1992, 7610 4-268 Diesel 1987-1991, 7710 4-268 Diesel 1986-1987; Industrial Tractors: 345C 3cyl Diesel 1991-1992, 345D 3cyl Diesel 1992-2000, 445C 3-183 Diesel 1991-1992, 445D 3-183 Diesel 1992-2000, 545D 3cyl Diesel 1992-1998; New Holland Tractors: 6610 4-268 Ford Diesel 1987-1993.

NOTE Lucas A127 Type Alternator for Massey Ferguson, Ford / New Holland Farm Tractors. Should Interchange with A542336.

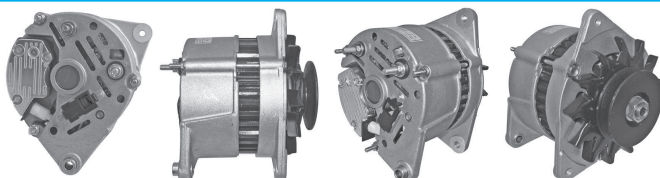


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A530	12	45	-	I/R	-

REPLACE Lucas: 24246, 24246B, 24256, 24256A/D, 54022292, 54022308, 54022310E; **Lucas Reman.:** A2522; **Marelli:** MAN218, 633 243 85; **Lucas Electrical:** LRA530; **Iskra:** IA0505, 11-201-505, AAK1345; **Ford:** E3NN-10B376-AB, E3NN-10B376-AC, -AD; **New Holland:** 81863039, 83961474; **Pic Book:** 280-307, 280-307A, 282-138 (Iskra); **Lester:** 12089.

APPLICATIONS Ford Industrial Backhoes: 455 3cyl Diesel 1987-1988; Ford / New Holland Farm Tractors: 2600 3-158 Diesel 1975-1981, 2610 3-175 Diesel 1981-1983, 2810 3-158 Diesel 1984-1990, 2910 3-175 Diesel 1983-1990, 3600 3-175 Diesel 1975-1981, 3610 3-192 Diesel 1981-1983, 3900 3-192 Diesel 1975-1981, 3910 3-192 Diesel 1983-1990, 4100 3-183 Diesel 1975-1981, 4110 3-201 Diesel 1981-1990, 4600 3-201 Diesel 1975-1981, 4610 3-201 Diesel 1981-1990, 5610 4-256 Diesel 1986-1992, 6610 4-268 Diesel 1986-1992, 7610 4-268 Diesel 1987-1991, 7710 4-268 Diesel 1986-1987; Industrial Tractors: 231 3-158 Diesel 1975-1981, 233 3-158 Diesel 1975-1977, 333 3-175 Diesel 1975-1977, 531 3-201 Diesel 1975-1981; New Holland Skid Steer Loaders: L781 Ford 201 Diesel 1984-1993, L783 Ford 201 Diesel 1988-1995, L785 Ford 201 Diesel 1984-1994.

NOTE Lucas A127 Type Alternator for Ford Farm Tractors. For 70 Amp. Version Use A522.



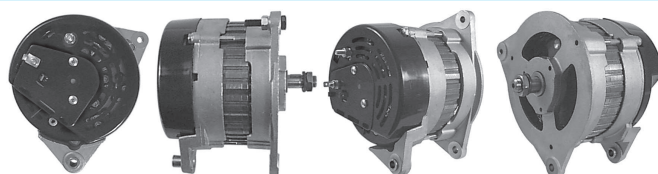
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A755	12	70	-	I/R	1-V

REPLACE Lucas: 24400, 24400A, 54022530, 54022531, 54022560, 54022561, 54022579, 54022682; **Lucas Electrical:** LRA1669; **Marelli:** 633 244 00, MAN755; **Land Rover:** YLE10065; **Massey Ferguson:** 3701-911-M91, 3701-913-M91, 3714-922-M, 3714-944-M; **New Holland:** 87800219; **Prestolite:** 66021636; **Pic Book:** 280-327; **Lester:** 12096.

APPLICATIONS Ford Industrial Backhoes: 555E 4-268 Diesel 1996-1998, 575E 4-304 Diesel 1996-1998, 655E 4-304 Diesel 1996-1997, 675E 4-304 Diesel 1996-1998; New Holland Industrial Backhoe Loaders: LB110 2000, LB115 4WS 1998, LB115B 4WS 2000, LB75B 2001, LB90 2000, LB95 2000.

NOTE Lucas A127 Type Alternator for Ford / New Holland Backhoes and Massey Ferguson Tractors. Top Ear Unthreaded.

LUCAS ALTERNATORS FOR FORD / NEW HOLLAND TRACTORS

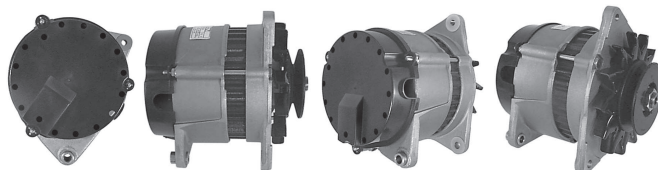


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A12047	12	80	-	I/R	-

REPLACE Lucas: 24186*, 24186D*, 24250, 24250B, 54022126, 54022299; **Lucas Electrical:** LRA1303; **Lucas Reman.:** A2520, A2523; **Pic Book:** 280-310, 280-330*; **Lester:** 12047.

APPLICATIONS Ford Farm Tractors: 7710 4-268 Diesel 1988-1991; New Holland Farm Tractors: 7710 4-268 Ford Diesel 1987-1990.

NOTE Lucas A133 Type Alternator for Ford / New Holland Farm Tractors. * 75 Amp. Version.

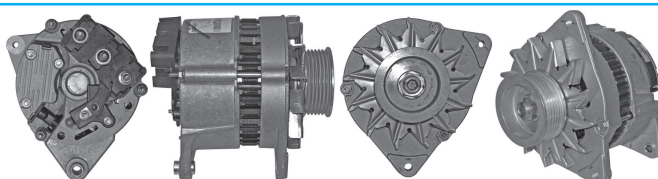


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A542336	12	55	-	I/R	1-V

REPLACE Lucas: 24273, 24273A, 54022336; **Lucas Reman.:** A2522; **Lucas Electrical:** LRA2690; **Bosch Reman.:** AL5050X; **Ford:** E7NN-10B376-AB, F0NN-10B376-BB, F1NN-10B376-AA; **New Holland:** 82002327, 82008639; **Iskra:** IA0504, 11-201-503, AAK1343; **Pic Book:** 280-309, 280-309A; **Lester:** 12090.

APPLICATIONS FORD / NEW HOLLAND Farm Tractors: 3230 3-192 Diesel 1990-1993, 3430 3-192 Diesel 1990-1998, 3930 3-201 Diesel 1990-1999, 4630 3-201 Diesel 1990-1999, 4830 3-201 Diesel 1990-1994, 5030 4-256 Diesel 1992-1998, 5110 1984-1991, 5640 4-268 Diesel 1992-1993, 6640 4-304 Diesel 1992-1993, 7740 4-304 Diesel 1992-1993, 7840 6-401 Diesel 1992-1993, 8240 6-456 Diesel 1992-1993, 8340 6-456 Diesel 1992-1993; Industrial Tractors: 250C 3cyl Diesel 1991-1994, 260C 3cyl Diesel 1991-1994, 345C 3cyl Diesel 1991-1992, 345D 3cyl Diesel 1992-1998, 445C 3-183 Diesel 1991-1992, 445D 3-183 Diesel 1992-1998, 545C 3cyl Diesel 1991-1992, 545D 3cyl Diesel 1992-1998; NEW HOLLAND Compact Tractors: TB100 4987cc NH Turbo Diesel 2003, TB110 4987cc NH Turbo Diesel 2003, TB120 7480cc NH Diesel 2003, TB80 4392cc NH Turbo Diesel 2003, TB85 4392cc NH Turbo Diesel 2003, TB90 4987cc NH Turbo Diesel 2003.

NOTE Lucas A127 Type Alternator for Ford Farm Tractors. Right Hand Fixing. Should Interchange with A522.

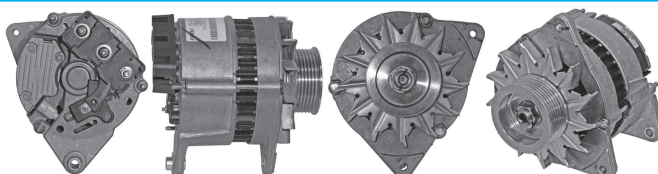


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A54022525	12	45	-	I/R	6-G Solid

REPLACE Lucas: 24384, 54022525; **Iskra Sales:** IA0480; **Marelli:** 633 243 84, MAN176; **Ford:** 2F2NN-10B376-CA; **New Holland:** 82001260R; **Pic Book:** 280-328; **Lester:** 12093.

APPLICATIONS Ford Farm Tractors (Diesel): 5640 (4-268), 6640 (4-304), 7740 (4-304), 7840 (6-401), 8240 (6-456), 8340 (6-456) 1994-1997; New Holland Skid Steer Loaders with 450/NC Diesel: LS190, LX985 1998-1999; Tractors with Ford Diesel: 5640 (4-268), 6640 (4-304), 7740 (4-304), 7840 (6-401), 8240 (6-456), 8340 (6-456).

NOTE Lucas-Marelli A127 Series 45 Amp. Alternator for Ford Tractors. 6-Groove Pulley 68mm OD, 17mm ID.



PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A54022691	12	45-55	-	I/R	6-Groove

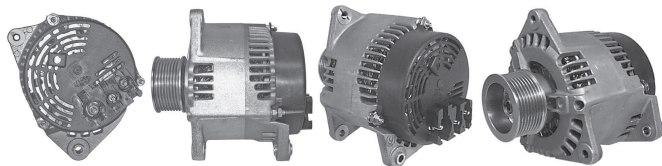
REPLACE Lucas: 24384, 54022525, 54022691A*; **Iskra Sales:** IA0587; **Marelli:** MAN1004, MAN176, 633 243 84; **Ford:** F2NN-10B376-CA; **New Holland:** 82001260R; **Pic Book:** 280-328, 280-328A*; **Lester:** 12093.

APPLICATIONS Ford Farm Tractors with 4-268, 4-304, 6-401, 6-456 Ford Diesel Engines 1994-1997; New Holland Farm Tractors with 4-268, 4-304, 6-401, 6-456 Ford Diesel Engines 1994-1998; New Holland Skid Steer Loaders: LS190 450/NC Diesel 2000, LX985 450/NC Diesel 1998-1999.

NOTE Lucas-Marelli A127 Series 45-55 Amp. Alternator for Ford / New Holland Farm Tractors. * 55 Amp. Version.



LUCAS-MARELLI ALTERNATORS FOR FORD / NEW HOLLAND

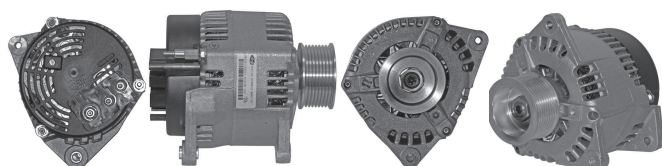


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
AM787	12	100	-	I / R	8-Groove

REPLACE **Marelli:** 633 203 39, 633 213 47, MAN787;
Iskra: IA1019, 11-203-087, AAK5354; **Ford:** F2NN-10B376-AA;
New Holland: 82001259, 82002329, 82003307, 82010243;
Pic Book: 280-326, 282-287 (Iskra Replacement); **Lester:** 12095.

APPLICATIONS New Holland Industrial Tractors: 8010 6-456 Ford Diesel 1996-2000, 8010HC 6-456 Ford Diesel 1997-1999, 8160 6-456 Ford Diesel 1996-1999, 8360 6-456 Ford Diesel 1996-1999, 8560 6-456 Ford Diesel 1996-1999, TV140 Bi-Directional NH 6-456 Turbo Diesel 2001-2002.

NOTE Lucas-Marelli A127iR Type IF Alternator for Ford / New Holland Tractors. Same as AMR655 (6-Groove Pulley), Except This Unit Has 8-Groove Serpentine Pulley. 120 Amp. Version of this Unit is 12427 (Pic Book 280-326A).

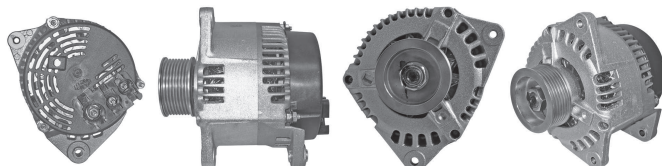


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
AM1172	12	120	-	I / R	8-G Solid

REPLACE **Lucas:** LRA2826; **Marelli:** MAN1172, 633 217 53;
Iskra Sales: IA1020; **New Holland:** 82014508;
Pic Book: 280-326A; **Lester:** 12427.

APPLICATIONS New Holland TV145 Tractor with Bi-Directional NH 6-456 Turbo Diesel.

NOTE Lucas-Marelli A127iR Series 120 Amp. Alternator for New Holland Tractors. Similar to 100 Amp. AM787

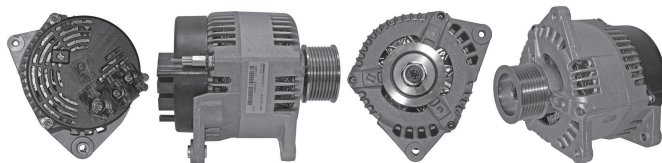


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
AMR655	12	100	-	I / R	6-Groove

REPLACE **Lucas:** 54022443B, 54022527, 54022568;
Lucas Reman.: A2533; **Marelli:** MAN786, 633 212 85, 633 213 46*, 633 400 15, 633 412 85; **Iskra:** IA1018*, 11-203-042*, AAK5326*;
Ford: 65GB-1300-LA, F0nNN-10B376-BB, F2NN-10B376-AA;
New Holland: 82003307, 82010242; **Pic Book:** 280-325, 280-347*, 282-250* (Iskra Replacement); **Lester:** 12094.

APPLICATIONS Ford Farm Tractors: 5640SLE 4-268 Diesel 1994-1997, 6640SLE 4-304 Diesel 1994-1997, 7740SLE 4-304 Diesel 1994-1997, 7840SLE 6-401 Diesel 1994-1997, 8160 6-456 Diesel 1996-1998, 8240SLE 6-456 Diesel 1994-1997, 8260 6-456 Diesel 1996-1998, 8340SLE 6-456 Diesel 1994-1997, 8360 6-456 Diesel 1996-1998, 8560 6-456 Diesel 1996-1998; New Holland Farm Tractors: 5640 4-268 Ford Diesel 1991-1998, 6530HC 4-268 Ford Diesel 1992-1997, 6640 4-304 Ford Diesel 1991-1998, 7740 4-304 Ford Diesel 1991-1998, 7840 6-401 Ford Diesel 1991-1996, 8240 6-456 Ford Diesel 1992-1997, 8340 6-456 Ford Diesel 1992-1997.

NOTE Lucas-Marelli A127iR Type IF Alternator for Ford / New Holland Tractors. Same as AM787 Except This Unit Has 6-Groove Serpentine Pulley 65 mm OD, 17 mm ID. * This Unit is without "S" Terminal and Has 6-Groove Serpentine Pulley 67 mm OD, 17 mm ID.



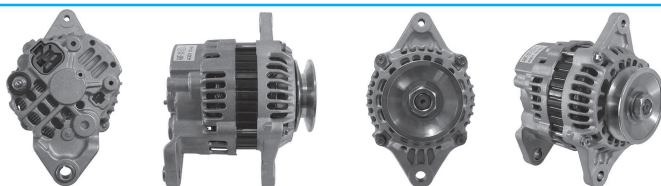
PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A21817	12	115	-	I / R	8-Groove

REPLACE **Lucas Electrical:** LRA2861; **Marelli:** 633 217 43, 633 218 17; **Ford:** 1C1T-10300-BB; **New Holland:** 82020011;
Pic Book: 202-145; **Lester:** 12740.

APPLICATIONS New Holland Tractors: TS100A 4.5L 4 Cyl. Turbo 2003.

NOTE Marelli A115iM Type Alternator for Case and New Holland Applications. 8 Groove Conventional Pulley.

MITSUBISHI ALTERNATORS FOR FORD / NEW HOLLAND



PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A12077N	12	40	L-IG	I / R	1-V Solid

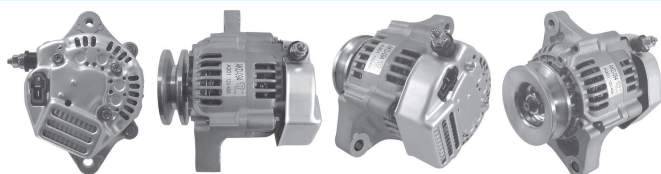


REPLACE Mitsubishi: A7T03877; Ford: SBA-18504-6320; Ishikawajima: 18504-6320; Lucas Electrical: LRA2179; New Holland: SBA18504-6320; Perkins: 185046320; Pic Book: 203-167; Lester: 12077.

APPLICATIONS Ford / New Holland Compact Tractors with Shibaura Diesel Engines: 1320 (3-77) 1987-1998, 1520 (3-81) 1987-1997, 1530 (3-81) 1996-1998, 1620 (3-81) 1991-1997, 1630 (3-81) 1996-1998, 1715 (3-81) 1993-1997, 1720 (3-91) 1987-2002, 1725 (3-81) 1996-1998, 1920 (4-122) 1987-2002, 1925 (3-91) 1996-1998, 2120 (4-139) 1987-2002, 3415 (4-135) 1993-2002; New Holland Skid Steer Loaders: L140 N843 1.5L 32HP Diesel 2006, L150 N843H 1.5L 38HP Diesel 2006, L160 N844 2.0L 46HP Diesel 2006, L170 N844T 2.0L 52HP Turbo Diesel 2006, L465 Ford VSG413 1994-1999, LS140 N843 Diesel 2000, LS150 N843H Diesel 2000, LS160 N844 Diesel 2000, LS170 N844T Diesel 2000, LX465 N843 Diesel 1994-1999, LX485 N843 Diesel 1994-1999, LX565 N844 Diesel 1994-1999, LX665 N844 Diesel 1994-1999; Compact Boomers: 2030 1.5L 3cyl 31HP Diesel, 2035 1.6L 3cyl 35HP Diesel, 3040 2.0L 4cyl 40HP Diesel, 3045 2.2L 4cyl 45HP Diesel, 3050 2.2L 4cyl 50HP Diesel 2008; Compact Tractors: T1510 1.5L 3cyl 30HP Diesel 2008, T1520 1.7L 3cyl 35HP Diesel 2007, T2210 1.5L 3cyl 31HP Diesel, T2220 1.6L 3cyl 35HP Diesel, T2310 2.0L 4cyl 40HP Diesel, T2320 2.2L 4cyl 45HP Diesel, T2330 2.2L 4cyl 50HP Diesel 2008, TC25 Shibura 25HP Diesel, TC25D Shibura 25HP Diesel 1998-2005, TC29 Shibura 29HP Diesel, TC29D Shibura 29HP Diesel 1999, TC29DA Shibura 29HP Diesel 2003, TC30 New Holland 30HP Diesel 2001, TC31DA New Holland 31HP Diesel 2006, TC33 Shibura 33HP Diesel, TC33D Shibura 33HP Diesel 1999, TC33DA Shibura 33HP Diesel 2003, TC34DA New Holland 34HP Diesel 2006, TC35 New Holland 35HP Diesel 2000, TC35A New Holland 35HP Diesel, TC35DA New Holland 35HP Diesel 2003, TC40 New Holland 40HP Diesel 2000, TC40A New Holland 40HP Diesel 2003, TC40D New Holland 40HP Diesel 2000, TC40DA New Holland 40HP Diesel 2003, TC45 New Holland 45HP Diesel 2000, TC45A New Holland 45HP Diesel 2003, TC45D New Holland 45HP Diesel 2000, TC45DA New Holland 45HP Diesel 2003; Front Mowers: MC28 28HP 3cyl Diesel, MC35 35HP 3cyl Diesel; Tractors: TT45A 2.0L 4cyl 40HP, TT50A 2.2L 4cyl 48HP 2007.

NOTE Mitsubishi Alternator for Case Compact Tractors with Shibaura Diesel Engines and Ford / New Holland Skid Steer Loaders with Ford and Shibaura Diesel Engines.

NIPPONDENSO ALTERNATORS FOR FORD / NEW HOLLAND



PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A12189N	12	40	IG-L	I / R	1-V



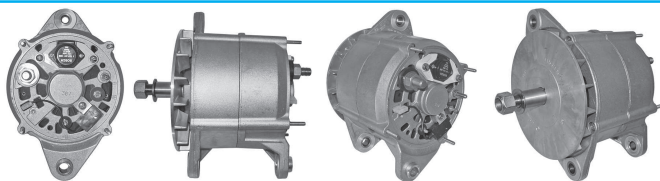
REPLACE Nippondenso: 100211-1610, -1630, -1640, -1680, -4690; 101211-2480; Nippondenso Reman.: 9760211-163, 9760218-163; Lucas Electrical: LRB344; Daihatsu: 27060-87201; Ford / New Holland: SBA18504-6220; Ishikawajima: 18504-6220; Kubota: 15881-64200, 15881-64201; Thermo King: 5D36221G01; Pic Book: 290-198, 290-439; Lester: 12189.

APPLICATIONS FORD / NEW HOLLAND Compact Tractors: 1220 3-58 Shibaura Diesel 1987-1998; NEW HOLLAND Compact Tractors: TC21D Shibaura 21HP Diesel 1999-2005, TC24D Shibaura 24HP Diesel 2002.

NOTE Nippondenso Alternator for Kubota, Thermo King Equipment. 1-Groove Pulley 69 mm OD, 15 mm ID.



BOSCH ALTERNATORS FOR INTERNATIONAL TRACTORS

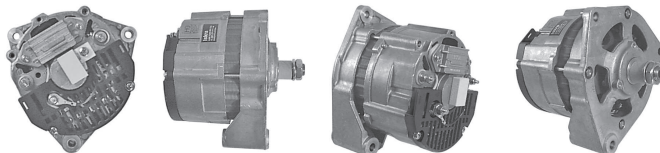


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12131	12	110	-	I/R	8-Groove

REPLACE Bosch: 0-120-468-028; Bosch Reman.: AL9939X; Iskra: IA1058, 11-203-124, AAN5138; Lucas Electrical: LRA1511; Case: 20-2360T91, 91448C1, 91448C2; International: 91448C1; Pic Book: 220-371, 282-211 (Iskra Replacement); Lester: 12131.

APPLICATIONS INTERNATIONAL HARVESTER Combines: 1420 D-358 5.9L Diesel 1981-1986.

NOTE Bosch Alternator for Case Combines / Cotton Pickers / Tractors, International Combines.

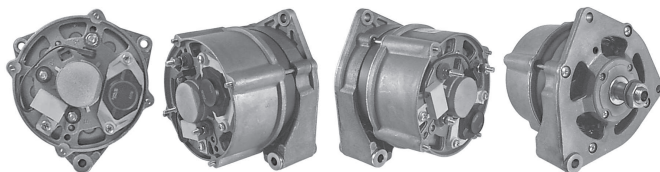


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12217	24	27	-	I/R	-

REPLACE Bosch: 0-120-489-023, 0-120-489-730; Iskra: IA0574, 11-201-574, AAK1352; Lucas Electrical: LRA2778; Marelli: MAR902, 9433 577 65; Case: 3218884EX, 3218884R91; Faun: 1702114; Hatz: 50366600; International: 3218884R91; KHD: 117-2650; Liebherr: 6201367; MAN: 81-26101-6012; Mercedes: 006-154-1702; Steyr: 610-00-09-0073; Volvo: 6209191; Pic Book: 220-369, 282-108 (Iskra Replacement); Lester: 12217.

APPLICATIONS INTERNATIONAL HARVESTER Tracks: 3964 / 3965 / 3980 Yumbo with D-358 5.9L Engine 1979-1986, 650 Yumbo with T-402 6.6L Engine 1978-1986.

NOTE Bosch Alternator for Atlas Excavators, Atlas Copco, Deutz Engines, Liebherr Excavators with KHD-Deutz Engines, International Harvester Tracks. This Unit is Similar to the Bosch A12031.

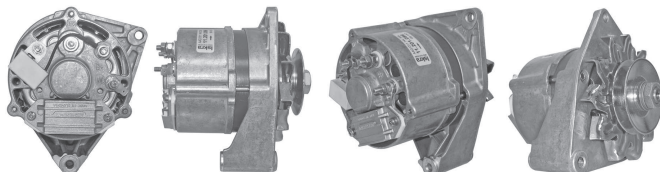


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A14390	12	65	-	I/R	-

REPLACE Bosch: 0-120-489-022, 0-120-489-506, 0-120-489-710; Bosch Reman.: AL911X; Iskra: IA0499, 11-201-219, 11-201-444, 11-201-499, 11-203-415, AAK1182, AAK1370, AAK3574, AAK4351; Lucas Electrical: LRA617, LRA1217; Bomag: 057-109-16; Case: 3218544EX, 3218544R91; Claas: 685-498-0; Fendt: X830-060-020; Hako: 90-21594-8; Hyster: 3046662; KHD: 116-1638, 116-3752, 117-1638, 291-3096; Liebherr: 610-70-10; Marelli: 9433 567 66, MAR875; MAN: 51-26101-7151; Mercedes: 003-154-62-02, 004-154-26-26, 006-154-16-02; Steyr: 610-00-09-0072; Volvo: 6205473; Pic Book: 220-353, 220-353B, 282-177 (Iskra Replacement); Lester: 14390.

APPLICATIONS INTERNATIONAL Backhoe Loaders: 1255 1976, 1455 1982, 321 D-239 4.0L Diesel 1976-1985, 3964 Yumbo D-358 5.9L Diesel 1980-1986, 3965 Yumbo D-358 5.9L Diesel 1980-1986, 3980 Yumbo D-358 5.9L Diesel 1980-1986.

NOTE Bosch Alternator for Claas Combines, Deutz-Fahr Tractors, Fendt Tractors, Iveco Trucks, KHD Trucks, Mercedes Trucks, New Holland Tractors, Perkins Engines.



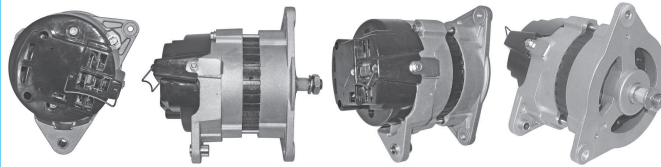
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A14949	12	33	-	I/R	1-V

REPLACE Bosch: 0-120-339-514, 0-120-339-531; Bosch Reman.: AL905X; Iskra: IA0096, 11-201-096, AAG1311; Lucas Electrical: LRA584; KHD: 116-3752, 117-1638, 291-3096; Case: 3218239EX, 3218239R91; International: 3218239-R91, 3144924-R91; Pic Book: 220-188, 220-188A, 282-156 (Iskra Replacement); Lester: 14949.

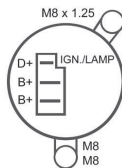
APPLICATIONS INTERNATIONAL Combines: 321 D-239 Diesel 1977-1986, 321 D-310 Diesel 1976-1986; Loaders: 321 D-239 Diesel 1977-1986; Pyscrapers 431 D-239 Diesel 1977-1986, 531 D-310 Diesel 1976-1986.

NOTE Bosch Alternator for Allis Chalmers, Case Tractors, IHC Combines, KHD Tractors. This is the Internally Regulated Version of the 14948.

LUCAS ALTERNATORS FOR INTERNATIONAL TRACTORS



PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A103	12	43	-	I/R	1-V

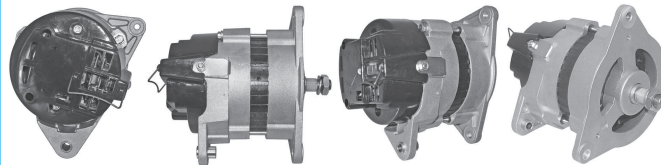


REPLACE Lucas: 23615, 23617, 23622, 23684, 23709, 23721, 23737, 23765, 23766, 23771, 23779, 23808, 23811, 23842, 23848, 23873, 23891, 23945; **Lucas Electrical:** LRA103, LRA226; **Lucas Reman.:** A1812; **Lucas TVS:** 260 212 35; **Marelli:** 9433 563 14, 9433 564 55, MAR479, MAR692; **Bosch Reman.:** AL300X; **Iskra:** IA0301, 11-201-0301, AAK4135; **GM:** 7982574, 7982652, 7982742; **Massey Ferguson:** 1096462M91, 1446796M91, 1447109M91, 1903093M91, 1903095M91; **Perkins:** 2871609, 2871621; **Pic Book:** 280-111, 282-370 (Iskra Replacement); **Lester:** 14037.

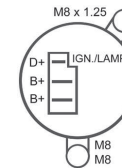
APPLICATIONS INTERNATIONAL Farm Tractors: 364 IHC 154 Diesel 1976-1977, 384 Row Crop or Utility IHC D-155 Diesel 1978-1982, 84 Row Crop or Utility IHC D-179 Diesel 1978-1982, 474 1973-1976, 484 Row Crop or Utility IHC D-179 Diesel 1978-1984, 584 Row Crop or Utility IHC D-206 Diesel 1978-1984, 684 Row Crop or Utility IHC D-239 Diesel 1978-1984, 784 Row Crop or Utility IHC D-246 Diesel 1978-1984, 884 Row Crop or Utility IHC D-268 Diesel 1979-1984; Tractors - Agricultural Hydro: 84 IHC D-256 Diesel 1978-1984.

NOTE Lucas 16 / 17ACR Type Alternator. This Unit is the 43 Amp. Version of the A100.

LUCAS ALTERNATORS FOR JCB / PERKINS APPLICATIONS



PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A103	12	43	-	I/R	1-V Solid



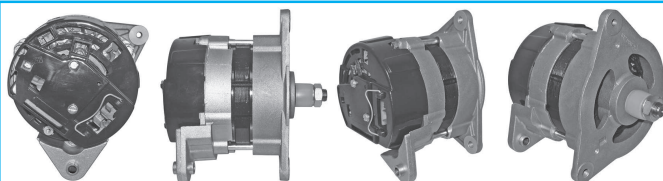
REPLACE Lucas: 23615, 17, 22, 77, 84, 91, 93; 23709, 19, 21, 27, 35A, 37, 51, 59, 65, 66, 71, 79; 23808, 11, 39, 42, 48, 73, 91, 93; 23925, 45, 46; **Lucas Reman.:** A1812; **Lucas Electrical:** LRA103, LRA226; **Lucas TVS:** 260 212 35; **Bosch Reman.:** AL300X; **Iskra Sales:** IA0067, IA0301, IA0531; **GM:** 7982574, 7982652, 7982742; **Massey Ferguson:** 1096462M91, 1446796M91, 1447109M91, 1903093M91, 1903095M91; **Perkins:** 2871609, 2871621; **Valeo:** VA112; **Pic Book:** 280-111, 282-370 (Iskra); **Lester:** 14037.

APPLICATIONS J.C. BAMFORD Excavators: 805 with Perkins 4-236 1971-1979, 805B Perkins 4-236 1971-1979, 806 Perkins 4-248 1973-1979, 806B Perkins 4-248 1973-1979, 806C Perkins 4-248 1973-1979, 807 Perkins 6-354 1973-1979, 807B Perkins 6-354 1973-1979, 807C Perkins 6-354 1973-1979, 808 Perkins 6-354 1973-1980, 811 Perkins 6-354 1985-1988, 812 Perkins 6-354 1985-1990, 814 Perkins 6-354 1985-1990, 817 Perkins 6-354 1985-1988, 818 Perkins 6-354 1985-1990, 820 Perkins 6-354 1985-1990; Loaders: 110 Perkins 4-243 1970-1981, 110B Perkins 4-243 1970-1981, 110C Perkins 4-243 1970-1981, 2 Perkins Engines 1972-1985, 3 Perkins Engines 1972-1985, 3C Perkins 4-236 1972-1985, 3CX Sitemaster Perkins 4-236 1980-1984, 3DS Perkins Engines 1980-1985, 410 Perkins 6-354 1972-1984, 412 Perkins Engines 1985-1993, 413 Perkins 6-354 1971-1983, 415 Perkins Engines 1985-1993, 418 Perkins 6-354 1971-1983, 420 Perkins 6-354 1971-1983, 430 Perkins 6-354 1971-1983, 4D Perkins 4-236 1980, 4DS Perkins Engines 1980-1985, 525 Perkins Engines 1978-1982, 8 Perkins 6-354 1972-1974, 8C Perkins 6-354 1968-1974, 8D Perkins 6-354 1968-1974; Misc. Equipment: 520 Cherry Picker Perkins 4-236 1978-1984.

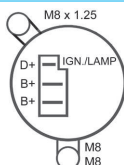
NOTE Lucas 16 / 17ACR Type Alternator for Barber Greene, IHC Tractors, JCB Excavators and Massey Ferguson Loaders. This Unit is 43 Amp.; the 36 Amp. Version is the A100.



LUCAS ALTERNATORS FOR JCB / PERKINS APPLICATIONS



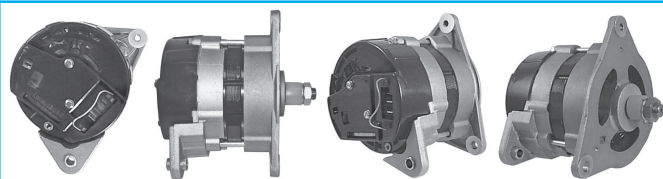
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A105	12	45	-	I / R	-



REPLACE 23568, 69, 74, 76, 83, 85, 91, 92; 23600, 08, 09, 11, 16, 18, 19, 24, 26, 31, 32, 39, 44, 45, 46, 52, 53, 54, 55, 56, 57, 59, 63, 65, 73, 75, 82, 83, 92, 96; 23701, 04, 07, 12, 20, 25, 29, 36, 38, 52, 54, 60, 68, 70, 73, 75, 80, 81, 93, 94; 23809, 10, 18, 20, 22, 24, 28, 41, 52, 54, 56, 57; 23905, 06, 12, 13, 21, 22, 23, 26, 27, 28, 47, 48, 49, 50, 61, 63; 24023, 66; 24108, 14, 15, 39, 44; 54021337; **Lucas Reman.:** A1721, A1819; **Lucas Electrical:** LRA101, LRA105, LRA113; **Bosch Reman.:** AL318X; **Iskra Sales:** IA0301, IA0305; **Ford:** D1RY-10346-D, GLE-102; **Hyster:** 3042349; **Marelli:** MAR478, 9433 564 54; **Massey Ferguson:** 104900M91, 1446870M91, 1447112M91, 1447217M91, 1903091M91, 1903099M91, 3473639M91; **JCB:** 714/01600; **Perkins:** 2871622, 2871A101, 2871A121, 2871A129; **Valeo:** VA101, VA107; **Pic Book:** 280-112, 280 -331, 280-331A, 280-331B; **Lester:** 12073, 14030.

APPLICATIONS BARBER GREENE Finishers: SA35 Perkins Engines 1976-1984, SA41 Perkins Engines 1976-1984, SB110 Perkins Engines 1972-1973, SB111 Perkins Engines 1973-1982, SB30 Perkins Engines 1976-1984.

NOTE Lucas A115 / A133 and ACR Type Alternator for British Automobiles and Industrial Engines. This Looks Just Like the A100 / A103, Except the Adjusting Ear is on the Opposite Side.

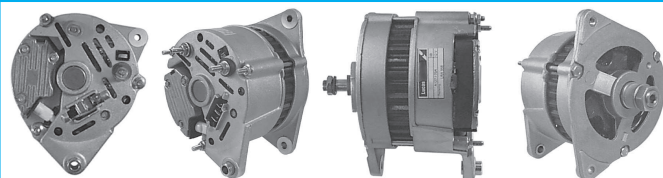


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A278	12	45	-	I / R	-

REPLACE Lucas: 23929, 24024, 28, 37, 65, 79, 99; 24167, 68, 82, 85; 540 218 31, 219 95, 219 98, 220 26, 220 82, 220 89, 221 35; **Lucas Reman.:** A1820, A1821, A1823; **Lucas Electrical:** LRA278, LRA356, LRA583; **Iskra:** IA0068, 11-201-068, AAK1114; **Case:** K306549, 3129851R91; **Hyster:** 3042363; **JCB:** 714/06800; **International:** 92293C1; **Perkins:** 2871A102, 2871A120, 2871A131; **Pic Book:** 280-303, 280-308, 282-510 (Iskra); **Lester:** 12040, 12041.

APPLICATIONS J.C. BAMFORD Excavators: 805BT Perkins 4-236 1982-1988, 806B Perkins 4-248 1980-1985, 806C Perkins 4-248 1980-1985, 807B Perkins 6-354 1980-1985, 807C Perkins 6-354 1980-1985; Loaders: 1400 / 1400B Perkins 4-236 1985-1991, 1500 / 1500B Perkins 4-236 1985-1991, 1700 / 1700B Perkins 4-236 1985-1991, 3C Perkins 4-236 1972-1985, 3C1400 Perkins 4-236 1980-1985, 3C1550 Perkins 4-236 1980-1985, 3CX Sitemaster Perkins 4-236 1980-1991, 3D1700 Perkins 4-236 1980-1985, 4CN Perkins 4-236 1980-1985, 4D Perkins 4-236 1980, 520 Perkins 4-236 1982-1989, 525B Perkins 4-236 1982-1989, 530 Perkins 4-236 1987-1991, 530B Perkins 4-236 1987-1991, 540 Perkins Engines 1987-1994, 540B Perkins Engines 1987-1994.

NOTE Lucas A115 and ACR Type Alternator for Case Tractors and JCB Industrial. For 65 Amp. Use A461.



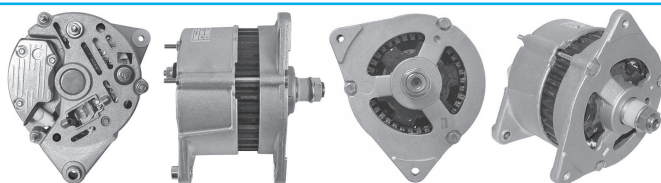
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A290	12	70	-	I / R	-

REPLACE Lucas: 24470; **Lucas Electrical:** LRB290; **Lucas Elektrik:** LEA0057; **Iskra Sales:** IA0810, 11-201-810, 11-203-270, 11-204-090, AAK3848, AAK4309, AAK4598; **Marelli:** 633 244 07, MAR817; **JCB:** 714/26100; **Perkins:** 2871A160; **Pic Book:** 280-349, 282-232 (Iskra Replacement); **Lester:** 12365, 12088 (Iskra).

APPLICATIONS J.C. BAMFORD Backhoe Loaders: 3CX-4 Perkins 4-40 4.4L 1994, 4CX Perkins 4-40 1994; Rough Terrain Fork Lift: 4C 1994; PERKINS Marine ENGINES Various Models: 1000-6 (5977cc) 6cyl Engine 1992-2006, 1004-4 (3980cc) 4cyl Engine 1992-2006, 903-27 (2699cc) 3cyl Engine.

NOTE Lucas A127 Type Alternator for JCB , Perkins Industrial.

LUCAS ALTERNATORS FOR JCB / PERKINS APPLICATIONS



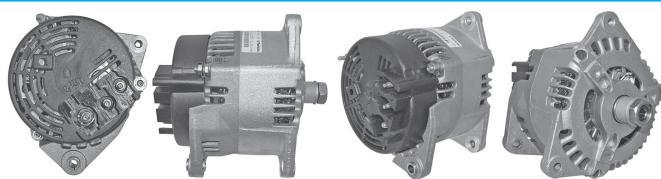
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A461	12	55-65	-	I / R	Various

REPLACE Lucas: 24129, 24157, 24158, 24208, 24277, 24220; 54022053, 54, 96, 97A, 97B; 54022108, 09, 82, 91, 93; 54022211, 12, 18, 19, 26, 29, 42, 44, 55, 62, 63, 77, 80, 82, 95; 54022306, 53, 54; 54022426, 31, 38, 58, 83; 54022580; 54022616, 31;
Lucas Reman.: A2514, A2517; **Lucas Electrical:** LRA460, LRA461; **Bosch Reman.:** AL5050X; **Iskra Sales:** IA0707, IA0728, IA0810; **Marelli:** 633 241 57; 633 242 20, 42, 45; 633 243 18; **MAN** 102, 118, 131, 161, 192, 665, 705, 750; **Case:** 92281C1, 92292C1, K311696, K311697, K311698; **JCB:** 714/12500, 714/12500R, 714/20400; **Massey Ferguson:** 1447312M91, 1693232M91, 1693233M91, 1897695M91, 1897695R91; **Perkins:** 2871A141, 2871A147, 2871A148, 2871A154, 2871A163; **Prestolite:** 66021136; **Valeo:** VA110, VA140; **Pic Book:** 280-306, -306A; 282-321 (Iskra); **Lester:** 12045, 12046.

APPLICATIONS J.C. BAMFORD Excavators: 811 Perkins 6-354 1985-1988, 812 Perkins 6-354 1985-1990, 814 Perkins 6-354 1985-1990, 817 Perkins 6-354 1985-1988, 818 Perkins 6-354 1985-1990, 820 Perkins 6-354 1985-1990; Lift Trucks: 926 Perkins 1004 1989-1998, 926 Perkins 4-243 1989-1998, 930 Perkins 1004 1986-1998, 930 Perkins 4-243 1986-1998, 940 Perkins 1004 1992-1998, 940 Perkins 4-243 1992-1998; Loaders: 1400 / 1400B Perkins 4-236 1985-1991, 1500 / 1500B Perkins 4-236 1985-1991, 1600B Perkins 4-236 1987-1993, 1700 / 1700B Perkins 4-236 1985-1991, 210 Series Perkins 4cyl 1990-1995, 214 Series Perkins 1004 1986-1997, 214 Series Perkins 4-243 1986-1997, 215 Series Perkins 1004 1986-1997, 215 Series Perkins 4-243 1986-1997, 217 Series Perkins 1004 1986-1997, 217 Series Perkins 4-243 1986-1997, 3C1400 Perkins 4-236 1980-1985, 3C1550 Perkins 4-236 1980-1985, 3CX Sitemaster Perkins 4-236 1985-1991, 3D1700 Perkins 4-236 1980-1985, 407 Perkins Engines 1993-1996, 408 Perkins 4-254 1990-1994, 409 Perkins Engines 1993-1996, 410 Perkins Engines 1985-1994, 411 Perkins Engines 1994-1996, 412 Perkins Engines 1994-1996, 415 Perkins Engines 1994-1996, 416 Perkins Engines 1994-1996, 4CN Perkins 4-236 1980-1985, 505 Perkins 1004 1989-1995, 505 Perkins 4-243 1989-1995, 506 Perkins 1004 1989-1995, 506 Perkins 4-243 1989-1995, 508 Perkins 1004 1989-1995, 508 Perkins 4-243 1989-1995, 510 Perkins 1004 1989-1995, 510 Perkins 4-243 1989-1995, 515 Perkins Engines 1990-1995, 520 Perkins 4-236 1982-1989, 525B Perkins 4-236 1982-1989, 530 Perkins 4-236 1987-1991, 530B Perkins 4-236 1987-1991, 540 Perkins Engines 1987-1994, 540B Perkins Engines 1995-1997.

NOTE Lucas A127 Type Alternator for Case, Ford, JCB, Massey Ferguson Tractors. 65 Amp. and 55 Amp. Versions.

LUCAS-MARELLI ALTERNATORS FOR JCB / PERKINS APPLICATIONS



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
AM655	12	85	-	I / R	-

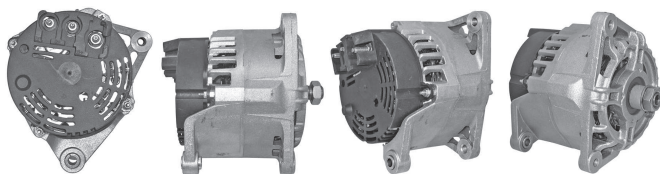
REPLACE Lucas: 24344, 54022468; **Marelli:** 63320317, 63321466, 63340007, 63341434, 63341466, MAN677; **Iskra:** IA1204, 11-203-433, AAK5580; **Lucas Electrical:** LRB435; **JCB:** 714/32200; **Land Rover:** YLE10083, YLE101870, YLE10870; **Perkins:** 2871A168; **Valeo Short:** VA625; **Pic Book:** 280-346, 202-126, 282-582 (Iskra Replacement) - 100 Amp.; **Lester:** 12550, 21702.

APPLICATIONS J.C. BAMFORD Loaders: 525-58 Perkins 4.0L 1987-1997, 525-67 Perkins 4.0L 1987-1997, 635 Fastrac 1991-1993, 636 Fastrac 1993, 737 Fastrac Perkins 6.0L 1997.

NOTE Lucas-Marelli A127iR Type IF Alternator for JCB, Manitou Farm Tractors with Perkins 1104C-44T 4.4L Engine, Perkins Engines. AM7462 (Lester 12738) May Match This Unit Exactly. M5-0.8 "W" & "D+" Studs, Dual Mounting Feet (82.4 mm Between) with 8 mm Mtg. Holes at 6:00 & (1) Adjusting Ear at 2:00 with a M8-1.25 Threaded Hole, 17mm Shaft Diameter.



LUCAS-MARELLI ALTERNATORS FOR JCB / PERKINS APPLICATIONS

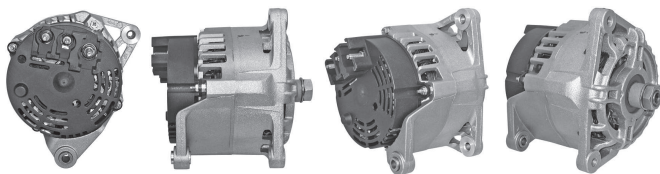


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
AM7460	12	65	-	I/R	2-V

REPLACE Lucas: 24479; Marelli: 63377460, MAN7460;
Nippondenso: 102211-8160; **Caterpillar:** 225-3141, 225-3143;
JCB: 714/40152; **Perkins:** 2871A301, TPN771; **Pic Book:** 280-346D,
280-346G; **Lester:** 12735.

APPLICATIONS J.C. BAMFORD Loaders: 525-58 Perkins 4.0L
1987-1997, 525-67 Perkins 4.0L 1987-1997, 635 Fastrac 1991-1993,
636 Fastrac 1993, 737 Fastrac Perkins 6.0L 1997.

NOTE Lucas-Marelli A115i Type Alternator for Perkins Engines.
M5-0.8 "W" & "D+" Studs, Dual Mounting Feet (82.4 mm Between)
with 8.0mm Mounting Holes at 6:00 & Adjusting Ear at 2:00 with
M8-1.25 Threaded Hole, 17mm Shaft D. Supplied without Pulley.

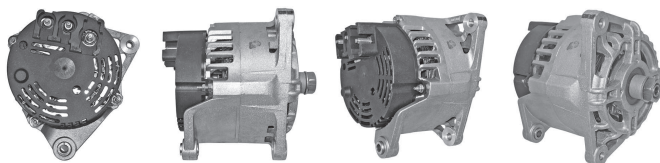


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
AM7461	12	75	-	I/R	-

REPLACE Lucas: 24480; Marelli: 63377461, MAN7461;
Iskra: IA1204, 11-203-433, AAK5580; **Nippondenso:** 102211-8170;
JCB: 714/40153; **Perkins:** 2871A302; **Pic Book:** 280-346E,
282-582 (Iskra Replacement) - 100 Amp.; **Lester:** 12736.

APPLICATIONS J.C. BAMFORD Loaders: 525-58 Perkins 4.0L
1987-1997, 525-67 Perkins 4.0L 1987-1997, 635 Fastrac 1991-1993,
636 Fastrac 1993, 737 Fastrac Perkins 6.0L 1997.

NOTE Lucas-Marelli A127iR Type IF Alternator for JCB, Manitou
Farm Tractors with Perkins 1104C-44T 4.4L Engine, Perkins Engines.
M5-0.8 "W" & "D+" Studs, Dual Mounting Feet (82.4 mm Between) with
8 mm Mtg. Holes at 6:00 & (1) Adjusting Ear at 2:00 with a M8-1.25
Threaded Hole, 17mm Shaft Diameter.

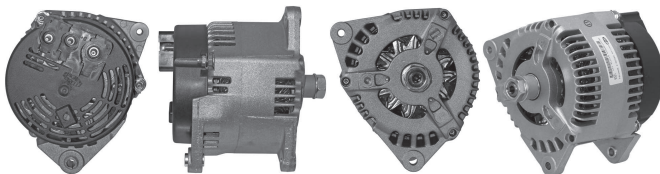


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
AM7462	12	85	-	I/R	-

REPLACE Lucas: 24481; Marelli: 63377462, MAN7462;
Nippondenso: 102211-8180; **JCB:** 714/32200, 714/40154;
Caterpillar: 305-3661; **Perkins:** 185046522, 2871A303, TPN758;
Pic Book: 280-346F; **Lester:** 12738.

APPLICATIONS J.C. BAMFORD Loaders: 525-58 Perkins 4.0L
1987-1997, 525-67 Perkins 4.0L 1987-1997, 635 Fastrac 1991-1993,
636 Fastrac 1993, 737 Fastrac Perkins 6.0L 1997.

NOTE Lucas-Marelli A115i Type Alternator for Perkins Engines.
AM655 (Lester 12550) May Match This Unit Exactly. M5-0.8 "W" &
"D+" Studs, Dual Mounting Feet (82.4 mm Between) with 8 mm Mtg.
Holes at 6:00 & (1) Adjusting Ear at 2:00 with a M8-1.25 Threaded
Hole, 17mm Shaft Diameter.



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
AM7464	12	120	-	I/R	-

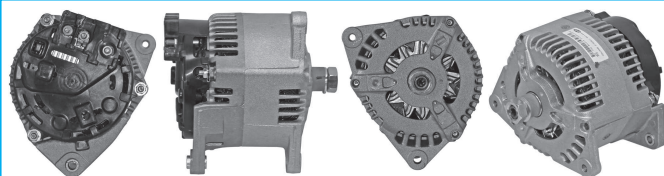
REPLACE Marelli: 63377464, MAN7464;
Caterpillar: 225-3145; **Nippondenso:** 102211-8130;
Perkins: 2871A305; **Pic Book:** 202-346C; **Lester:** 12739.

APPLICATIONS Caterpillar Tractor 420D with Perkins Engine.

NOTE Lucas-Marelli A127iR Type IF Alternator for JCB, Caterpillar
Applications with Perkins Engines. For 85 Amp Version Use AM655.
M5-0.8 "W" & "D+" Studs, Dual Mounting Feet (82.4 mm Between) with
8 mm Mtg. Holes at 6:00 & (1) Adjusting Ear at 2:00 with a M8-1.25
Threaded Hole, 17mm Shaft Diameter.



LUCAS-MARELLI ALTERNATORS FOR JCB / PERKINS APPLICATIONS

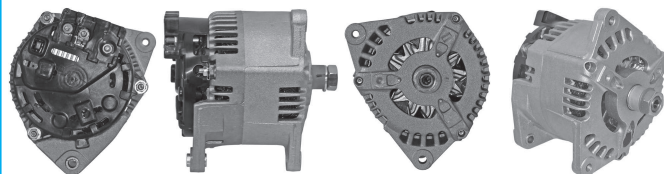


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
AM7465	24	55	-	I/R	-

REPLACE Marelli: 63377465, MAN7465; **JCB**: 714/40208; **Caterpillar**: 225-3146; **Nippondenso**: 102211-8140; **Perkins**: 2871A701; **Pic Book**: 202-123A; **Lester**: 12426.

APPLICATIONS JCB, Caterpillar Applications with Perkins Engines.

NOTE Lucas-Marelli A127iR Type IF Alternator for JCB, Caterpillar Applications with Perkins Engines.



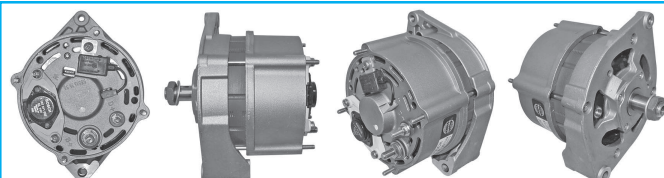
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
AM7466	24	75	-	I/R	-

REPLACE Lucas: 24485; Marelli: 63377466, MAN7466; **Caterpillar**: 225-3147; **Hyster**: 1556256; **Perkins**: 2871A702; **Pic Book**: 202-123, 202-150; **Lester**: 12426, 12814.

APPLICATIONS Caterpillar and Hyster Applications with Perkins Engines.

NOTE Lucas-Marelli A127iR Type IF Alternator for Hyster and Caterpillar Applications with Perkins Engines.

BOSCH ALTERNATORS FOR JOHN DEERE APPLICATIONS



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A971	12	95	-	I/R	-

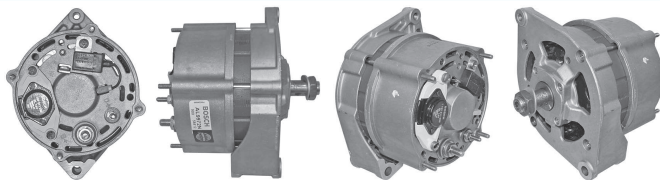
REPLACE Bosch: 0-120-484-011, -018, -026; 0-986-040-280; **Bosch Reman.:** AL9971X; **Iskra**: IA0875, IA1348, 11-201-875, 11-203-268, AAK4307, AAK5165; **Lucas Electrical**: LRA2731; **Case**: A187623; **Caterpillar**: 1052813, 9X0341; **Cummins**: 3282554; **John Deere**: AH137883, AT220394, RE36267, SE501342, TY6750; **Pic Book**: 220-343, 282-240, -611 (Iskra); **Lester**: 12145.

APPLICATIONS JOHN DEERE Backhoe Loaders: 210C 1987-1992, 310C 1987-1992, 315C 1987-1992, 410D 4045 Diesel 1990, 510C 1987-1992, 510D 4045 Diesel 1990, 610C 1987-1989, 710B 1987-1989, 710C 1989-1993, 710D 6059 Diesel 1990; Combines: 9400 359 Diesel 1989-1993, 9400 466 Diesel 1989-1993, 9410, 9450, 9500 466 Diesel 1989-1993, 9510, 9550, 9550SH, 9600 466 Diesel 1989-1993, 9610, 9650 466 Diesel 1989-1993, 9650 CTS, 9650 STS, 9750 STS, 9780 CTS, 9860 STS, CTS Combine All 1992-1994, CTS II Combine All, CTS II Euro Combine All; Cotton Pickers: 7450 359 Diesel 1995-1997, 9930 359 Diesel 1987-1993, 9960 466 Diesel 1987-1993, 9965 466 Diesel 1993; Crawlers: 400G 1988, 450G 1993, 450H, 455G 1993, 550G 1993, 550H, 555G 1993, 650G 1993, 650H; Feller Bunchers: 643D 1990, 643G, 843G; Handlers: 3215 Telescopic, 3220 Telescopic, 3415 Telescopic, 3420 Telescopic, 3800 Telescopic; Lift Trucks: 482C 1987; Loaders: 430B Log Loader, 435 Log Loader, 435C Log Loader, 437C Log Loader, 544G 1994, 624G 1994, 644G 1993; Skidders: 540E 4045 Diesel 1993, 540G 1993, 548E 1993, 548G 1993, 640E 6068 Diesel 1993, 640G 1993, 648E 6068 Engine 1993, 648G 6068 Engine 1993, 740E 6076 Engine 1993, 740G 1993, 748E 6076 Engine 1993, 748G 1993, 6500 1995; Tool Carriers: 544G 6059 Diesel 1994; Industrial Tractors: 400G 1992, 450G 1993; Windrowers 3430, 3830, 3930 1985-1992.

NOTE Bosch Alternator for Case, Caterpillar, John Deere. Bosch AL9942X is a Different Version, but will Interchange, for 120 Amp. Version Use 9-120-060-042 (Lester 12372).



BOSCH ALTERNATORS FOR JOHN DEERE TRACTORS

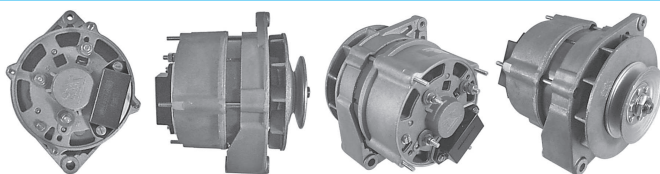


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A972	12	120	-	I / R	-

REPLACE Bosch: 0-120-484-017, 0-120-484-019;
Bosch Reman.: AL9943X; **Iskra:** IA1154, 11-203-332, AAK4321;
Lucas Electrical: LRA2698; **John Deere:** AE53101, AL78689,
 AL78692, AL81438, TY6777, TY6793; **Pic Book:** 220-374, 282-525
 (Iskra Replacement); **Lester:** 12168.

APPLICATIONS JOHN DEERE Combines: 1170, 2054, 2056,
 2058, 2066, 2254, 2256, 2258, 2264, 2266 1990; Cotton Pickers:
 7455, 9935, 9976; Harvesters: 6610 All 1993, 6650, 6710 All 1993,
 6750, 6810 All 1993, 6850, 6910 All 1993, 6950, 7200, 7300, 7400,
 7500, 7700, 800; Farm Tractors: 6100 4-239 Diesel 1993, 6200 4-239
 Diesel, 6300 4-239 Diesel, 6400 4-276 Diesel 1993, 6500 1993, 506,
 6600, 6800, 6900.

NOTE Bosch Alternator for John Deere. Australian Bosch 12372 is
 a Different Version, but will Interchange.

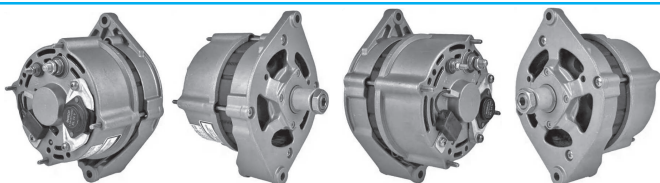


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A1089	24	45	-	I / R	1-V Solid

REPLACE Bosch: 0-120-488-206, -294, 0-120-489-481;
Bosch Reman.: AL9940X, AL9948X; **Case:** A186124, A186153,
 AR187916, P941518P, P941542; **Cummins:** 3020678, 3284392,
 3604479RX, 3675275NW, 3911247, 3920678; **JCB:** 714/31500;
John Deere: AL12148, AT161324, TY24322, TY6774; **Iskra:** IA0759,
 11-201-759, AAK1387; **Prestolite:** 20130211; **Pic Book:** 220-199,
 220-378, 282-224 (Iskra Replacement); **Lester:** 12147, 12148.

APPLICATIONS JOHN DEERE Crawlers: 605C JD4045T 99HP
 Diesel, 655B 1982-1986, 750B 1982-1990, 750C 1991, 750C-II, 755B
 1985-1990, 850B 619 Diesel 1982-1990, 850C 1991; Excavators:
 120, 120C, 160CLC, 160LC, 190E 4039 Diesel 1994, 200CLC 1995,
 200LC 1995, 230CLC, 230LCR 4045 Diesel, 270CLC, 270LC, 330LC,
 330LCR, 370, 370C, 370C LC, 450C LC, 450LC, 490E 4045 Diesel
 1993, 690E LC 6068 Diesel 1993, 790D 6068 Diesel 1993, 790E LC,
 792 1993, 792D LC, 892E LC 6078 Diesel 1994, 992E LC 1994;
 Graders: 570B 1982, 670B 1982, 670C, 672B 1988, 672C, 770B
 1982, 772B 1982; Loaders 344G 1995, 444G 1995, 444H 1997, 2054,
 2554, 3554; Tool Carriers: TC44H 1997.

NOTE Bosch Alternator for Case, John Deere, Komatsu, Onan.



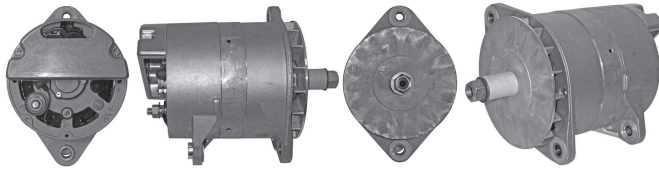
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12151	12	85	-	I / R	1-V Groove

REPLACE Bosch: 0-120-484-002, 0-120-484-003, -016, -020;
Bosch Reman.: AL9935X; **Iskra:** IA0989, 11-201-989, AAK5197;
John Deere: AL60033, AL67176, AL78690, AL81437, TY6778,
 TY6792; **Pic Book:** 220-348, 220-348A; **Lester:** 12151.

APPLICATIONS JOHN DEERE Farm Tractors: 1550, 1750, 1850,
 1950, 2250, 2355 1987-1992, 2450, 2450 Built in Spain, 2555 4-239
 Diesel 1987-1992, 2650, 2650 Built in Spain, 2755 4-239 Diesel 1987-
 1992, 2850, 2850 Built in Spain, 2855N 4-239 Diesel 1987-1993, 2955
 6-359 Diesel 1987-1992, 3050, 3055 6-359 Diesel 1992, 3150 Built in
 Spain, 3155 6-359 Diesel 1987-1992, 3255 6-359 Diesel 1992, 3350,
 3350 Built in Spain, 3640, 3650, 6100 4-239 Diesel 1993, 6200 4-239
 Diesel 1993, 6300 4-239 Diesel 1993, 6400 4-276 Diesel 1993, 6500
 1993, 6506, 6600, 6605, 6800, 6900; Industrial Tractors: 3055 359
 Diesel 1992, 3155 359 Diesel 1987-1991, 3255 359 Diesel 1992.

NOTE Bosch Alternator for John Deere Farm and Industrial
 Tractors.. For 55 Amp. Version Use A13195.

BOSCH ALTERNATORS FOR JOHN DEERE TRACTORS

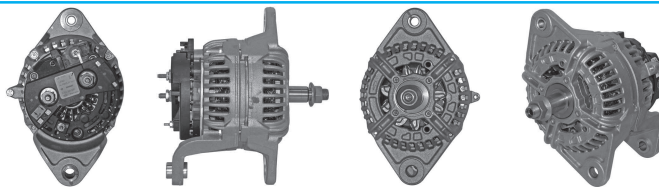


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12122	24	50	-	I / R	-

REPLACE Bosch: 0-122-469-002, 0-122-469-004;
Bosch Reman.: AL9934X; **Caterpillar:** 1005046, 3V8825, 9G9538;
John Deere: AT85458, TY6681; **Volvo:** 10039152;
Pic Book: 220-365; **Lester:** 12166.

APPLICATIONS JOHN DEERE Crawlers: 850 1978-1981, 850B 619 Diesel 1982-1990, 855 1979-1981; Excavators: 690E LC 6068 Diesel 1993; Graders: 670B 1982, 672B 1988, 770B 1982, 772B 1982; Loaders: 744E 1990; Scrapers: 862B 1982, JD762B 1982.

NOTE Bosch Alternator for Caterpillar Excavators, Graders, Mining Trucks, Pipelayers, Scrapers, Track Loaders, Wheel Skidders, John Deere Crawlers, Excavators, Graders and Scrapers. Bosch 0-122-469-005 (Lester 12380) is the 70 Amp. Version of This Unit. Delco 20SI Version is Lester 7297.

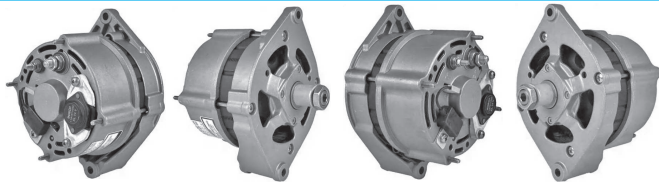


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12490	12	160	-	I / R	-

REPLACE Bosch: 0-124-525-085; **Bosch Newman.:** AL9960LH;
Pic Book: 220-5300; **Lester:** 12490.

APPLICATIONS JOHN DEERE Industrial Loaders: 544E 1988-1992, 624E 1988-1992, 644E 1988-1992; Skidders: 540E 4045 Diesel 1993, 548E 1993, 640E 6068 Diesel 1993, 648E 6068 Engine 1993, 740E 6076 Engine 1993, 748E 6076 Engine 1993; Tool Carriers: 544E 1988-1995.

NOTE Bosch Alternator for AGCO Allis, AGCO White, Case Farm Tractors, Caterpillar Farm Tractors, Champion Graders, Cummins Engines, Ford / New Holland Tractors, John Deere Skidders, Massey Ferguson Combines and Volvo Heavy Duty Trucks. For 200 Amp. Version of this Unit use 12715, in a Slightly Larger Diameter Case.



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A13195	12	55	-	I / R	-

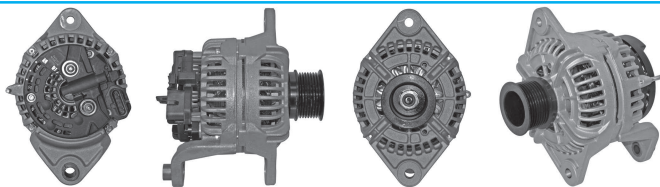
REPLACE Bosch: 0-120-488-217, 0-120-488-218, -267, -290;
Bosch Reman.: AL906X; **Iskra:** IA0592, 11-201-592, 11-201-934, AAK1362, AAK3329; **Lucas Electrical:** LRA1703; **John Deere:** AL35998, AL67175, AL6776, AL78692, AL81436; **Pic Book:** 220-006; **Lester:** 13195.

APPLICATIONS JOHN DEERE Farm Tractors: 1030 2.7L Diesel 1970-1982, 1130 1970-1982, 1350, 1550, 1630 1973-1982, 1750, 1750V Built in Spain, 1850, 1850 Built in Spain, 1850F Built in Spain, 1850V Built in Spain, 1950, 1950 Built in Spain, 1950F Built in Spain, 2155, 2250, 2250 Built in Spain, 2250F Built in Spain, 2355 1987-1992, 2450, 2450 Built in Spain, 2450F Built in Spain, 2555 4-239 Diesel 1987-1992, 2650, 2650 Built in Spain, 2650F Built in Spain, 2750 4-239 Diesel 1983-1986, 2755 4-239 Diesel 1987-1992, 2840 6-329 Diesel 1977-1979, 2850, 2850 Built in Spain, 2855N 4-239 Diesel 1987-1993, 2950 6-359 Diesel 1983-1986, 2955 6-359 Diesel 1987-1992, 3040 1980-1984, 3050, 3150 6-359 Diesel 1985-1987, 3150 Built in Spain, 3350, 3350 Built in Spain, 3640; Utility Tractors: 2150 3-179 Diesel 1982-1987, 2155 3-179 Diesel 1987-1992, 2240 164 Diesel 1976-1982, 2255 3-179 Diesel 1983-1987, 2350 4-239 Diesel 1983-1986, 2355 4-239 Diesel 1986-1992, 2550 4-239 Diesel 1982-1987, 840, 930 1972-1979, 830 3cyl Engine 1972-1975.

NOTE Bosch Alternator for John Deere Tractors. Similar to the Bosch 13193, for 85 Amp. Version Use A12151.



BOSCH ALTERNATORS FOR JOHN DEERE TRACTORS



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12493	24	100	-	I / R	8-Groove

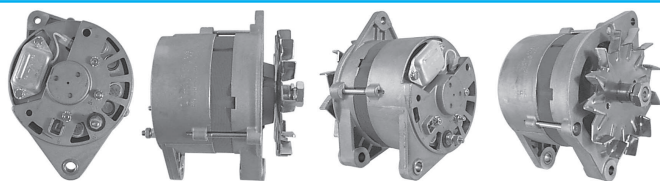


REPLACE Bosch: 0-124-655-013; Bosch Reman.: AL5051X;
John Deere: AT300167; Pic Book: 220-5290; Lester: 12493.

APPLICATIONS JOHN DEERE Graders: 670D, 670G JD 9.0L 155HP Diesel, 672D, 672G JD 9.0L 170HP Diesel, 770D, 770G JD 9.0L 165HP Diesel, 772D, 772G JD 9.0L 194HP Diesel, 870D, 870G JD 9.0L 180HP Diesel, 872D, 872G JD 9.0L 214HP Diesel;
Loaders: 444K JD 4.5L 115HP Diesel, 524K JD 6.8L 125HP Diesel, 544K JD 6.8L 145HP Diesel, 624K JD 6.8L 170HP Diesel, 644K JD 6.8L 185HP Diesel, 724K JD 9.0L 227HP Diesel, 744K JD 9.0L 274HP Diesel, 824K JD 13.5L 290HP Diesel, 844K JD 13.5L 330HP Diesel.

NOTE Bosch 24V Alternator for John Deere Graders and Loaders.

MAGNETON ALTERNATORS FOR JOHN DEERE TRACTORS

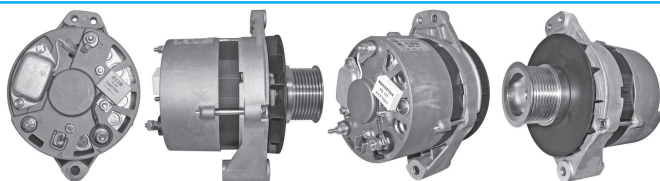


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A6653	12	55	-	I / R	1-V Groove

REPLACE Magneton: 443-113-516-653, 443-113-516-650, 9-516-653, 9-516-650; Lucas Electrical: LRA1443;
Zetor: 78-350-922, 90-36-653; Pic Book: 205-204, 205-204A;
Lester: 12367.

APPLICATIONS JOHN DEERE Farm Tractors: 2000 Zetor Engines, 2100 Zetor Engines, 2200 Zetor Engines, 2300 Zetor Engines, 2400 Zetor Engines, 2700 Zetor Engines, 2800 Zetor Engines.

NOTE Magneton Alternator for John Deere Farm Tractors with Zetor Engines, Desta and Zetor Tractors. Made in Slovakia.

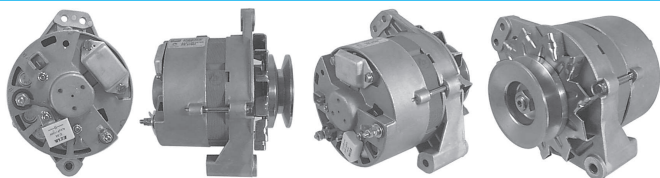


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12130	12	55	-	I / R	8-Groove

REPLACE Magneton: 9-515-241*, 9-516-241, 443-113-515-241*, 443-113-516-241; John Deere: RE501634, RE506196*; Lucas Electrical: LRA2116; Pic Book: 205-200, 205-203*; Lester: 12130.

APPLICATIONS JOHN DEERE Skid Steer Loaders: 270 JD 4045D 77HP Engine 1999-2004, 280 JD 4045T 90HP Engine 2002-2004.

NOTE Magneton Alternator for Deutz Engines and John Deere Tractors. 8-Groove Pulley 60 mm OD, 17 mm ID. *205-203 is the Later Version, the Difference Between the Two is a Longer Rotor Shaft and Pulley to Match. Made in Czech Republic.



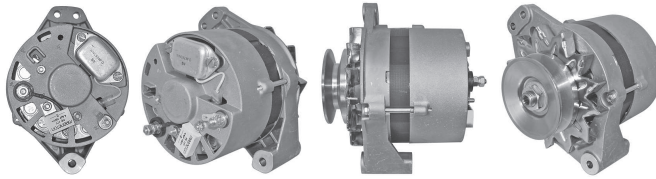
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A208393	12	55	-	I / R	1-V

REPLACE Magneton: 443-113-515-768, 443-113-516-760, 443-113-516-761, 443-113-516-762, 443-113-516-763, 443-113-516-764, 443-113-516-765, 9-515-511, 9-516-762, 9-516-763, 9-516-765;
John Deere: RE500502, RE57960, RE57961; Pic Book: 205-201;
Lester: 12140.

APPLICATIONS JOHN DEERE Engines: 2.9L Engine Code 3106, 12, 13, 2.9L Engine Code 3117, 21, 22; Handlers: 4400 Telescopic, 4500 Telescopic; Power Units: CD3029DF Genset - Code 3106, CD3029DF Genset - Code 3112, CD4039DF / TF Genset - Code 3106, CD4045TF Genset - Code 3106, CD6059TF Genset - Code 3107, CD6068TF Genset - Code 3107; Skid Steer Loaders: 240 JD 3029D 46HP Engine 1999-2004, 250 JD 3029T 61HP Engine 1999-2004, 260 JD 3029T 69HP Engine 1999-2004, 8875 John Deere 61HP Turbo Diesel 1994-1998.

NOTE Magneton Alternator for Ingersoll Rand Air Compressors and John Deere Skid Loaders. 1-Groove Pulley 85 mm OD, 17 mm ID. Similar to Paris Rhone A13N262 (Lester 12305). Made in Czech Republic.

MAGNETON ALTERNATORS FOR JOHN DEERE TRACTORS



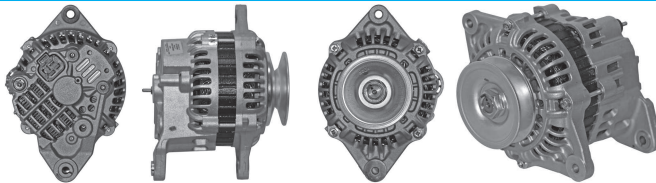
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12368	24	40	-	I / R	1-V

REPLACE Magnetron: 9-516-875, 443-113-516-875;
John Deere: RE70779; Lucas Electrical: LRA2116;
Pic Book: 205-205; Lester: 12368.

APPLICATIONS JOHN DEERE Power Units: CD3029DF Genset - Code 3121, CD4039DF / TF Genset - Code 3119, CD4045TF Genset - Code 3119, CD6059TF Genset - Code 3120, CD6068TF Genset - Code 3120.

NOTE Magnetron 24V Alternator for John Deere Applications. Made in Czech Republic.

MITSUBISHI ALTERNATORS FOR JOHN DEERE TRACTORS



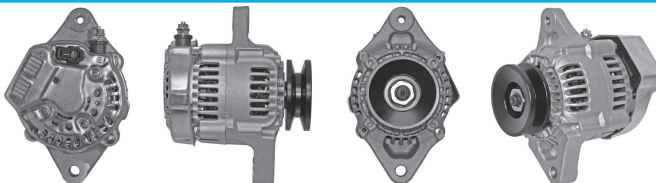
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12730N	24	30	-	I / R	1-V

REPLACE Mitsubishi: A2TA8383; Lucas Electrical: LRA2538;
Isuzu: 8971822892; New Holland: VI8971822892;
Pic Book: 203-5096; Lester: 12730.

APPLICATIONS JOHN DEERE Industrial Excavators: 80C.

NOTE Mitsubishi 24V Alternator for John Deere Excavator, Kobelco / Isuzu Applications. Negative Output Stud - M5-0.8, Mounting Ear 8.5mm Unthreaded, 2-Blade Regulator Plug.

NIPPONDENSO ALTERNATORS FOR JOHN DEERE TRACTORS



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12188	12	40	IG-L	I / R	1-V



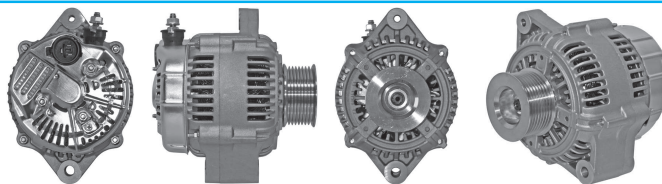
REPLACE Nippondenso: 100211-4530, 100211-4531;
Lucas Reman.: A8130; Lucas Electrical: LRA1980;
John Deere: AM877740; Yanmar: 119620-77201, 119620-77202;
Pic Book: 290-208; Lester: 12188.

APPLICATIONS JOHN DEERE Engines: 3009, 3011, 3014, 4019; Farm Tractors: 3235 Yanmar Engines 1995, 455 Yanmar 3T72 1995-1996, F1145 Yanmar 3TN75 1992, F925 Yanmar 3TNA72 1993, F935 Yanmar 3TNA72 1990; Industrial Skid Steer Loaders: 317 JD 4024T 57HP Engine 2005, 320 JD 4024T 62HP Engine 2005, 675 Yanmar 4TNA82 1987-1989, 675B Yanmar 4TNA82 1987-1994, 3005 Yanmar 27.5HP Diesel; Utility Tractors: 4005 Yanmar 41.5HP Diesel, 4010 Yanmar 18.5HP Diesel 2002, 4110 Yanmar 20HP Diesel 2002, 655 Yanmar Engines 1993-1995, 755 Yanmar 3T72 1993-1995, 756 Yanmar 3T72 1986-1990, 855 Yanmar 3T72 1995, 856 Yanmar 3T72 1986-1990, 955 Yanmar Diesel 1990-1995; Powersport Utility Vehicles (UTV): Gator 6 x 4 Yanmar 18HP Diesel, Gator HPX Yanmar 3TNE68 20HP Diesel, Gator TH 6x4 Yanmar 20HP Diesel, Gator XUV 850D 4x4 Yanmar 3TNV70 24HP Diesel, M-Gator A1 Military Yanmar 3TN66C 18HP Diesel, M-Gator A1 Military Yanmar 3TNV70 20HP Diesel, Trail Gator 6 x 4 Yanmar 18HP Diesel; Front Mowers: 3215B JD Series 220 26HP Diesel, 3225B JD Series 220 32HP Diesel, 3225C JD Series 220 38.5HP Diesel, 3235B JD Series 220 39HP Diesel, 3235C JD Series 220 48HP Diesel, 3245C JD Series 220 48HP Diesel, F1145 Yanmar 3TN75, F1145 Yanmar 3TNE78A; Turf Mowers: 3325 From Ser. #002742, 3365 From Ser. #002742; Wide Area Mowers: 1600 Yanmar 51HP Diesel, 1620 Yanmar 51HP Diesel; Z-Trak Mowers: 997 Yanmar 30HP Diesel; Lawn Tractors: 425 20HP 1993-1997, 430 Yanmar 22HP Diesel 1984-1991, 445 22HP Gas 1993-1997, Yanmar 22HP Diesel 1993-1997, X495 Yanmar 24HP Diesel, X595 4WD Yanmar 24HP Diesel.

NOTE Nippondenso Alternator for John Deere Applications and Yanmar Engines. 1-V Pulley, 1/2" Belt Width.



NIPPONDENSO ALTERNATORS FOR JOHN DEERE TRACTORS



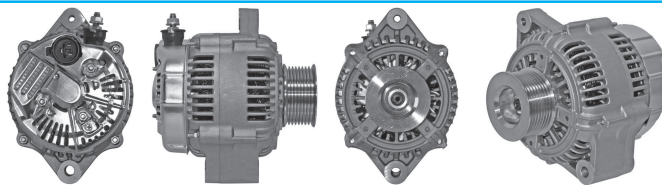
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12193N	12	90	-	I/R	8-Groove



REPLACE Nippondenso: 101211-5030; John Deere: RE34888, TY6763; Pic Book: 290-435; Lester: 12193.

APPLICATIONS JOHN DEERE Farm Tractors: 7200 6-359 Diesel 1994, 7210 6-414 Diesel 1996, 7400 6-414 Diesel 1994, 7410 6-414 Diesel 1996, 7510 1996, 7600 6-414 Diesel 1993, 7610 6-414 Diesel 1996, 7700 6-414 Diesel 1993, 7710 6-466 Diesel 1996, 7800 6-466 Diesel 1993, 7810 6-466 Diesel 1996.

NOTE Nippondenso 90 Amp. Alternator for John Deere 7000 Series Tractors. 8-Groove Pulley. This is 90 Amp. Version of A12194, A12195, A12066.



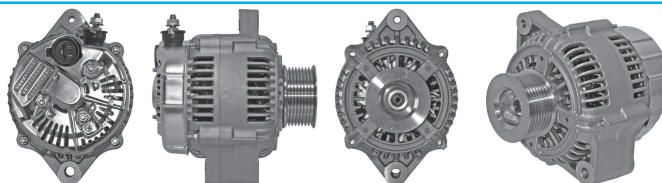
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12194N	12	120	-	I/R	8-Groove



REPLACE Nippondenso: 101211-7130; John Deere: RE34890, RE60745; Pic Book: 290-436; Lester: 12194.

APPLICATIONS JOHN DEERE Farm Tractors: 7200 6-359 Diesel 1994, 7210 6-414 Diesel 1996, 7400 6-414 Diesel 1994, 7410 6-414 Diesel 1996, 7510 1996.

NOTE Nippondenso 120 Amp. Alternator for John Deere 7000 Series Tractors. 8-Groove Pulley. This is 120 Amp. Version of A12193, A12195, A12066.



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12195N	12	140	-	I/R	8-Groove

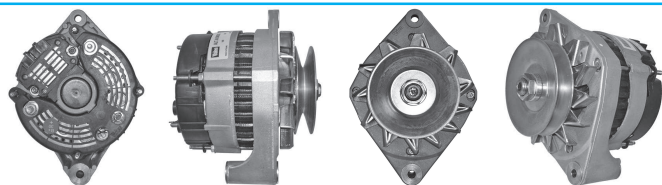


REPLACE Nippondenso: 100211-6420; Bosch Reman.: AL9975X; Lucas Electrical: LRA1943; John Deere: RE46608, TY6762; Pic Book: 290-189; Lester: 12195.

APPLICATIONS JOHN DEERE Sprayers: 4700, 4710; Farm Tractors: 7600 6-414 Diesel 1993, 7610 6-414 Diesel 1996, 7700 6-414 Diesel 1993, 7710 6-466 Diesel 1996, 7800 6-466 Diesel 1993, 7810 6-466 Diesel 1996, 8100 6-466 Diesel 1994, 8100T 6-466 Diesel 1997, 8110, 8110T, 8200 6-466 Diesel 1994, 8200T 6-466 Diesel 1997, 8210, 8210T, 8300 6-466 Diesel 1994, 8300T 6-466 Diesel 1997, 8310, 8310T, 8400 6-466 Diesel 1994, 8400T 6-466 Diesel 1997, 8410, 8410T, 9100 6-643 Diesel 1997, 9120, 9200 6-643 Diesel 1997, 9220, 9300 6-360 Diesel 1997, 9300T 1997, 9320, 9320T, 9400 6-765 Diesel 1997, 9400T 1997, 9420, 9420T, 9520, 9520T.

NOTE Nippondenso 140 Amp. Alternator for John Deere 7000, 8000 Series Tractors. 8-Groove Pulley. This Can Also Be Used as an Upgrade to 90 Amp. A12193 and 120 Amp. A12194.

VALEO ALTERNATORS FOR JOHN DEERE TRACTOR ENGINES



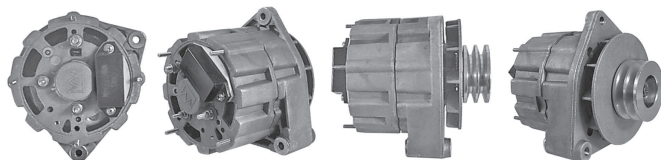
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A13N262	12	50	-	I/R	1-V

REPLACE Valeo: 592868, 2541673; Paris Rhone: A13N262; Bosch Reman.: AL5032N; John Deere: RE53906, RE57960; Pic Book: 208-393; Lester: 12305.

APPLICATIONS ATLAS COPCO Compressors XAS90 with 4039 John Deere Engine 1995.

NOTE Paris Rhone Alternator for John Deere. Same as A13N263, but has Different 1-V Pulley. These Units Interchange.

BOSCH ALTERNATORS FOR KHD / DEUTZ APPLICATIONS

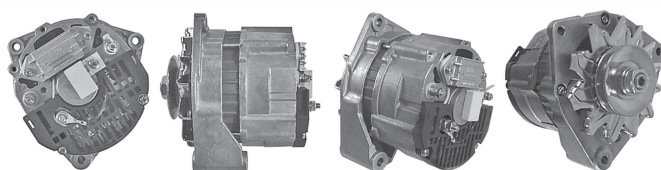


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A1107	24	35	-	I / R	2-V

REPLACE Bosch: 0-120-489-731, 0-986-031-320; Iskra: IA9434, 11.209.447, AAK1854; Lucas Electrical: LRA2423; Marelli: MAR 901, 9433 577 64; Case: R641554, R641554EX; Faun: 4791-321; Iveco: 42498156, 42522631, 42526631; Liebherr: 9179429; KHD: 117-2649; Pic Book: 220-376, 282-732 (Iskra Replacement); Lester: 12375.

APPLICATIONS KHD / DEUTZ Engines: BF6L913 6.1L, F3L912 2.8L, F4L912 3.8L, F4L913 4.1L, F5L912 4.7L, F6L413 8.5L, F6L413F 9.6L, F6L714 9.5L, F6L912 5.7L, F6L913 6.1L, F8L413 11.3L, F8L413F 12.8L, F10L413 14.1L, F10L413F 16.0L.

NOTE Bosch Alternator for Fuchs, Iveco Trucks, Liebherr Excavators, Magirus-Deutz, Poclain, Steyr, Weserhuetten with KHD-Deutz Engines.

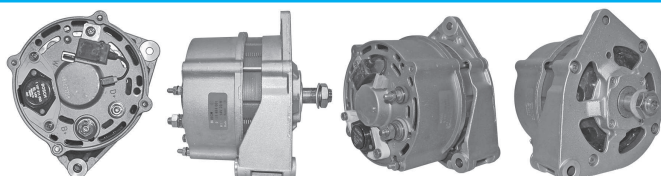


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A12031	24	27	-	I / R	1-V

REPLACE Bosch: 0-120-489-707; Bosch Reman.: AL920X; Iskra: IA0069, 11-201-052, AAK1109; Lucas Electrical: LRA924; Marelli: MAR989, 9433 577 07; Case: G41590EX; KHD: 117-0731, 117-8669; Liebherr: 6201369; Steyr: 614S090001; Pic Book: 220-369A, 282-163 (Iskra Replacement); Lester: 12031.

APPLICATIONS KHD / DEUTZ Engines: BF6L913 6.1L, F3L912 2.8L, F4L912 3.8L, F4L913 4.1L, F5L912 4.7L, F6L413 8.5L, F6L413F 9.6L, F6L714 9.5L, F6L912 5.7L, F6L913 6.1L, F8L413 11.3L, F8L413F 12.8L, F10L413 14.1L, F10L413F 16.0L.

NOTE Bosch Alternator for Atlas Copco, Deutz Engines, Fuchs Excavators, Liebherr Backhoes, Poclain, Zettelmeyer with KHD-Deutz Engines. This Unit is Similar to the Bosch A12217, 510-427 is the 40 Amp. Motorola Version of This Unit

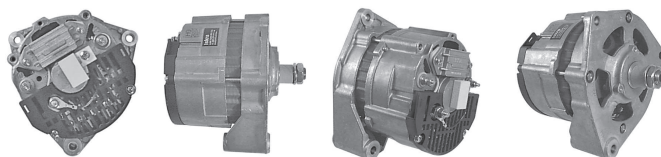


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A12169	12	95	-	I / R	-

REPLACE Bosch: 0-120-484-001; Bosch Reman.: AL9974X; Iskra: IA1081, 11-203-331, AAK4320; Lucas Electrical: LRA1397; John Deere: AL3846201, AZ3846201; KHD: 117-7063, 117-8607; Pic Book: 220-021, 282-549 (Iskra Replacement); Lester: 12169.

APPLICATIONS DEUTZ-ALLIS Tractors: 7110 6-374 Diesel 1987-1992, 7120 6-374 Diesel 1987-1992, 7145 6-374 Diesel 1987-1992; DEUTZ-FAHR Tractors: DX6.31 BF6L913T Diesel 1990-1994, DX6.50 BF6L913 Diesel 1984-1994, DX7-10 BF6L913 Diesel 1984-1994, DX8-30A 6-584 Diesel 1984-1985; Tractors Intrac: 6.30 BF6L913T Diesel 1989-1993, 6.30 F6L913 Diesel 1988, 6.60 BF6L913 Diesel 1988-1993.

NOTE Bosch K1 Type Alternator for Deutz-Allis / Deutz Fahr Tractors, KHD Diesel Engines, Iveco Trucks.



PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A12217	24	27	-	I / R	-

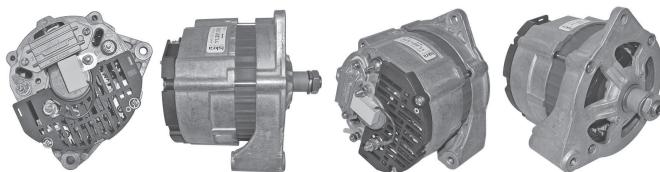
REPLACE Bosch: 0-120-489-023, 0-120-489-730; Iskra: IA0574, 11-201-574, AAK1352; Lucas Electrical: LRA2778; Marelli: MAR902, 9433 577 65; Case: 3218884EX, 3218884R91; Faun: 1702114; Hatz: 50366600; International: 3218884R91; Iveco: 42498157; KHD: 117-2650; Liebherr: 6201367; MAN: 81-26101-6012; Mercedes: 006-154-1702; Steyr: 610-00-09-0073; Volvo: 6209191; Pic Book: 220-369, 282-108 (Iskra Replacement); Lester: 12217.

APPLICATIONS ATLAS Excavators with KHD F8L413V Engine, CASE Crawler Excavator 170C Deutz Engine 1987-1991, LIEBHERR Excavators: R961 F6L413 Deutz, R971 F8L413 Deutz 1981-1987.

NOTE Bosch Alternator for Atlas Excavators, Atlas Copco, Deutz Engines, Liebherr Excavators with KHD-Deutz Engines. This Unit is Similar to the Bosch A12031.



BOSCH ALTERNATORS FOR KHD / DEUTZ APPLICATIONS

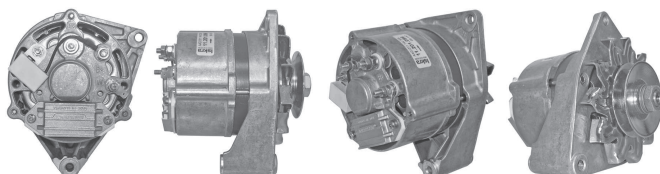


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A13203	12	65	-	I / R	-

REPLACE Bosch: 0-120-489-113, 0-120-489-756;
Bosch Reman.: AL921X; **Iskra:** IA0570, 11-201-570, AAK4517;
Lucas Electrical: LRA1346; **Bomag:** 057-109-21; **KHD:** 117-2857;
Steyr: 311-00-09-0025; **Pic Book:** 220-387, 282-106 (Iskra Replacement); **Lester:** 13203.

APPLICATIONS DEUTZ Tractors: DX130 F6L913 Diesel 1981-1985, DX140 BF6L913 Diesel 1979-1985, DX145 BF6L913 Diesel 1981-1985, DX160 BF6L913 Diesel 1979-1985, DX230 BF6L913 Diesel 1979-1982, DX250 BF6L913 Diesel 1982-1985; DEUTZ-ALLIS Tractors: 6265 4-230 Diesel 1989-1992, 6275 4-249 Diesel 1989-1992, 7085 4-249 Diesel 1987-1992, 7110 6-374 Diesel 1987-1992, 7120 6-374 Diesel 1987-1992, 7145 6-374 Diesel 1987-1992; DEUTZ-FAHR Combines: M2385 F6L912 Diesel 1982-1994; KHD Tractors: DX Series Tractors BF6L413 (9.6L - 9570cc) 1982-1985, DX Series Tractors BF6L913 (6.1L - 6090cc) 1980-1985, DX Series Tractors BF6L913 (6.1L - 6130cc) 1978-1985; Trucks: BF6L913 Engine 6128cc 1978-1985, F4L912 Engine 3760cc 1967-1975, F6L912 Engine 5640cc 1967-1969.

NOTE Bosch Alternator for Deutz, Deutz-Allis Tractors, Iveco Trucks, KHD Trucks, Steyr Trucks.



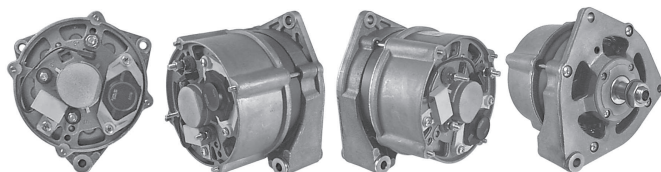
PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A14949	12	33	-	I / R	1-V

REPLACE Bosch: 0-120-339-514, 0-120-339-531;
Bosch Reman.: AL905X; **Iskra:** IA0096, 11-201-096, AAG1311;
Lucas Electrical: LRA584; **KHD:** 116-3752, 117-1638, 291-3096;
Case: 3218239EX, 3218239R91; **International:** 3218239-R91, 3144924-R91; **Pic Book:** 220-188, 220-188A, 282-156 (Iskra Replacement); **Lester:** 14949.

APPLICATIONS DEUTZ Farm Tractors: D4007 F3L912 Diesel 1980-1984, D4506 F3L912 Diesel 1979-1980, D4507 F3L912 Diesel 1981-1984, D4807 F3L912 Diesel 1980-1981, D5206 F3L912 Diesel 1979-1980, D5207 F3L912 Diesel 1981-1984, D6007 F4L912 Diesel 1983-1984, D6206 F4L912 Diesel 1979-1980, D6207 F4L912 Diesel 1981-1982, D6507 F4L912 Diesel 1983-1984, D6806 F4L912 Diesel 1979-1980, D6807 F4L912 Diesel 1981-1982, D7206 F4L912 Diesel 1979-1980, D7207 F4L912 Diesel 1980-1981, D7807 F4L913 Diesel 1980-1984, DX110 F6L912 Diesel 1979-1985, DX120 F6L913 Diesel 1981-1985, DX36 F2L912 Diesel 1979-1985, DX50V F3L912 Diesel 1979-1985, DX6007 F3L913 Diesel 1982-1985, DX85 F5L912 Diesel 1979-1985, DX86 BF4L913T Diesel 1983-1985, DX90 F5L912 Diesel 1979-1985, DX92 BF4L913 Diesel 1983-1985; DEUTZ-FAHR Combines: M1080 F5L912 Diesel 1981-1988, M1202 F6L912 Diesel 1980-1988, M980 F4L912 Diesel 1981-1988; Tractors D2807 F2L912 Diesel 1986-1988, D3607 F2L912 Diesel 1986-1988, D6507 F4L912 Diesel 1983-1984, D6807 F4L912 Diesel 1986-1988, D7007 F4L912 Diesel 1983-1988, D7807 F4L913 Diesel 1983-1984; Tractors Intrac: 2003 F4L912H Diesel 1979-1980, 2004 F4L912 Diesel 1978-1988; KHD Tractors: D Series Tractors F3L912 (2.8L - 2820cc) 1979-1984, D Series Tractors F3L913 (3.0L - 3040cc) 1982-1984, D Series Tractors F4L912 (3.8L - 3740cc) 1980-1981, D Series Tractors F4L912 (3.8L - 3770cc) 1979-1984, D Series Tractors F4L913 (4.1L - 4090cc) 1980-1984, DX Series Tractors BF4L913T (4.1L - 4060cc) 1982-1985, DX Series Tractors F2L912 (1.9L - 1880cc) 1978-1985, DX Series Tractors F3L912 (2.8L - 2820cc) 1978-1985, DX Series Tractors F4L913 (4.1L - 4060cc) 1982-1985, DX Series Tractors F5L912 (4.7L - 4710cc) 1978-1985, DX Series Tractors F6L912 (5.7L - 5650cc) 1978-1985, DX Series Tractors F6L913 (6.1L - 6090cc) 1980-1985.

NOTE Bosch Alternator for Allis Chalmers, Case Tractors, IHC Combines, KHD Tractors. This is the Internally Regulated Version of the 14948.

BOSCH ALTERNATORS FOR KHD / DEUTZ APPLICATIONS



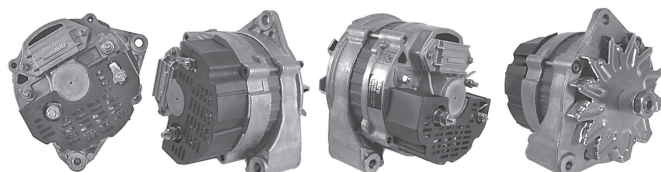
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A14390	12	65	-	I / R	-

REPLACE Bosch: 0-120-489-022, 0-120-489-506, -710;
Bosch Reman.: AL911X; **Iskra:** IA0499, 11-201-499, AAK3574;
Lucas Electrical: LRA1217; **Bomag:** 057-109-16; **KHD:** 116-3752,
 117-1638, 291-3096; **Case:** 3218544EX, R91; **Claas:** 685-498-0;
Fendt: X830-060-020; **Hako:** 90-21594-8; **Hyster:** 3046662;
International: 3136 412 R92; 3218 544 R91; **Liebherr:** 610-70-10;
Marelli: 9433 567 66, MAR875; **MAN:** 51-26101-7151; **Mercedes:**
 003-154-62-02, 004-154-26-26, 006-154-16-02; **Steyr:** 610-00-09-0072;
Volvo: 6205473; **Pic Book:** 220-353, 220-353B, 282-177 (Iskra
 Replacement); **Lester:** 13203.

APPLICATIONS DEUTZ-FAHR Tractors: D6507 F4L912 Diesel
 1983-1984, D7007 F4L912 Diesel 1983-1988, D7807 F4L913 Diesel
 1983-1984; KHD Trucks: BF6L913 Engine 6128cc 1973-1975, F3L912
 Engine 2820cc 1971-1975, F6L912 Engine 5640cc 1970-1975.

NOTE Bosch Alternator for Claas Combines, Deutz-Fahr Tractors,
 Fendt Tractors, Iveco Trucks, KHD Trucks, Mercedes
 Trucks, New Holland Tractors.

ISKRA ALTERNATORS FOR KHD / DEUTZ TRACTOR ENGINES

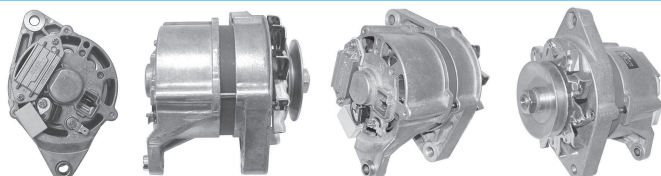


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A0226	12	65	-	I / R	-

REPLACE Iskra: IA0226, 11-201-226, AAK1189; **Bosch:**
 0-120-488-114, 0-120-488-185, 0-120-488-209; **Lucas Electrical:**
 LRB134; **Marelli:** 9433 562 49, MAR856; **KHD:** 117-8299, 117-8521,
 117-8606; **Fendt:** G205-900-010-011; **Steyr:** 311-00-09-0048;
Pic Book: 220-390, 282-180 (Iskra Replacement); **Lester:** 14394.

APPLICATIONS DEUTZ-ALLIS Tractors 6240 3-172 Diesel
 1986-1992, 6250 3-172 Diesel 1986-1992, 6260 3-187 Diesel 1986-
 1992, 6265 4-230 Diesel 1989-1992, 6275 4-249 Diesel 1989-1992,
 7085 4-249 Diesel 1987-1992; DEUTZ-FAHR Combines: M1080
 F5L912 Diesel 1989-1994, M1202 F6L912 Diesel 1989-1994, M980
 F4L912 Diesel 1989-1994; Tractors: D2807 F2L912 Diesel 1989-1993,
 D3607 F2L912 Diesel 1989-1993, D6807 F4L912 Diesel 1989-1994,
 D7007 F4L912 Diesel 1989-1994, DX3.10 F3L912 Diesel 1989-1994,
 DX3.30 F3L912 Diesel 1989-1994, DX3.50 F3L913 Diesel 1989-1994,
 DX3.60 F4L912 Diesel 1989-1994, DX3.70 F4L912 Diesel 1989-1994,
 DX3.80 F4L913 Diesel 1989-1994, DX3.90 F4L913 Diesel 1989-1994,
 DX4.10 F4L912 Diesel 1989-1994, DX4.31 F4L913 Diesel 1991-1994,
 DX4.50 BF4L913T Diesel 1989-1994, DX4.51 BF4L913T Diesel 1990-
 1994, DX4.70 BF4L913 Diesel 1989-1994, DX6.05 F6L912 Diesel
 1989-1994, DX6.10 F6L912 Diesel 1989-1994, DX6.30 F4L913 /
 F6L913 1989-1994, DX6.31 BF6L913T Diesel 1990-1994, DX6.50
 BF6L913 Diesel 1984-1994, DX6.60 BF6L913 Diesel 1988-1994,
 DX7-10 BF6L913 Diesel 1984-1994. DX8-30A 6-584 Diesel 1984-1985;
 Tractors Intrac: 2004 F4L912 Diesel 1988; KHD Ag & Industrial
 Engines Various Equipment F2L511 (1.7L - 1650cc) 1963-1975.

NOTE Iskra Replacement of the Bosch Alternator for Deutz-Fahr,
 Fendt, KHD, Linde, Steyr Tractors.



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A0783	12	33	-	I / R	1-V

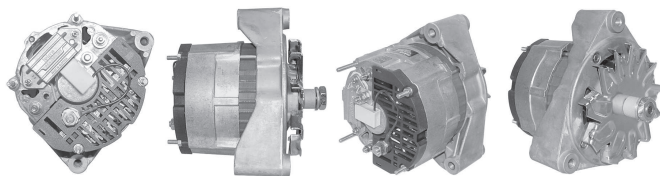
REPLACE Iskra: IA0783, 11-201-783, AAG1130;
Renault: 60-00-102-364, 60-05-701-124; **Pic Book:** 282-228.

APPLICATIONS RENAULT Farm Tractors: 50-12 LB/V Deutz
 F3L912, 55-12 L/LB/V Deutz F3L912, 55-14 LB/V Deutz F3L912,
 70-12 F/LB/V Deutz F4L912, 70-14 F/LB/V Deutz F4L912, 80-12 F/V
 Deutz F4L913, 80-14 F/LB/V Deutz F4L913.

NOTE Iskra Alternator for Renault Farm Tractors with Deutz
 Engines.



ISKRA ALTERNATORS FOR KHD-DEUTZ APPLICATIONS



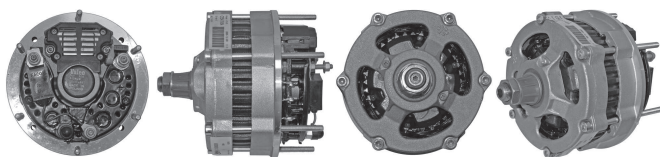
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12294	24	55	-	I / R	-

REPLACE Iskra: IA0903, 11-201-903, AAK3318;
Bosch: 0-120-469-008, 0-120-469-030, 0-120-469-521, 0-120-469-585;
Lucas Electrical: LRA2415; **Faun**: 1702-121; **Ford**: 83DB-10346-AA;
International: R941-520; **Iveco**: 42522722, 42522960;
KHD: 117-1628, 117-4253, 117-6424, 117-9469, 117-9840, 118-0005;
Liebherr: 600-09-73, 610-40-73; **Mercedes**: 006-154-48-02,
 716-109-01-40; **Pic Book**: 220-389, 220-406, 220-413, 282-244 (Iskra
 Replacement); **Lester**: 12294.

APPLICATIONS KHD Engines Various Equipment: BF10L513
 (16.0L - 15953cc) 1986, BF6L513R (9.6L - 9572cc) 1986.

NOTE Iskra Replacement of the Bosch Alternator for Deutz Marine,
 Faun, Iveco, Steyr Trucks, KHD Engines. W-Terminal on Rear.

VALEO ALTERNATORS FOR KHD-DEUTZ TRACTOR ENGINES

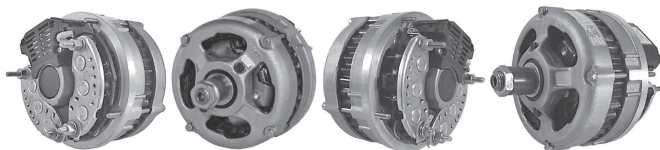


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A13N52 / 281	12	55	-	I / R	-

REPLACE Valeo: 2101822, 2541768; **Paris Rhone**: A13N52,
 A13N281; **Bosch Reman.**: AL21X; **Lucas Electrical**: LRA1356;
Iskra: 11-201-853, AAK2305; **Hatz**: 50374700, 50374701, 50374702;
Porsche: 911-603-120-00; **Pic Book**: 208-142 (Earlier Version),
 208-394, 282-109 (Iskra Replacement); **Lester**: 13208.

APPLICATIONS CASE Rollers 252 with Hatz Diesel 1975.

NOTE This is a Paris Rhone Alternator for KHD / Hatz Engines.
 This Unit Can Replace the Earlier Used Bosch 13025 Externally
 Regulated Used on Porsche 911.

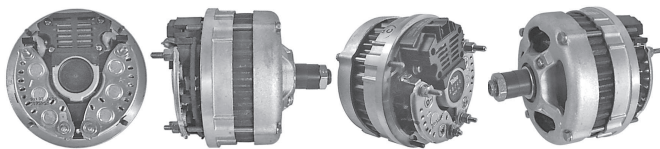


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A13N255	12	60	-	I / R	-

REPLACE Valeo: 592769, 2541133, 2541659; **Paris Rhone**:
 A13N165, A13N255; **Bosch Newman.**: AL5030N; **Iskra**: IA0292,
 11-201-292, AAK2301; **Lucas Electrical**: LRA1456; **KHD**: 117-7328,
 117-9755K2, 118-0660; **Deutz**: 01177327K2, 01177327L2; **Pic Book**:
 208-396 (Earlier Version), 208-397; **Lester**: 12301.

APPLICATIONS DEUTZ Industrial Stationary Engines: FL1011F.

NOTE Paris Rhone Alternator for Deutz Engines and Vermeer 672
 Stump Grinder.

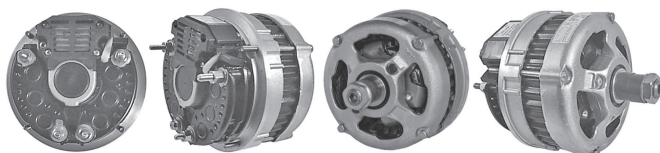


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A13N257	24	40	-	I / R	-

REPLACE Valeo: 439101, 2541661; **Paris Rhone**: A13N257;
Lucas Electrical: LRA2465; **Iskra**: IA0485, 11-201-485, AAK2303;
KHD: 117-8347, 117-9756, 117-9756KZ; **Pic Book**: 208-408, 282-188
 (Iskra Replacement); **Lester**: 12710.

APPLICATIONS DEUTZ Industrial Stationary Engines: FL1011F.

NOTE Paris Rhone Alternator for Deutz Engines. This Unit Should
 Interchange with A13N272.



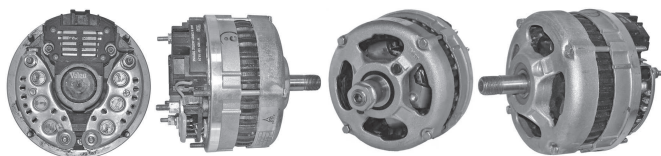
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A13N258	12	80	-	I / R	-

REPLACE Valeo: 541662, 2541662; **Paris Rhone**: A13N258;
KHD: 117-9757; **Pic Book**: 208-407.

APPLICATIONS DEUTZ Industrial Stationary Engines: FL1011F.

NOTE Paris Rhone Alternator for Deutz-KHD Engines.

VALEO ALTERNATORS FOR KHD-DEUTZ TRACTOR ENGINES

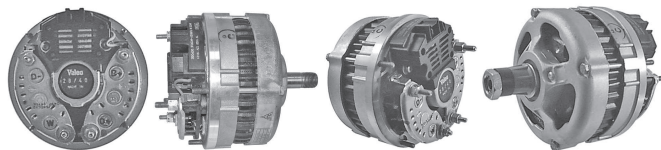


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A13N271	12	60	-	I / R	-

REPLACE Valeo: 439190, 2541707A; Paris Rhone: A13N271; Bosch Newman.: AL5031N; Lucas Electrical: LRA1835; Iskra: IA0292, 11-201-292, AAK2301; Deutz: 01180648KZ; KHD: 117-9897, 118-0648, 118-0660, 118-2105, 118-2434; Volvo: VOE9002290653; Pic Book: 208-395; Lester: 12710.

APPLICATIONS DEUTZ Industrial Stationary Engines: FL1011F.

NOTE Paris Rhone Alternator for Deutz Stationary Engine. This Unit Should Interchange with A13N255.

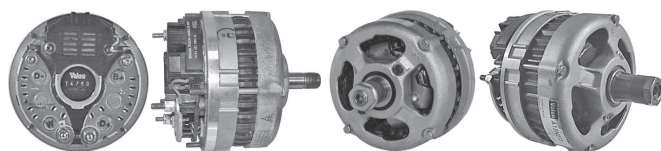


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A13N272	24	40	-	I / R	-

REPLACE Valeo: 439191, 2541708A; Paris Rhone: A13N272; Lucas Electrical: LRA2465; Iskra: IA0485, 11-201-485, AAK2303; KHD: 117-9898, 118-0650, 118-0650KZ; Pic Book: 208-412, 282-188 (Iskra Replacement); Lester: 12710.

APPLICATIONS DEUTZ Industrial Stationary Engines: FL1011F.

NOTE Paris Rhone Alternator for Deutz Engines. This Unit Should Interchange with A13N257.



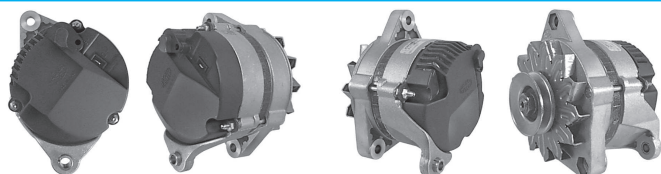
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A13N273	12	80	-	I / R	-

REPLACE Valeo: 439192, 2541709A; Paris Rhone: A13N272; Lucas Electrical: LRA3118; Iskra: IA0484, 11-201-484, AAK2302; KHD: 117-9896, 118-0649, 118-0649KZ; Volvo: VOE9002904893; Pic Book: 208-414, 282-534 (Iskra Replacement); Lester: 12713.

APPLICATIONS DEUTZ Industrial Stationary Engines: FL1011F.

NOTE Paris Rhone Alternator for Deutz Engine and Volvo BM L30B, L35B Construction Equipment.

MARELLI ALTERNATORS FOR LAMBORGHINI-SAME TRACTORS



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A913	12	55	-	I / R	1-V

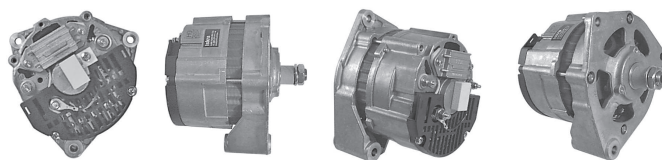
REPLACE Marelli: 633 009 00, 01, 20; 633 051 01, 31; 633 054 01, 31; 633 071 01, 25, 31; 633 074 01, 31; 633 200 04, 05, 06, 28, 47; 633 201 30; 633 210 02, 03, 06, 58; MAN344; 633 211 54; Fiat: 4395131, 4434084, 5967595, 5967596, 7552459, 7702247, 77320410, 77145410, 77250410, 77367410, 77367411; Lucas Reman.: A0913; Iskra: IA0037, IA0336, IA9430, 11-201-037, AAG1104; Pic Book: 202-112, 282-300 (Iskra 33 Amp. Replacement); Lester: 12030.

APPLICATIONS LAMBORGHINI (SAME / DEUTZ-FAHR) Tractors: 1000 Series, 1156DT (105.6P) 6.2L 1981-1984, 1256DT (1056PP) 6.2L 1978-1981, 1356DT (H1106-12) 6.8L 1980-1984, 1556 (H1106-15) 6.8L 1981-1984, 235DT-S2RM (982L) 1973, 483N-L (983L) 1985-1986, 583N-L-S (983P) 1983-1986, 653DT (105.3P) 3.1L 1979-1985, 654DT (984P-Same) 3.6L 1977-1981, 683L,N (105.3P) 3.1L 1983-1986, 684DT (984P) 3.6L 1982-1985, 754DT (984P-Same) 3.6L 1976-1982, 784DT (1054P) 4.2L 1980-1985, C362 (982L), C553 1985-1986, C554 Compact / Ergomatic (100.3P) 2.8L 1987, C653 1985-1986, R1056DT (986-3) 1977-1981, R483 (983L) 1985, R513DT/V (983L), R583 (100-3P) 1983, R613 DT/F (105.3P) 1982, R654R/DT, R683 DT/2RM (105.3P), R684F (984P), R714DT/2RM (100.4P) 1982, R724F (100.4P) 1982-1986, R754 (105.4P) 1982-1985, R765C 1982-1985, R845DT2RM (105.4P) 1976-1985.

NOTE Marelli AA125R Type Alternator for Heston, John Deere, Lamborghini Tractors. This is the Marelli Version of the Bosch 12029, Which Will Interchange.



BOSCH ALTERNATORS FOR LIEBHERR EXCAVATORS

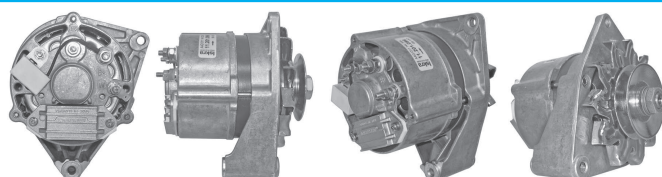


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A12217	24	27	-	I / R	-

REPLACE Bosch: 0-120-489-023, 0-120-489-730;
Iskra: IA0574, 11-201-574, AAK1352; **Lucas Electrical:** LRA2778;
Marelli: MAR902, 9433 577 65; **Case:** 3218884EX, 3218884R91;
Faun: 1702114; **Hatz:** 50366600; **International:** 3218884R91;
Iveco: 42498157; **KHD:** 117-2650; **Liebherr:** 6201367; **MAN:**
 81-26101-6012; **Mercedes:** 006-154-1702; **Steyr:** 610-00-09-0073;
Volvo: 6209191; **Pic Book:** 220-369, 282-108 (Iskra Replacement);
Lester: 12217.

APPLICATIONS LIEBHERR Excavators: R961 F6L413 Deutz 1981-1988, R971 F8L413 Deutz 1981-1987.

NOTE Bosch Alternator for Atlas Excavators, Atlas Copco, Deutz Engines, Liebherr Excavators with KHD-Deutz Engines. This Unit is Similar to the Bosch A12031.



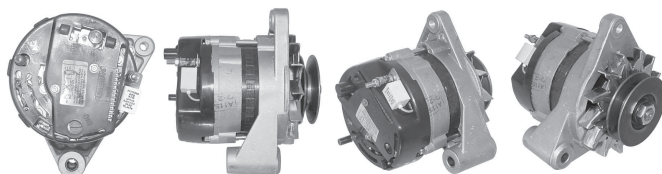
PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A14949	12	33	-	I / R	1-V

REPLACE Bosch: 0-120-339-514, 0-120-339-531;
Bosch Reman.: AL905X; **Iskra:** IA0096, 11-201-096, AAG1311;
Lucas Electrical: LRA584; **KHD:** 116-3752, 117-1638, 291-3096;
Case: 3218239EX, 3218239R91; **International:** 3218239-R91,
 3144924-R91; **Pic Book:** 220-188, 220-188A, 282-156 (Iskra Replacement); **Lester:** 14949.

APPLICATIONS LIEBHERR Excavators: R981 with F6L913 Deutz Engine 1980-1988.

NOTE Bosch Alternator for Allis Chalmers, Case Tractors, IHC Combines, KHD Tractors, Liebherr Excavators. This is the Internally Regulated Version of the 14948.

LUCAS-TVS ALTERNATORS FOR MAHINDRA TRACTORS

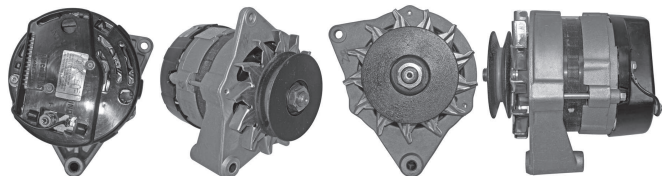


PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A280342	12	36	-	I / R	1-V

REPLACE Lucas TVS: 229 211 68A, 260 212 76, 260 212 78;
Mahindra: 00-400-1-C01, 00-555-775-4-R91; **Pic Book:** 280-342;
Lester: 8826.

APPLICATIONS MAHINDRA Farm Tractors with KHD F10L413F Engine.

NOTE Lucas-TVS A115 Type Alternator for Mahindra Tractors. Made in India.



PART NUMBER	V	AMP.	PLUG	REG.	PULLEY
A280314D	12	36	-	I / R	1-V

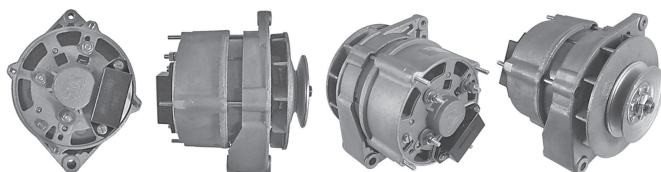
REPLACE Lucas TVS: 260 212 68; **Pic Book:** 280-314D.

APPLICATIONS MAHINDRA Farm Tractors with KHD F10L413F Engine.

NOTE Lucas-TVS A115 Type Alternator for Mahindra Tractors. Made in India.



BOSCH ALTERNATORS FOR KOMATSU CRAWLERS

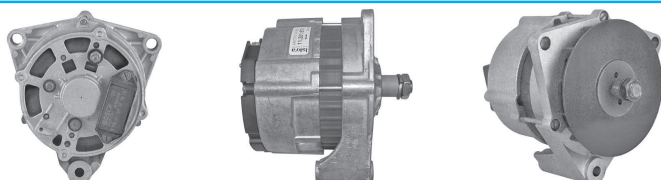


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A1089	24	45	-	I/R	1-V Solid

REPLACE Bosch: 0-120-488-206, -294, 0-120-489-481;
Bosch Reman.: AL9940X, AL9948X; **Case:** A186124, A186153,
 AR187916, P941518P, P941542; **Cummins:** 3020678, 3284392,
 3604479RX, 3675275NW, 3911247, 3920678; **JCB:** 714/31500;
John Deere: AL12148, AT161324, TY24322, TY6774; **Iskra:** IA0759,
 11-201-759, AAK1387; **Prestolite:** 20130211; **Pic Book:** 220-199,
 220-378, 282-224 (Iskra Replacement); **Lester:** 12147, 12148.

APPLICATIONS KOMATSU Crawlers: D41A 6D102 Engine
 1995, D41E 6D102 Engine 1995, D41P 6D102 Engine 1995.

NOTE Bosch Alternator for Case, John Deere, Komatsu, Onan.
 The Later Version of This Unit is F-005-A00-003 (Lester 12440) with
 8-Groove Pulley.



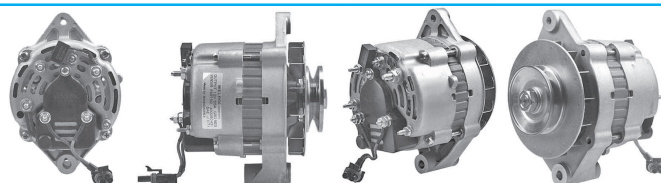
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A14391	12	65	-	I/R	-

REPLACE Bosch: 0-120-489-032, 0-120-489-315, 9-120-080-113,
 9-120-080-158, 9-120-080-182; **Bosch Reman.:** AL926X; **Iskra:**
 IA0097, 11-201-097, AAK1130; **Cummins:** 3-353-590; **DAF:** 679445;
MAN: 51-26101-7157, 51-26101-7186; **Mercedes:** 005-154-52-02,
 006-154-24-02, 007-154-23-02; 343-154-71-50, 344-154-76-01;
Pic Book: 220-355, 220-355A, 282-157 (Iskra Replacement);
Lester: 14391.

APPLICATIONS KOMATSU Crawlers: D30E with Mercedes
 OM352 Engine 1985-1993.

NOTE Bosch Alternator for Komatsu Crawlers, Mercedes Trucks.

MANDO ALTERNATORS FOR KUBOTA APPLICATIONS

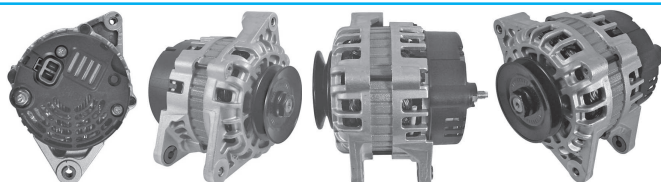


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12175	12	55	-	I/R	1-V Solid

REPLACE Mando: A000B0431, AC155513, AR150CA, AR150DA;
Bobcat: 6632211, 6661611; **Yamaha:** 10140010; **Pic Book:** 293-12,
 293-19; **Lester:** 12175, 12425.

APPLICATIONS Bobcat Articulated Loaders: 1600 Kubota
 V1702 Diesel 1986-1993; Compact Excavators with Kubota Diesel:
 220 D750, 225 D1402 Diesel, 231 D1902 1990-1998, 325C D1703EB,
 325D D1703B, 331 / 331EB V22003EB, 331C V22003B, 337D
 V2003TEB; Skid Steer Loaders with Kubota Diesel: 543 / 543B
 D950B, 553 / 553F D1005B, 643 D1402BA, 743 / B / DS V1702BA,
 753 / 753G V1903EB, 753C / 753F / 753H / 753HC C2203EB, 763 /
 C / F / G / HC / HF V2203EB, 773 / C / F / G V2203EB, 7753
 V2203EB; Bobcat Trenchers: 3023 Kubota V1702 Diesel; KUBOTA
 Engines: V2203 2.2L Diesel 1990-On.

NOTE Mando Alternator for Bobcat / Kubota Applications.
 This Alternator Uses a Single V-Groove Pulley, 1/2" Belt. Molded
 Plug on the End of the Regulator.



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12390N	12	90	-	I/R	1-V Solid

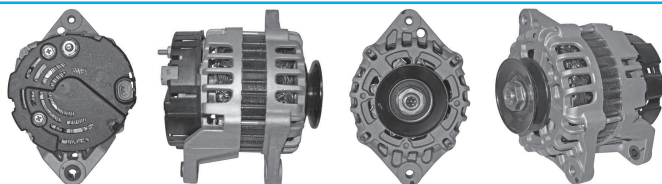
REPLACE Valeo: TA000A48401, TA000A48402;
Mando: 66785292; **Bobcat:** 6675292, 6678205; **Pic Book:** 208-380;
Lester: 12390.

APPLICATIONS BOBCAT Skid Steer Loaders: S185 with
 V2203TEB Kubota Diesel, S250 with Kubota V3300DI Turbo Diesel
 2002-2003.

NOTE Valeo / Mando Alternator for Bobcat Skid Steer Loaders with
 Kubota Diesel Engines and Compact Track Loader with Deutz Diesel
 Engine. This Alternator Uses a Single V-Groove Pulley.



MANDO ALTERNATORS FOR KUBOTA APPLICATIONS



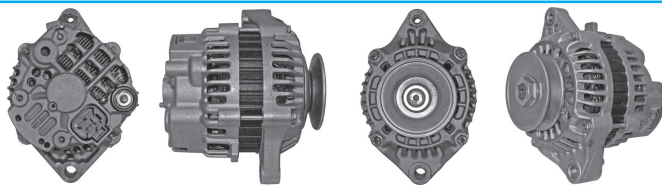
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A655302	12	80	L-D	I/R	1-V Solid

REPLACE Valeo: A0002655302, 2655302, 425303;
Bobcat: 6678560; Pic Book: 208-989.

APPLICATIONS Bobcat Skid Steer Loaders with Kubota Diesel Engines.

NOTE Valeo Alternator for Bobcat Skid Steer Loaders with Kubota Diesel Engines and Compact Track Loader with Deutz Diesel Engine. This Alternator Uses a Single V-Groove Pulley.

MITSUBISHI ALTERNATORS FOR KUBOTA APPLICATIONS

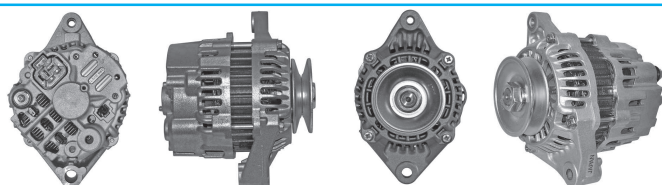


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12318N	12	60	L-R	I/R	1-V Groove

REPLACE Mitsubishi: A7TA1777; Kubota: 1C011-64010, 1C011-64011; Pic Book: 203-171; Lester: 12318.

APPLICATIONS KUBOTA Utility Tractors: M6800HDC Kubota V3300E 68HP Diesel 2001-2005, M8200HD-F Kubota V3300 82HP Diesel 1998-2005, M8200HDC Kubota V3300 82HP Diesel 1998-2005, M9000HD-F Kubota V3300 90HP Diesel 2002-2009, M9000HDC Kubota V3300 90HP Diesel 2002-2009, M9000HDL Kubota V3300 90HP Diesel 2002-2009; THOMAS EQUIPMENT Skid Steers: 225 Kubota V3300T Diesel, 245 Kubota V3300T Diesel.

NOTE Mitsubishi Alternator for Kubota Tractors and Thomas Skid Steers with Kubota 3.3L Diesel Engine. "L-R" T-Shaped Plug. This Unit Interchanges with Mitsubishi A1TA3677 (Lester 12364).



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12363N	12	45	L-R	I/R	1-V Groove

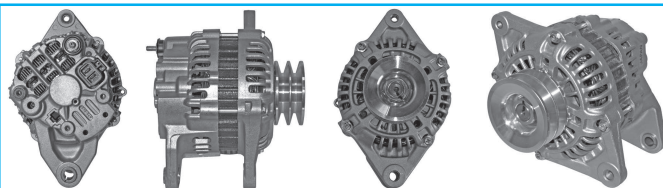
REPLACE Mitsubishi: A7TA1677; Kubota: 1C010-64010, 1C010-64011; Pic Book: 203-137; Lester: 12363.

APPLICATIONS KUBOTA Utility Tractors: M6800 Kubota V3300E 68HP Dsl 1998-2005, M6800DT Kubota V3300E 68HP Dsl 1998-2004, M6800HD-F Kubota V3300E 68HP Dsl 2001-2005, M6800S Kubota V3300E 68HP Dsl 1998-2005, M6800S-F Kubota V3300E 68HP Dsl 1998-2005, M6800SC Kubota V3300E 68HP Dsl 1999-2004, M6800SD-F Kubota V3300E 68HP Dsl 1998-2005, M6800SDC Kubota V3300E 68HP Dsl 2000-2004, M6800SDT Kubota V3300E 68HP Dsl 1998-2005, M8200 Kubota V3300 82HP Dsl 1998-2005, M8200C Kubota V3300 82HP Dsl 1998-2005, M8200CCS Kubota V3300 82HP Dsl 1998-2005, M8200DT-F Kubota V3300 82HP Dsl 1998-2005, M8200DTC Kubota V3300 82HP Dsl 1999-2005, M8200F Kubota V3300 82HP Dsl 1998-2004, M8200SDNB Kubota V3300 82HP Dsl 2000-2005, M8200SDNBC Kubota V3300 82HP Dsl 2000-2005, M8200SDNBF Kubota V3300 82HP Dsl 2000-2005, M9000 Kubota V3300 90HP Dsl 1999-2009, M9000C Kubota V3300 90HP Dsl 1999-2009, M9000DT-F Kubota V3300 90HP Dsl 1999-2009, M9000DTC Kubota V3300 90HP Dsl 1999-2009, M9000DTCCS Kubota V3300 90HP Dsl 2000-2009, M9000DTL Kubota V3300 90HP Dsl 1999-2009, M9000DTL-F Kubota V3300 90HP Dsl 1999-2009, M9000DTM Kubota V3300 90HP Dsl 2000-2009, M9000DTMC Kubota V3300 90HP Dsl 2001-2009, M9000DTMCW Kubota V3300 90HP Dsl 2001-2009, M9000DTMW Kubota V3300 90HP Dsl 2001-2009, M9000F Kubota V3300 90HP Dsl 1999-2009.

NOTE Mitsubishi Alternator for Kubota Tractors with Kubota V3300E 68HP Diesel Engine. "L-R" T-Shaped Plug. 1-V Pulley 72 mm OD, 13 mm Belt Width.



MITSUBISHI ALTERNATORS FOR KUBOTA APPLICATIONS



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12430N	12	80	L-S	I/R	2-V Groove

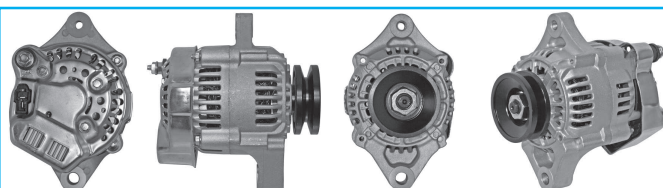


REPLACE Mitsubishi: A5TA7899; Kubota: 3M760-64010, 3M760-64011; Pic Book: 203-179; Lester: 12430.

APPLICATIONS KUBOTA Utility Tractors: M110DT Kubota F5802 110HP Diesel 1999-2004, M120DT Kubota F5802 120HP Diesel 1999-2003, M120DTC Kubota F5802 120HP Diesel 1999-2003, M120FC Kubota F5802 120HP Diesel 1999-2003, M125X Kubota F5802 125HP Diesel 2003-2009.

NOTE Mitsubishi Alternator for Kubota Utility Tractors with Kubota 5 Cyl. Diesel Engine. "L-S" Oval Brown Plug. 2-V Pulley.

NIPPONDENSO ALTERNATORS FOR KUBOTA APPLICATIONS



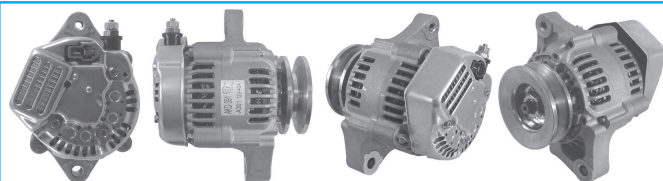
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12179N	12	40	IG-L	I/R	1-V



REPLACE Nippondenso: 100211-1670; Lucas Electrical: LRA1560; Kubota: 16231-24011, 16211-64010, 16241-64011, 16241-64012; Pic Book: 290-199A; Lester: 12179.

APPLICATIONS KUBOTA Excavators: KX41 Kubota D1105BH 22HP Dsl 1992, KX41-2 Kubota D1105BH 21.6HP Dsl 1995, KX41-2S Kubota D1105BH 21.6HP Dsl, KX41-2SV Kubota D1105BH 21.6HP Dsl 2000, KX41-3 Kubota D902EBH 17HP Diesel 2005, KX61-2 Kubota D1105BH 27HP Dsl 1995, KX61-2S Kubota D1105BH 27HP Dsl 1995, KX71H Kubota V1505BH 32.2HP Dsl 2003, KX91-2 Kubota V1505BH 27.5HP Dsl 1995, KX91-2S Kubota V1505EBH 27.5HP Dsl 2000; Loaders: R310 Kubota V1305 26.6HP Dsl 1989; Compact Tractors: B21TL Kubota D1005 21HP Dsl 2001-2009, B21TLB Kubota D1005 21HP Diesel 2001-2009, B26 Kubota D1105-E2-UV 2005-2009, B7500HSD Kubota D1005-E 21HP Diesel 1996, B7510DT-F Kubota D1005-E 21HP Dsl 2004-2007, B7510DT-R Kubota D1005-E 21HP Dsl 2004-2007, B7510DTN-R Kubota D1005-E 21HP Dsl 2004-2007, B7510HSD-F Kubota D1005-E 21HP Dsl 2004-2007, B7510HSD-R Kubota D1005-E 21HP Dsl 2004-2007, B7610HSD-F Kubota D1105-E 24HP Dsl 2004-2007, B7610HSD-R Kubota D1105-E 24HP Dsl 2004-2007; Front Mowers: F2260-R Kubota D1005-EFM 22HP Dsl, F2400 Kubota D1105-FM 24HP Diesel, F2560-E Kubota D1105-EFM 25HP Dsl, F2560-R Kubota D1105-EFM 25HP Dsl, F2880 Kubota 28HP Diesel 2006, F2880E Kubota 28HP Diesel 2006, F3060-R Kubota V1305-FM 30HP Diesel, F3680 Kubota 36HP Diesel 2006, FZ2100 Kubota D905-FZ 21HP Diesel, FZ2400 Kubota D1105-F 24HP Diesel.

NOTE Nippondenso Alternator for Kubota, Toyota Lift Trucks. 1-Groove Pulley 69 mm OD, 15 mm ID, "IG-L" T-Shaped Plug, Vertical B+ Terminal 6 mm x 1.0.



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12180N	12	40	IG-L	I/R	1-V



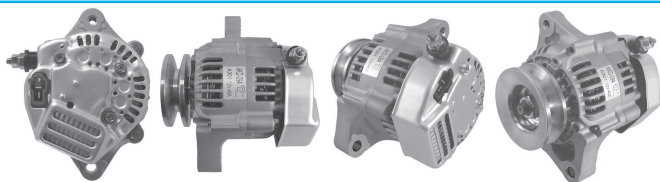
REPLACE Nippondenso: 100211-1660, 100211-1661, -1662; Lucas Electrical: LRA2615; Hyster: 3049491; KHD: 0441-2972; Towmotor: 213534; Toyota: 27060-78001, 27060-78001-71; Pic Book: 290-209; Lester: 12180.

APPLICATIONS KUBOTA Industrial Equipment with V1502 Engine 1986.

NOTE Nippondenso Alternator for Kubota, Toyota Lift Trucks. 1-Groove Pulley 69 mm OD, 15 mm ID.



NIPPONDENSO ALTERNATORS FOR KUBOTA APPLICATIONS



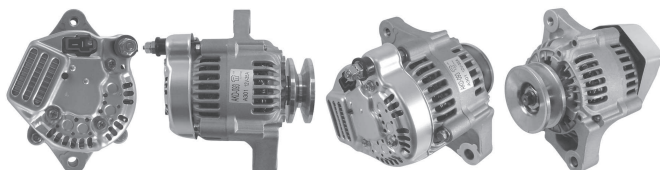
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12189N	12	40	IG-L	I / R	1-V



REPLACE Nippondenso: 100211-1610, 100211-1630, -1640, 100211-1650, 100211-1680, 100211-4690, 101211-2480; **Nippondenso Reman.:** 9760211-163, 9760218-163; **Lucas Electrical:** LRA2616; **Daihatsu:** 27060-87201; **Ford / New Holland:** SBA18504-6220; **Ishikawajima:** 18504-6220; **Kubota:** 15881-64200, 15881-64201; **Pic Book:** 290-198, 290-198B, 290-439; **Lester:** 12189.

APPLICATIONS KUBOTA Industrial with A28 Engine 1986.

NOTE Nippondenso Alternator for Ford / New Holland Tractors with Shibaura Diesel, Kubota, Thermo King Equipment. "IG-L" T-Shaped Plug, 1-Groove Pulley 69 mm OD, 15 mm ID.



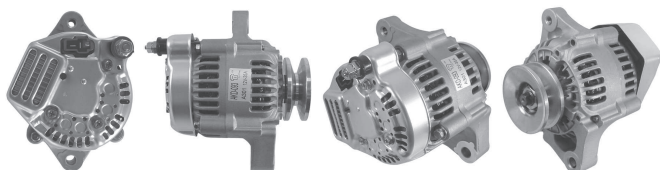
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12190N	12	30	IG-L	I / R	1-V



REPLACE Nippondenso: 100211-4520, 100211-4740; **Case:** 125564A1; **Lucas Electrical:** LRA1560; **Kubota:** 16231-64010, 16231-64011, 16231-64012, 66436-64011, 66436-64012; **Thermo King:** 5D36221G01; **Pic Book:** 290-199, 290-199B; **Lester:** 12190.

APPLICATIONS KUBOTA Industrial Loaders: R310 Kubota V1305 26.6HP Diesel 1989; Equipment D1005 Engine 1988; Tractors - Garden: G2160 Kubota D782 21HP Diesel 2005, G2160-R48S Kubota D782 21HP Diesel 2005, G2460G Kubota WG752 24HP Gas 2005; Tractors - Lawn: TG1860 Kubota D722E-GX 18HP Diesel, TG1860G WG590V 18HP Gas.

NOTE Nippondenso Alternator for Kubota Industrial Equipment. 1-Groove Pulley 62 mm OD, 15 mm ID. "IG-L" T-Shaped Plug, Vertical B+ Terminal 6 mm x 1.0.



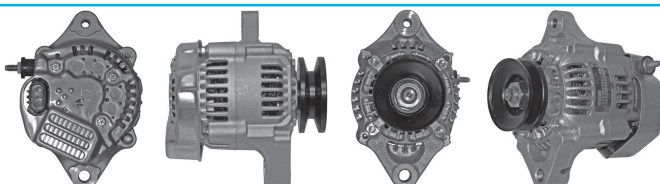
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12198N	12	40	IG-L	I / R	1-V



REPLACE Nippondenso: 100211-4640; **Lucas Electrical:** LRA1560; **Kubota:** 16705-64011, 16705-64012; **Pic Book:** 290-199, 290-199B; **Lester:** 12190.

APPLICATIONS KUBOTA Compact Tractors: L2650DT Kubota D1402DIAE 29HP Diesel 1990-1996, L2650F Kubota D1402DIAE 29HP Dsl 1991-1993, L2650GST Kubota D1402DIAE 29HP Dsl 1991-1993, L2950DT Kubota D1462DIAE 30HP Diesel 1991-1993, L2950DTGST Kubota D1462DIAE 30HP Dsl 1991-1993, L2950F Kubota D1462DIAE 30HP Diesel 1991-1993, L2950GST Kubota D1462DIAE 30HP Diesel 1991-1993, L3450DTGST Kubota V1902DIAE 36.7HP Dsl 1990-1993, L3450F Kubota V1902DIAE 36.7HP Dsl 1991-1993, L3450GST Kubota V1902DIAE 36.7HP Diesel 1990-1993, L3650DT Kubota V1902DIXA 40.5HP Diesel 1991-1993, L3650DTGST Kubota V1902DIXA 40.5HP Diesel 1991-1993, L3650DTW Kubota V1902DIXA 40.5HP Diesel 1990-1993, L3650F Kubota V1902DIXA 40.5HP Diesel 1991-1993, L3650GST Kubota V1902DIXA 40.5HP Diesel 1990-1993.

NOTE Nippondenso Alternator for Kubota Engines. 1-Groove Pulley 62 mm OD, 15 mm ID. "IG-L" T-Shaped Plug. May Interchange with the Nippondenso 100211-4390 (Lester 12207) and A12190.



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12202N	12	40	-	I / R	1-V



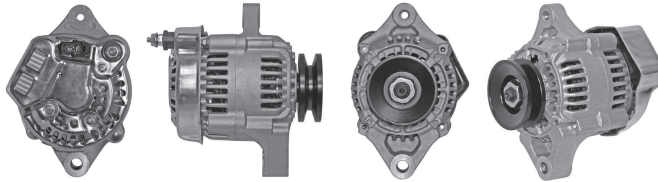
REPLACE Nippondenso: 100211-4730; **Nippondenso Reman.:** 9760218-473; **Lucas Electrical:** LRA2208; **Kubota:** 16678-64011, 16678-64012; **Pic Book:** 290-175; **Lester:** 12202.

APPLICATIONS BOBCAT Wheel Tractor B200 with Kubota D1105 Turbo 2002-2003, KUBOTA Industrial Equipment with V1505-B Engine 1992, STEINER Tractor 230 Kubota 28HP Diesel.

NOTE Nippondenso Alternator for Bobcat Wheel Tractor with Kubota D1105 Engine, Kubota V1505 Engine, Steiner Tractors.



NIPPONDENSO ALTERNATORS FOR KUBOTA APPLICATIONS



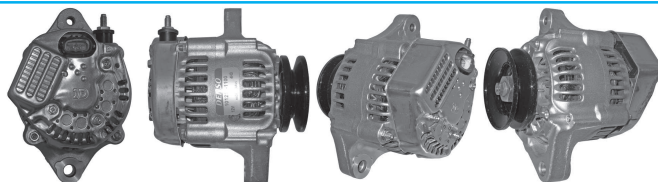
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12199N	12	45	IG-L	I/R	1-V



REPLACE Nippondenso: 100211-4650; Lucas Electrical: LRA1560; Kubota: 34070-75600, 34070-75601, 34070-75602; Toro: 98-9474; Pic Book: 290-193; Lester: 12199.

APPLICATIONS KUBOTA Excavators: KX121-2 Kubota V2203BH 42.6HP Dsl 1995, KX121-2S Kubota V2203EBH 42.6HP Dsl 2000, KX161-2 Kubota V2203BH 42.6HP Dsl 1995, KX161-2S Kubota V2203EBH 42.6HP Dsl 2000; Compact Tractors: B1550DT Kubota D850-5B 17HP Dsl 1988-1996, B1550DTEX Kubota D850-5B 17HP Dsl 1988-1996, B1550HSD Kubota D850-5B 17HP Dsl 1988-1997, B1550HSDT Kubota D850-5B 17HP Dsl 1988-1997, B1550HSE Kubota D850-5B 17HP Dsl 1988-1996, B1750DT Kubota D950-5B 20HP Dsl 1988-1996, B1750E Kubota D950-5B 20HP Dsl 1988-1996, B1750HSD Kubota D950-5B 20HP Dsl 1988-1996, B1750HSDT Kubota D950-5B 20HP Diesel 1988-1996, B1750HSE Kubota D950-5B 20HP Diesel 1988-1996, B2150DT Kubota V1200-5B 24HP Diesel 1988-1996, B2150DTB Kubota V1200-5B 24HP Diesel 1988-1996, B2150E Kubota V1200-5B 24HP Diesel 1988-1996, B2150HSD Kubota V1200-5B 24HP Diesel 1988-1998, B2150HSDT Kubota V1200-5B 24HP Dsl 1988-1998, B2150HSDTB Kubota V1200-5B 24HP Diesel 1988-1998, B2150HSE Kubota V1200-5B 24HP Diesel 1988-1996, B2400HST-D Kubota D1105-D10 24HP Dsl 1995-1998, B2410HSD Kubota D1105-D10 24HP Diesel 1995-1998, L2900DT Kubota D1503LA 32HP Diesel 1994-1998, L2900DTGST Kubota D1503LA 32HP Dsl 1994-1998, L2900F Kubota D1503LA 32HP Dsl 1994-1998, L2900GST Kubota D1503LA 32HP Dsl 1994-1998, L3010DT Kubota D1503LAN 32HP Diesel 1998-2002, L3010F Kubota D1503LAN 32HP Diesel 1998-2002, L3010GST Kubota D1503LAN 32HP Dsl 1998-2002, L3010HST Kubota D1503LAN 32HP Dsl 1998-2002, L3300DT Kubota D1703-A 35HP Diesel 1994-1998, L3300DTGST Kubota D1703-A 35HP Diesel 1994-1998, L3300F Kubota D1703-A 35HP Diesel 1994-1998, L3300GST Kubota D1703-A 35HP Diesel 1994-1998, L3410DT Kubota D1703A 35.1HP Diesel 1998-2002, L3410GST Kubota D1703A 35.1HP Dsl 1998-2002, L3410HST Kubota D1703A 35.1HP Dsl 1998-2002, L35TL Kubota D1703TLB 35HP Diesel 1996, L35TLB Kubota D1703TLB 35HP Diesel 1996, L3600DT Kubota V1903A 39HP Dsl 1994-1998, L3710GST Kubota V1903AN 38.5HP Dsl 1998-2002, L3710HST Kubota V1903AN 38.5HP Diesel 1998-2002, L4200DT Kubota V2203A 45HP Dsl 1994-1998, L4200GSTCA Kubota V2203A 45HP Dsl 1994-1998, L4310DT Kubota V2203AN 45.3HP Dsl 1998-2002, L4310F Kubota V2203AN 45.3HP Diesel 1998-2002, L4310GST Kubota V2203AN 45.3HP Dsl 1998-2002, L4310HST Kubota V2203AN 45.3HP Diesel 1998-2002, L4610GST Kubota V2203EHA 48.3HP Diesel 2001-2002, L4610HST Kubota V2203EHA 48.3HP Diesel 2001-2002, L48TL Kubota V2403 48HP Diesel 1996-2009, L48TLB Kubota V2403 48HP Diesel 1996-2009.

NOTE Nippondenso Alternator for Boss, Case Trenchers, Gehl Skid Steers, Kubota Utility Tractors, Thomas Skid Steers and Toro Equipment. 1-Groove Pulley 69mm OD x 15 mm ID x 12.5 mm Wide. "IG-L" T-Shaped Plug, B+ Terminal Post 6 mm x 1.0. May Interchange with the A12198N or the A12179.



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12337N	12	40	-	I/R	1-V



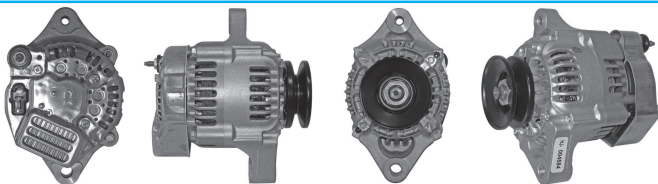
REPLACE Nippondenso: 101211-1100; Lucas Electrical: LRA2008; Pic Book: 290-448; Lester: 12337.

APPLICATIONS BOBCAT Compact Excavators: 320 Kubota D750 Diesel 1993-1999; Skid Steer Loaders: 453C Kubota D750B Diesel 1994-1998, 553 Kubota D1005B Diesel 1995-2000, 553F Kubota D1005B Diesel 1995-2000.

NOTE Nippondenso Alternator for Bobcat Excavators and Skid Steer Loaders with Kubota Diesel Engines. 1-Groove Pulley, B+ Terminal Post 6 mm x 1.0.



NIPPONDENSO ALTERNATORS FOR KUBOTA APPLICATIONS



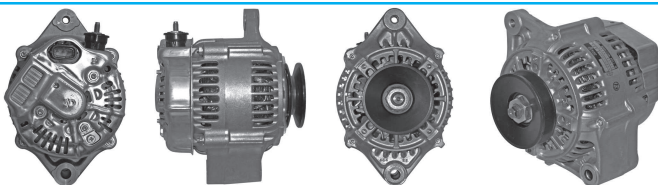
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12339N	12	40	IG-L	I / R	1-V



REPLACE Nippondenso: 101211-1180; Nippondenso Reman.: 9761219-118; Kubota: 3A011-74010, 3A011-74011, 3A011-74012, 3A011-74013; Pic Book: 290-5165; Lester: 12339.

APPLICATIONS KUBOTA Utility Tractors: M4700DT Kubota F2803ELA 51HP Dsl 1995-1997, M4700F Kubota F2803ELA 51HP Dsl 1995-1997, M4700S Kubota F2803ELA 51HP Diesel 1996-1998, M4700SD Kubota F2803ELA 51HP Dsl 1996-1998, M4800SU Kubota V2403MEA 50HP Dsl 2002-2009, M4800SUD Kubota V2403MEA 50HP Dsl 2002-2009, M4900 Kubota F2803 49.5HP Dsl 2001-2006, M4900C Kubota F2803 49.5HP Dsl 2001-2006, M4900DT Kubota F2803 49.5HP Dsl 2001-2006, M4900DTC Kubota F2803 49.5HP Diesel 2001-2006, M4900F Kubota F2803 49.5HP Diesel 2001-2006, M4900SC Kubota F2803 49.5HP Dsl 2001-2006, M4900SCS-F Kubota F2803 49.5HP Dsl 2001-2006, M4900SD-F Kubota F2803 49.5HP Diesel 2001-2006, M4900SDC Kubota F2803 49.5HP Dsl 2001-2006, M4900SU-F Kubota F2803 49.5HP Dsl 2001-2006, M4900SU-R Kubota F2803 49.5HP Dsl 2001-2006, M4900SUD-F Kubota F2803 49.5HP Diesel 2001-2006, M4900SUD-R Kubota F2803 49.5HP Dsl 2001-2006, M5400DT Kubota F2803A 58HP Dsl 1995-1997, M5400F Kubota F2803A 58HP Dsl 1995-1997, M5400S Kubota F2803A 58HP Dsl 1995-1997, M5400SD Kubota F2803A 58HP Diesel 1995-1997, M5700 Kubota F2803-EA 57HP Diesel 2001-2006, M5700C Kubota F2803-EA 57HP Diesel 2001-2006, M5700DT Kubota F2803-EA 57HP Dsl 2001-2006, M5700DT-N Kubota F2803-EA 57HP Dsl 2001-2006, M5700DTC Kubota F2803-EA 57HP Diesel 2001-2006, M5700HD-F Kubota F2803-EA 57HP Dsl 2001-2006, Kubota F2803-EA 57HP Diesel 2001-2006, M5700S-F Kubota F2803-EA 57HP Diesel, M5700SC Kubota F2803-EA 57HP Diesel, M5700SD-F Kubota F2803-EA 57HP Diesel, M5700SDC Kubota F2803-EA 57HP Diesel, M5700SDN-F Kubota F2803-EA 57HP Diesel 2001-2006.

NOTE Nippondenso Alternator for Kubota Utility Tractors with 2.8L Diesel Engine. 1-Groove Pulley, "IG-L" T-Shaped Plug, B+ Terminal 6 mm x 1.0. The A12339 and Lester 12338 are Virtually Identical and Share All the Same Major Components. They Should Interchange.



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12777N	12	90	P-IG-L	I / R	1-V

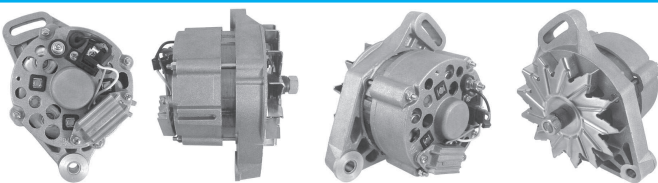


REPLACE Nippondenso: 101211-0690, 101211-4280, 102211-1440; Kubota: 19260-64011, 19260-64012, 19279-64010, 19279-64011, 19279-64012; Pic Book: 290-5480; Lester: 12777.

APPLICATIONS KUBOTA Utility Tractors.

NOTE Nippondenso Alternator for Kubota Utility Tractors. 1-Groove Pulley, "P-IG-L" Plug, B+ Terminal Post 6 mm x 1.0.

ELMOT ALTERNATORS FOR MASSEY FERGUSON TRACTORS



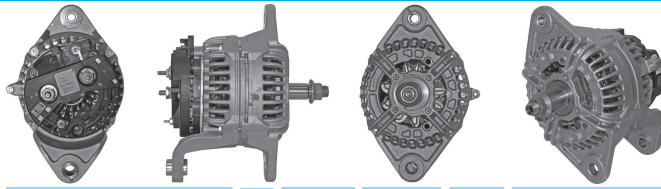
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A2113	12	44	-	E / R	1-V Solid

REPLACE Elmot: 242-000-0, 242-020-0, 336020, A124F-2; Massey Ferguson: 1075-447-M91, 7003-559-M1; Marelli: A124-44A; Pic Book: 202-113; Lester: 12369.

APPLICATIONS Massey Ferguson Tractors: MF-231 With Perkins AD2-152 Diesel 1989-1999, MF-261 1992-1998.

NOTE Elmot A124-44 Series Alternator for Massey Ferguson. 1-V Pulley, 1/2" Belt, B-Circuit.

BOSCH ALTERNATORS FOR MASSEY FERGUSON TRACTORS



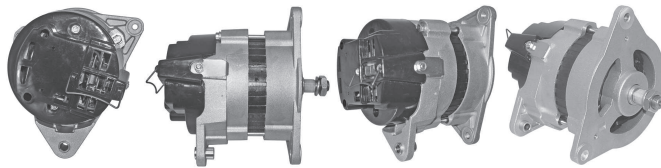
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12490	12	160	-	I/R	-

REPLACE Bosch: 0-124-525-085; Bosch Newman.: AL9960LH; Pic Book: 220-5300; Lester: 12490.

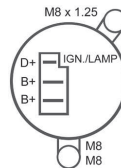
APPLICATIONS MASSEY FERGUSON Combines: MF-8680 Cummins 8.3L 1997-2000, MF-8780 Cummins 8.3L 1997-2000; Farm Tractors: MF-8245 Valment 6-451 Diesel 1999-2000, MF-8260 Valment 6-451 Diesel 1999-2000, MF-8270 Valment 6-513 Diesel 1999-2000, MF-8280 Valment 6-513 Diesel 1999-2000.

NOTE Bosch Alternator for AGCO Allis, AGCO White, Case Farm Tractors, Caterpillar Farm Tractors, Champion Graders, Cummins Engines, Ford / New Holland Tractors, John Deere Skidders, Massey Ferguson Combines and Volvo Heavy Duty Trucks. For 200 Amp. Version of this Unit use 12715, in a Slightly Larger Diameter Case.

LUCAS-MARELLI FOR MASSEY FERGUSON TRACTORS



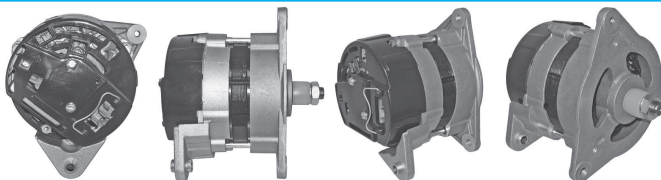
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A103	12	36-43	-	I/R	1-V Solid



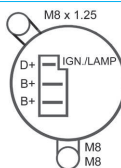
REPLACE Lucas: 23615, 17, 22, 77, 84, 91, 93; 23709, 19, 21, 27, 35A, 37, 51, 59, 65, 66, 71, 79; 23808, 11, 39, 42, 48, 73, 91, 93; 23925, 45, 46; Lucas Reman.: A1812; Lucas Electrical: LRA103, LRA226; Lucas TVS: 260 212 35; Bosch Reman.: AL300X; Iskra Sales: IA0067, IA0301, IA0531; GM: 7982574, 7982652, 7982742; Massey Ferguson: 1096462M91, 1446796M91, 1447109M91, 1903093M91, 1903095M91; Perkins: 2871609, 2871621; Valeo: VA112; Pic Book: 280-111, 282-370 (Iskra); Lester: 14037.

APPLICATIONS MASSEY FERGUSON Combines: MF-520, MF-525 1971-1979, MF-620, MF-625 1971-1972; Massey Ferguson MF-400 Crawler 1972-1977, MF-450 Excavator With Perkins A6-354 Diesel 1971-1972, MF-9500 Lift Truck 1973-198; Loaders: MF-1200 1971-1972, MF-44B Wheel Loader 1971-1977.

NOTE Lucas 16 / 17ACR Type Alternator for Barber Greene, IHC Tractors, JCB Excavators and Massey Ferguson Loaders. This Unit is 43 Amp.; the 36 Amp. Version is the A100.



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A105	12	45	-	I/R	-



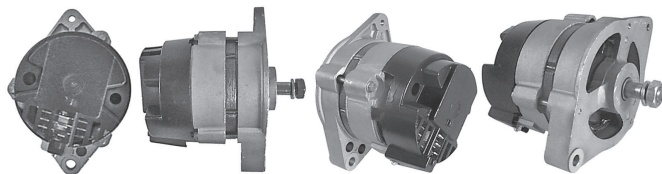
REPLACE 23568, 69, 74, 76, 83, 85, 91, 92; 23600, 08, 09, 11, 16, 18, 19, 24, 26, 31, 32, 39, 44, 45, 46, 52, 53, 54, 55, 56, 57, 59, 63, 65, 73, 75, 82, 83, 92, 96; 23701, 04, 07, 12, 20, 25, 29, 36, 38, 52, 54, 60, 68, 70, 73, 75, 80, 81, 93, 94; 23809, 10, 18, 20, 22, 24, 28, 41, 52, 54, 56, 57; 23905, 06, 12, 13, 21, 22, 23, 26, 27, 28, 47, 48, 49, 50, 61, 63; 24023, 66; 24108, 14, 15, 39, 44; 54021337; Lucas Reman.: A1721, A1819; Lucas Electrical: LRA101, LRA105, LRA113; Bosch Reman.: AL318X; Iskra Sales: IA0301, IA0305; Ford: D1RY-10346-D, GLE-102; Hyster: 3042349; Marelli: MAR478, 9433 564 54; Massey Ferguson: 104900M91, 1446870M91, 1447112M91, 1447217M91, 1903091M91, 1903099M91, 3473639M91; JCB: 714/01600; Perkins: 2871622, 2871A101, 2871A121, 2871A129; Valeo: VA101, VA107; Pic Book: 280-112, 280 -331, 280-331A, 280-331B; Lester: 12073, 14030.

APPLICATIONS Massey Ferguson Farm Tractors: MF-174 Perkins 4-236 Diesel 1986-1990, MF-184 Perkins AD4-236 Diesel 1980-1985, MF-194-4 1979-1992, MF-274-4 Perkins AD4-236 Diesel 1982-1986, MF-294-4 Perkins 6-358 Diesel 1982-1986.

NOTE Lucas A115 / A133 and ACR Type Alternator for British Automobiles and Industrial Engines. This Looks Just Like the A100 / A103, Except the Adjusting Ear is on the Opposite Side.



LUCAS-MARELLI FOR MASSEY FERGUSON TRACTORS

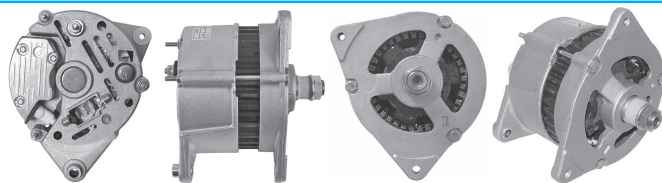


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A361	12	34	-	I/R	1-V Solid

REPLACE Lucas: 23865A, 23880, 24019, 24022, 24087, 24087A/D, 24087B; 24123; NAB302; Lucas Reman.: A1616; Lucas Electrical: LRA181, LRA361; Iskra: IA0095, 11-201-095, AAG1310; Massey Ferguson: 1897264M91, 1676690M91; Perkins: 241233; Pic Book: 280-301, 282-158 (Iskra); Lester: 12038.

APPLICATIONS Massey Ferguson Farm Tractors: MF-240 Perkins AD3-152 Diesel 1983-1999, MF-243 1999-2000, MF-250 Perkins AD2-152 Diesel 1983-1986, MF-253 Perkins AD2-152 Diesel 1988-1999, MF-254 Perkins AD2-152 Diesel 1982-1987, MF-263T 1993, MF-270 Perkins AD4-236 Diesel, MF-290 Perkins AD4-248 Diesel, MF-670 Perkins AD4-236 Diesel, MF-690 Perkins AD4-248 Diesel, MF-698 / MF-698T Perkins AD4-318 Diesel 1983-1986; Massey Ferguson Industrial Tractors: MF-20B Perkins AD3-152 Diesel 1970-1981, ME-20E Perkins Diesel Engines 1983-1986.

NOTE Lucas ACR Type Alternator for Massey Ferguson Tractors. 1-V Pulley, 15 mm ID (1/2" Belt Width).



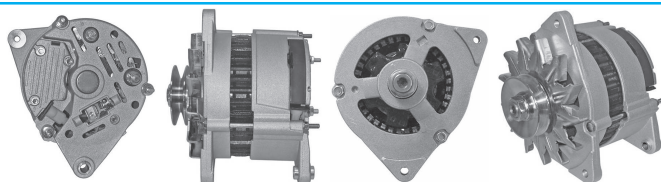
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A461	12	55-65	-	I/R	Various

REPLACE Lucas: 24129, 24157, 24158, 24208, 24277, 24220; 54022053, 54, 96, 97A, 97B; 54022108, 09, 82, 91, 93; 54022211, 12, 18, 19, 26, 29, 42, 44, 55, 62, 63, 77, 80, 82, 95; 54022306, 53, 54; 54022426, 31, 38, 58, 83; 54022580; 54022616, 31; Lucas Reman.: A2514, A2517; Lucas Electrical: LRA460, LRA461; Bosch Reman.: AL5050X; Iskra Sales: IA0707, IA0728, IA0810; Marelli: 633 241 57; 633 242 20, 42, 45; 633 243 18; MAN 102, 118, 131, 161, 192, 665, 705, 750; Case: 92281C1, 92292C1, K311696, K311697, K311698; JCB: 714/12500, 714/12500R, 714/20400; Massey Ferguson: 1447312M91, 1693232M91, 1693233M91, 1897695M91, 1897695R91; Perkins: 2871A141, 2871A147, 2871A148, 2871A154, 2871A163; Prestolite: 66021136; Valeo: VA110, VA140; Pic Book: 280-306, -306A; 282-321 (Iskra); Lester: 12045, 12046.

APPLICATIONS Massey Ferguson Farm Tractors: MF-150 1986-1989, MF-184 Perkins AD4-236 Diesel 1986-1989, MF-194 / MF-194-4 1993, MF-240 Perkins AD3-152 Diesel 1983-1999, MF-243 1999-2000, MF-245 Perkins AD2-152 Diesel 1977-1982, MF-250 Perkins AD2-152 Diesel 1983-1986, MF-253 Perkins AD2-152 Diesel 1988-1999, MF-254 Perkins AD2-152 Diesel 1982-1987, MF-255 Perkins AD4-236 Diesel 1977-1982, MF-260, MF-263T 1993, MF-300 1987, MF-360 Perkins 3-152 Diesel 1986-1992, MF-364 Perkins 3-152 Diesel 1989-1993, MF-365 Perkins 3-152 Diesel 1990-1996, MF-373 1990-1996, MF-374 Perkins 4-236 Diesel 1989-1999, MF-375 Perkins 4-236 Diesel 1986-1998, MF-377 1987-1996, MF-383 Perkins 4-248 Diesel 1986-1989, MF-390 Perkins 4-248 Diesel 1987-1998, MF-390T Perkins 4-236 Diesel 1989-1998, MF-393 Perkins 4-236 Diesel 1992-1998, MF-398 Perkins 4-236 Diesel 1987-1997, MF-399 Perkins 6-354 Diesel 1987-1998, MF-699 Perkins 6-354 Diesel 1984-1986; Massey Ferguson Industrial Tractors: MF-350, MF-353, MF-353S, MF-354F, MF-354S, MF-354V 1987, MF-355 1987-1990.

NOTE Lucas A127 Type Alternator for Case, Ford, JCB, Massey Ferguson Tractors. 65 Amp. and 55 Amp. Versions.

LUCAS ALTERNATORS FOR MASSEY FERGUSON TRACTORS

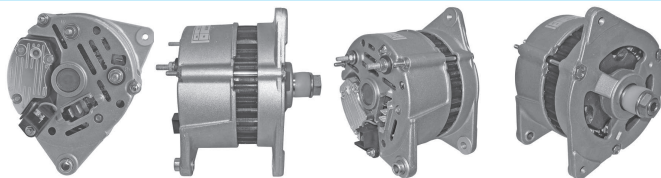


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A463	12	55	-	I/R	Various

REPLACE Lucas: 24145, 24161, 24198, 24200, 24221, 24260, 24260A; 540 220 59; **540 221** 78, 86, 88; **540 222** 14, 17, 27, 34D, 85, 91; 540 223 13; 540 226 35; NAB014, NAB406;
Lucas Reman.: A2518, A2519, A2524; **Lucas Electrical:** LRA463, LRB122; **Iskra:** IA0587, 11-201-587, AAK4532; **Marelli:** 633 241 61, 633 242 21; MAN104, MAN119, MAN697; **Case:** 188590A1, 231295A1; **Land Rover:** ADU8858, AUU1036; **Massey Ferguson:** 1475-922-M91, 1475-923-M91; **Perkins:** 2871A142; **Prestolite:** 66021637; **Valeo:** VA309; **Pic Book:** 280-312, 280-312B; 282-394 (Iskra); **Lester:** 12072.

APPLICATIONS Massey Ferguson Farm Tractors: MF-184 Perkins AD4-236 Diesel 1986-1989, MF-273 Perkins AD4-236 Diesel 1985-1996, MF-274 Perkins AD4-236 Diesel 1982-1986, MF-283 Perkins AD4-248 Diesel 1985-1999, MF-284 1985-1997, MF-294 Perkins 6-358 Diesel 1982-1986; Massey Ferguson Combines: 50E / 50H 1993.

NOTE Lucas A127 Type Alternator for Case, Massey Ferguson Tractors. 65 / 55 Amp Versions. This Unit Can Replace Lester 12239 (24198, 54022196, 54022228, 54022246, LRA653, A2524) 45 Amp.

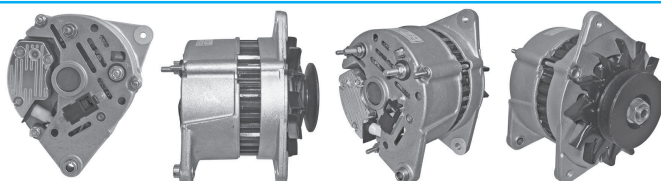


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A522	12	70	-	I/R	-

REPLACE Lucas: 24274, 24274D, 540 223 37D, 540 225 28; **Lucas Reman.:** A2534; **Lucas Electrical:** LRA522; **Marelli:** 633 242 74, MAN142; **Iskra:** IA0504, 11-201-504, AAK1344; **Ford:** E7NN-10B376-AA, -BB; **Massey Ferguson:** 3701-909-M91; **New Holland:** 81868798; **Pic Book:** 280-339; **Lester:** 12091.

APPLICATIONS Massey Ferguson MF-383 Farm Tractor with Perkins 4-248 Diesel 1990-1998.

NOTE Lucas A127 Type Alternator for Massey Ferguson, Ford / New Holland Farm Tractors. Should Interchange with A542336.

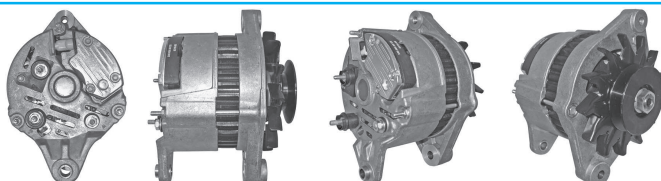


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A755	12	70	-	I/R	1-V

REPLACE Lucas: 24400, 24400A, 54022530, 54022531, 54022560, 54022561, 54022579, 54022682; **Lucas Electrical:** LRA1669; **Marelli:** 633 244 00, MAN755; **Land Rover:** YLE10065; **Massey Ferguson:** 3701-911-M91, 3701-913-M91, 3714-922-M, 3714-944-M; **New Holland:** 87800219; **Prestolite:** 66021636; **Pic Book:** 280-327; **Lester:** 12096.

APPLICATIONS Massey Ferguson Farm Tractors: MF-6110, MF-6120, MF-6130, MF-6160 1995-1997, MF-6140 Perkins 1004.4 Diesel, MF-6150 Perkins -244, MF-6170 Perkins 6-365, MF-6180 Perkins 6-365 Diesel, MF-6190 Perkins 6-365 Diesel 1995-1998, MF-6235 / MF-6245 / MF-6255 / MF-6265 Perkins 1004.4 Diesel 1999-2000, MF-6270 / MF-6280 / MF-6290 Perkins 1006.6 Diesel 1999-2000.

NOTE Lucas A127 Type Alternator for Ford / New Holland Backhoes and Massey Ferguson Tractors. Top Ear Unthreaded.



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A767	12	65	-	I/R	1-V

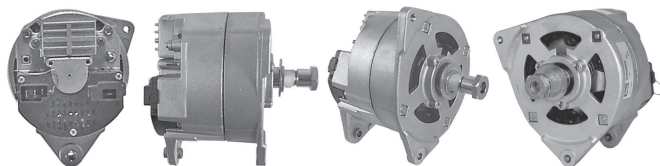
REPLACE Lucas: 24286, 540 223 75, 540 226 08, 540 226 53, 540 226 54, 540 226 62, 540 226 64; **Lucas Electrical:** LRA527; **Marelli:** 633 226 64, MAN767; **Iskra Sales:** IA0717; **Massey Ferguson:** 2871A166; **Perkins:** 2871A166; **Pic Book:** 280-134, 280-343; **Lester:** 12291.

APPLICATIONS Massey Ferguson Farm Tractors 1990-1996.

NOTE Lucas A127 Type Alternator for Massey Ferguson Tractors, Hyster Forklifts with Perkins Engines.



VALEO ALTERNATORS FOR MASSEY FERGUSON TRACTORS

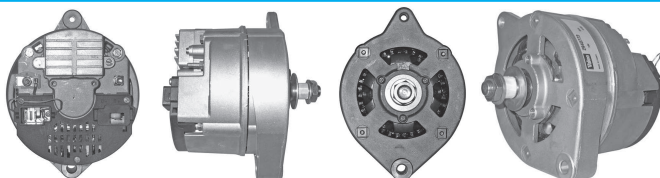


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
9AR5092	12	55	-	I/R	-

REPLACE Valeo: 432987, 2950922; **Motorola**: 9AR5092K, 5092K01, 9AR5092K02; **Massey Ferguson**: 1643-314-M91; **Iskra**: IA0707, 11-201-707, AAK4568; **Pic Book**: 210-244, 282-213 (Iskra Replacement); **Lester**: 12121.

APPLICATIONS MASSEY FERGUSON Tractors with Perkins 4-236 Diesel: MF-368 1986-1992, MF-375 1986-1998, MF-398 1987- 1997, 4-248 Diesel: MF-383 1986-1998, 6-354 Diesel: MF-399 1987-1998, MF-699 1984-1986.

NOTE Motorola Alternator for Massey Ferguson Applications with Perkins Diesel.

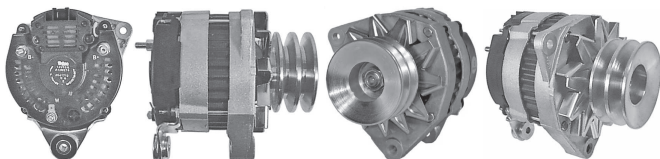


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12099	12	55	W	I/R	-

REPLACE Valeo: 2523075, 2940773, 592693, 2541163; **Massey Ferguson**: 3467-048-M91, 3599-503-M91; **TRW**: LRA964; **Iskra Sales**: IA0693; **Pic Book**: 208-385, 210-299T; **Lester**: 12099.

APPLICATIONS MASSEY FERGUSON Tractors with Perkins 4-236 Diesel: MF-3050, MF-3070, 4-249 Diesel: MF-3060, AT6-354 Diesel: MF-3090, MF-3610, MF-3630, MF-3650; Case Tractors.

NOTE Motorola / Valeo Alternator for Case and Massey Ferguson Tractors with Perkins and Valmet Diesel Engines. This Unit Has "W" Post.



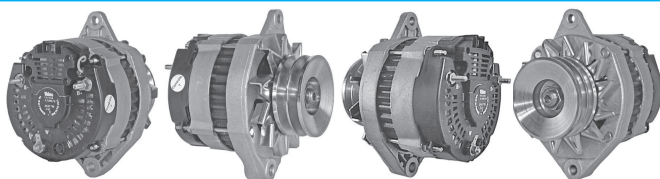
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A13N274	12	70	L-D+	I/R	2-V Solid



REPLACE Valeo: 439097, 2541290, 2541712; **Paris Rhone**: A13N274; **Massey Ferguson**: 3618-906-M1; **TRW Europe**: LRA1724; **Pic Book**: 208-387; **Lester**: 12100.

APPLICATIONS MASSEY FERGUSON Farm Tractors with Perkins Diesel Engines: MF-3085, MF-3095, MF-3115, MF-3125, MF-3635 1995-1997, MF-3645, MF-3655 1995-1998, with Perkins 6-365 Diesel: MF-6170, MF-6180, MF-6190, MF-8120 1995-1998.

NOTE This is a Paris Rhone Alternator for Massey Ferguson Tractors with Perkins 4 Cyl. Diesel Engine. 2-V Pulley.



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A13N275	12	70	L-D+	I/R	2-V Solid



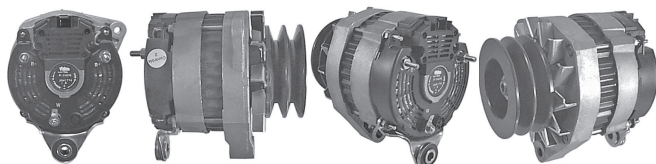
REPLACE Valeo: 439098, 2541713; **Paris Rhone**: A13N275; **Massey Ferguson**: 3618-907-M1; **TRW Europe**: LRA1593; **Pic Book**: 208-388; **Lester**: 12101.

APPLICATIONS MASSEY FERGUSON Farm Tractors with Perkins Diesel Engines: MF-3050 (4-236), MF-3055 (4-224), MF-3060 (4-248), MF-3065, MF-3070 (4-236), MF-3075 (4-224), MF-3090 (AT6-354), MF-6140 (1004.4), MF-6150 (2-244).

NOTE This is a Paris Rhone Alternator for Massey Ferguson Tractors with Perkins 4 Cyl. Diesel. 2-V Pulley.



VALEO ALTERNATORS FOR MASSEY FERGUSON TRACTORS



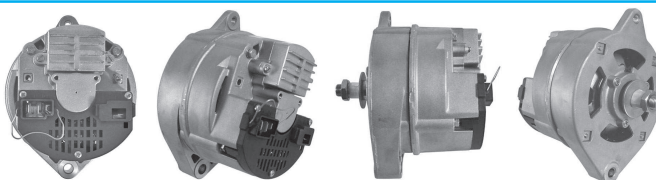
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A13N276	12	70	L-D+	I/R	2-V Solid



REPLACE Valeo: 439099, 2541714; Paris Rhone: A13N276; Massey Ferguson: 3618-908-M1; TRW Europe: LRA1724; Pic Book: 208-392; Lester: 12102.

APPLICATIONS MASSEY FERGUSON Tractors with Valment 6-403, 6-451 6 Cyl. Diesel Engines: MF-3670, MF-3690, MF-3890, MF-8140, MF-8150, MF-8160.

NOTE This is a Paris Rhone Alternator for Massey Ferguson Tractors with Valment 6-403, 6-451 6 Cyl. Diesel Engines. 2-V Pulley.

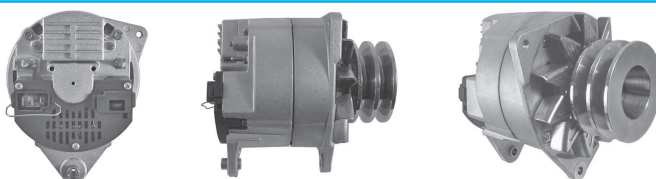


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A432984	12	55	-	I/R	-

REPLACE Valeo: 432984, 2927250, 2927860, 2928510, 2928520, 2928530; Motorola: 9AR2725F, 9AR2786K, 9AR2851K, 9AR2853K, 9AR2862K, 9AR2944K, 9AR5040K, 9AR5070K, 510-187, 510-298, 510-299, 510-300, 510-301, 510-316, 510-319, 510-368, 510-456, 510-492; Massey Ferguson: 1674-526-M1, 1676-690-M92, 3381-352-M91; Iveco: 61146528; Iskra: IA0693, 11-210-693, AAK4554; Lucas Reman.: A0923; Pic Book: 210-246, 210-290; Lester: 12122.

APPLICATIONS MASSEY FERGUSON Tractors with Perkins 6-354 Diesel: MF-3503, MF-3525, MF-3545 1984-1988.

NOTE Motorola Alternator for Massey Ferguson Tractors with Perkins 6-354 Diesel Engine.

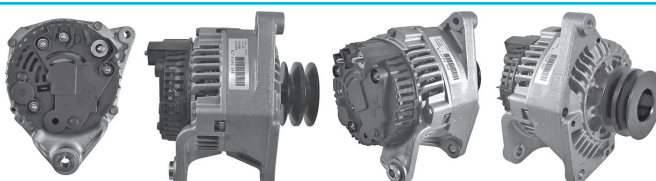


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A439197	12	70	-	I/R	2-V Solid

REPLACE Valeo: 439197, 2541290; Iskra Sales: IA0810; Massey Ferguson: 3582-821-M1, 3930-504-R1; Lucas Electrical: LRA958; Pic Book: 208-405; Lester: 12306.

APPLICATIONS MASSEY FERGUSON with Perkins 6-365 Diesel: MF-3120 1990-1993, MF-3120T 1994-1997, MF-3125 1990-1994, MF3140 1990-1995, MF-3655 1995-1998, MF-3660 1990-1995.

NOTE This is a Valeo Alternator for Massey Ferguson with Perkins 6-365 Diesel. 2-V Groove Pulley. For 55 Amp. Version Use Valeo 2541400 (Lester 12307).



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A439279	12	120	-	I/R	2-V Solid

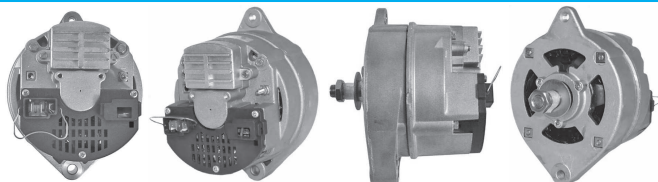
REPLACE Valeo: A13Vi243, 439279, 2542300; Massey Ferguson: 3708-634-M1, 3708-635-M1, 6780-634-M; TRW Europe: LRA2192; Pic Book: 208-531; Lester: 12421.

APPLICATIONS MASSEY FERGUSON Farm Tractors with Perkins 1004.4 Diesel: MF-6235, MF-6245, MF-6255, MF-6265 1999-2000; with Perkins 1006.6 Diesel: MF-6270, MF-6280, MF-6290, MF-8210, MF-8220 1999-2000, MF-8120 Perkins 6-365 Diesel 1995-1998, MF-8240 Valment 6-403 Diesel, MF-8250 Valment 6-451 Diesel 1999-2000.

NOTE This is a Valeo Alternator for Massey Ferguson 6200-8200 Series Farm Tractors with Valmet 6 Cyl. Engines. 2-V Groove Pulley.



VALEO ALTERNATORS FOR MASSEY FERGUSON TRACTORS

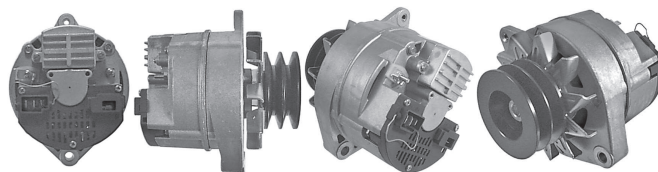


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A432984	12	55	-	I/R	1-V

REPLACE Valeo: 432984, 518051, 2518051, 2927250, 2927860, 2928510, 2928520, 2928530, 2928620; **Motorola:** 9AR2725F, 9AR2786K, 9AR2851K, 9AR2852K, 9AR2853K, 9AR2862K, 9AR2944K, 9AR5040K, 9AR5070K, 510-187, 510-298, 510-299, 510-300, 510-301, 510-316, 510-319, 510-368, 510-456, 510-492; **Massey Ferguson:** 167-2859-M2, 167-4526-M1, 167-6690-M92, 338-1352-M91, 3405-39-0M1; **Lucas Electrical:** LRA380; **Iskra Sales:** IA0693; **Pic Book:** 210-246, 210-246A, 210-290; **Lester:** 12122.

APPLICATIONS MASSEY FERGUSON Farm Tractors with Perkins 6-354 Diesel: MF-3505, MF-3525, MF-3545 1984-1988.

NOTE This is a Valeo Alternator for Massey Ferguson. This Unit Interchanges with Lucas 24033 / 24124 Units (Lester 12043).



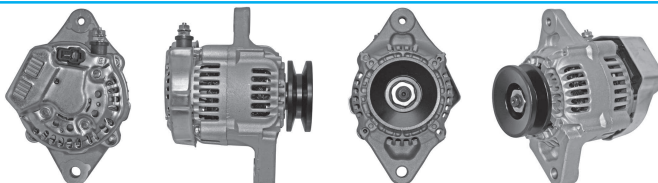
PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A2541130	12	70	-	I/R	2-V Solid

REPLACE Valeo: 541130, 541131, 592692, 2541130, 2541131, 2541148; **Massey Ferguson:** 358-138-7M1; **Iskra:** 11-201-693, IA0693, AAK4554; **TRW Europe:** LRA2621; **Pic Book:** 208-391, 208-391A, 208-391B, 282-212 (Iskra Replacement); **Lester:** 12103.

APPLICATIONS MASSEY FERGUSON Tractors with Perkins Diesel Engines: MF-3050, MF-3060, MF-3065, MF-3070, MF-3090, MF-3610, MF-3630, MF-3650; with Valment 6-451 Diesel: MF-3680 1989-1992, MF-3690 1993-1994.

NOTE Valeo Alternator for Massey Ferguson Tractors with Perkins and Valment Diesel. 2-V Groove Pulley 89 mm OD, 17 mm ID. 208-391B Uses 1-V Pulley.

NIPPONDENSO ALTERNATORS FOR YANMAR APPLICATIONS



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A12188	12	40	IG-L	I/R	1-V

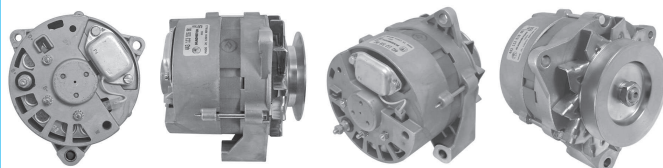


REPLACE Nippondenso: 100211-4530, 100211-4531; **Lucas Reman.:** A8130; **Lucas Electrical:** LRA1980; **John Deere:** AM877740; **Yanmar:** 119620-77201, 119620-77202; **Pic Book:** 290-208; **Lester:** 12188.

APPLICATIONS JOHN DEERE Engines: 3009, 3011, 3014, 4019; Farm Tractors: 3235 Yanmar Engines 1995, 455 Yanmar 3T72 1995-1996, F1145 Yanmar 3TN75 1992, F925 Yanmar 3TNA72 1993, F935 Yanmar 3TNA72 1990; Industrial Skid Steer Loaders: 317 JD 4024T 57HP Engine 2005, 320 JD 4024T 62HP Engine 2005, 675 Yanmar 4TNA82 1987-1989, 675B Yanmar 4TNA82 1987-1994, 3005 Yanmar 27.5HP Diesel; Utility Tractors: 4005 Yanmar 41.5HP Diesel, 4010 Yanmar 18.5HP Diesel 2002, 4110 Yanmar 20HP Diesel 2002, 655 Yanmar Engines 1993-1995, 755 Yanmar 3T72 1993-1995, 756 Yanmar 3T72 1986-1990, 855 Yanmar 3T72 1995, 856 Yanmar 3T72 1986-1990, 955 Yanmar Diesel 1990-1995; Powersport Utility Vehicles (UTV): Gator 6 x 4 Yanmar 18HP Diesel, Gator HPX Yanmar 3TNE68 20HP Diesel, Gator TH 6x4 Yanmar 20HP Diesel, Gator XUV 850D 4x4 Yanmar 3TNV70 24HP Diesel, M-Gator A1 Military Yanmar 3TN66C 18HP Diesel, M-Gator A1 Military Yanmar 3TNV70 20HP Diesel, Trail Gator 6 x 4 Yanmar 18HP Diesel; Front Mowers: 3215B JD Series 220 26HP Diesel, 3225B JD Series 220 32HP Diesel, 3225C JD Series 220 38.5HP Diesel, 3235B JD Series 220 39HP Diesel, 3235C JD Series 220 48HP Diesel, 3245C JD Series 220 48HP Diesel, F1145 Yanmar 3TN75, F1145 Yanmar 3TNE78A; Turf Mowers: 3325 From Ser. #002742, 3365 From Ser. #002742; YANMAR Tractors Various Models with 3TNA72 Engine 1988.

NOTE Nippondenso Alternator for John Deere Applications and Yanmar Engines. 1-V Pulley, 1/2" Belt Width.

MAGNETON ALTERNATORS FOR ZETOR TRACTORS

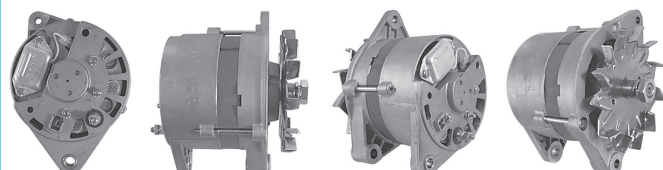


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A6061	12	55	-	I / R	1-V

REPLACE Magnetron: 443-113-516-061, 9-516-061;
Zetor: 93-9950; Lucas Electrical: LRA02356; Pic Book: 205-208;
Lester: 12253.

APPLICATIONS ZETOR Tractors: 1011 (8002), 1045 (8002) 1997, 12011 (8601), 12045 (8601), 16045 (8602), 4718 (4701) 2.5L, 4718 (4701) 2.5L, 4911 (4901) 2.6L, 5011 (5001) 2.6L 1997, 5211 (5201) 2.6L 1984-1991, 5245 (5201) 2.6L 1984-1991, 5320 (5201) 2.6L 1992, 5321 (7202) 3.5L 1997, 5340 (7201) 3.5L 1992, 5341 (7201) 3.5L 1997, 5711 (5501) 3.1L 1974-1997, 5718 (5501) 3.1L 1997, 5911 (5901) 3.4L 1978-1997, 5945 (5901) 3.4L 1978-1997, 6011 (6001) 3.4L 1980-1997, 6045 (6001) 3.4L 1980-1997, 6211 (6001) 3.4L 1984-1991, 6245 (6001) 3.4L 1984-1991, 6320 (7701) 3.9L 1992, 6321 (7702) 3.9L 1997, 6341 (7702) 3.9L 1997, 6711 (6701) 3.4L 1974-1997, 6718 (6701) 3.4L 1974-1997, 6745 (6701) 3.4L, 6748 (6701) 3.4L 1974-1997, 6911 (6901) 3.4L 1978-1997, 6945 (6901) 3.4L 1978-1997, 7011 (7001) 3.4L 1980-1997, 7045 (7001) 3.4L 1980-1997, 7211 (7201) 3.5L 1984-1991, 7245 (7201) 3.5L 1984-1990, 7321 (7302) 3.9L 1997, 7340 (7301) 3.9L 1992, 7341 (7301) 3.9L 1997, 7520 (7801) 4.1L 1991, 7540 (7801) 4.1L 1991, 7711 (7701) 3.9L 1986-1990, 7745 (7701) 3.9L 1986-1991, 8011 / 8045 (8001) 1997.

NOTE Magnetron Alternator for Zetor Tractors. Made in Slovakia.

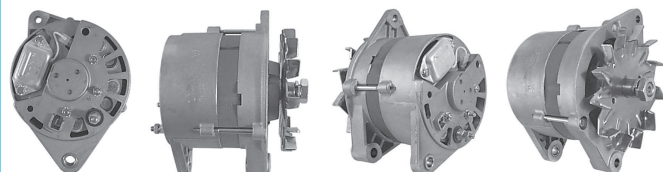


PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A6653	12	55	-	I / R	1-V

REPLACE Magnetron: 443-113-516-650, 443-113-516-653, 9-516-650, 9-516-653; Zetor: 78-350-922, 90-36-653; Lucas Electrical: LRA01443; Pic Book: 205-204, -204A; Lester: 12367.

APPLICATIONS ZETOR Tractors: 10520, 10540, 3320 (5201) 2.6L 1992, 3321 (5201) 2.6L 1997, 3340 (5201) 2.6L 1992, 4320 (6201) 3.4L 1992, 4340 (6201) 3.4L 1992, 5211, 5213, 5243, 5245 (5201) 2.6L 1991, 5320 (7201) 3.5L 1992, 5340 (7201) 3.5L 1992, 6211, 6245 (6201) 3.4L 1991, 6320 (7701) 3.9L 1992, 6340 (7701) 3.9L 1992, 7211, 7245 (7201) 3.5L 1991, 7320, 7340, 7520, 7540, 7711 (7701) 3.9L, 7745 (7701) 3.9L 1991, 8520, 8540, 9520, 9540.

NOTE Magnetron Alternator for John Deere Farm Tractors with Zetor Engines, Desta and Zetor Tractors. Made in Slovakia.



PART NUMBER	V	AMP.	PLUG	REG	PULLEY
A6653	12	70	-	I / R	-

REPLACE Magnetron: 443-113-516-670, 443-113-516-673, 9-516-670, 9-516-673; Zetor: 53-350-906; Lucas Electrical: LRA01654; Pic Book: 205-211; Lester: 12554.

APPLICATIONS ZETOR Tractors: 10540 (1301) 1995, 10641 Forterra Z1303, 3321 (5201) 1997, 3341 (5201) 1997, 4321 (6202) 1997, 4341 (6202) 1997, 5321 (7202) 1997, 5341 (7201) 1997, 6321 (7702) 1997, 6341 (7702) 1997, 7321 (7302) 1997, 7340 (7301) 1992, 7341 (7302) 1997, 7520 (7801) 1991, 7540 (7801) 1991, 8520 (1201) 1991, 8540 (1201) 1991, 8621 Forterra, 8641 Forterra (Z1203), 9520 (1001) 1991, 9540 (1001) 1991, 9641 Forterra (Z1003).

NOTE Magnetron Alternator for Zetor Tractors. Made in Slovakia.



BOSCH STARTERS FOR ALLIS CHALMERS TRACTORS



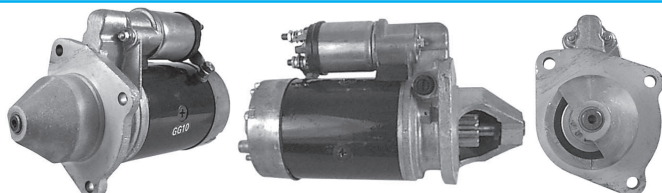
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17093	12	2.7	DD	9T	CW

REPLACE Bosch: 0-001-362-032, 0-001-362-039, 0-001-362-322;
Lucas Electrical: LRS850; **Iskra:** IS0203, 11-130-203, AZJ3538;
Allis Chalmers: 209331-3; **Fiat:** 4172113, 4710224, 4728682,
 4739353, 4745279, 4745929, 4759929, 4807373; **Pic Book:** 120-597,
 120-597A, 120-597B, 182-140 (Iskra Replacement); **Lester:** 17093.

APPLICATIONS ALLIS CHALMERS Farm Tractors: 5045 3-158
 Fiat Diesel 1981-1983, 5050 3-168 Fiat Diesel 1977-1983.

NOTE Bosch DD Starter for Allis Chalmers, Fiat-Allis, Long and
 White Tractors. For Marelli Replacement Use S17126.

LUCAS STARTERS FOR ALLIS CHALMERS TRACTORS

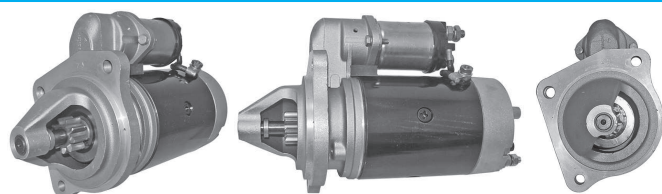


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S157	12	2.2	DD	10T	CW

REPLACE Lucas: 26071, 26133, 26133D, 26133N, 26167,
 26173, 26244, 26278, 26917, 26918, 27413, 27423, 27463, NSB513;
Lucas Reman.: S4523; **Lucas Electrical:** LRS157; **Iskra:** IS0630,
 11-130-630, AZJ3204; **Marelli:** MSN177, 632 274 13; **Case:** K89772;
Massey Ferguson: 1712921T; **Lister-Petters:** 204-13270, -13275,
 274899; **Perkins:** 2873152, 2873168; **Pic Book:** 180-362, 180-362A;
Lester: 16664.

APPLICATIONS ALLIS CHALMERS Farm Tractors: ED-40
 4-138 Diesel 1961-1968.

NOTE Lucas M45G / 2M113 Series DD Starter for Allis Chalmers,
 Lister-Petters and Massey Ferguson Industrial Applications.
 Bosch Version is 0-001-362-060 (Lester 19674).

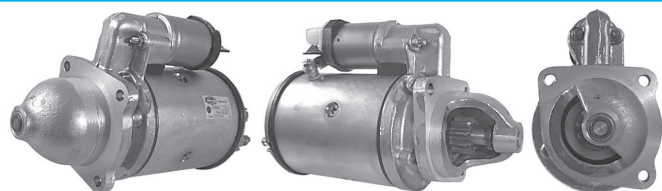


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S182	12	2.1	DD	9T	CW

REPLACE Lucas: 26394, 27440; **Lucas Reman.:** S4538;
Lucas Electrical: LRS182, LRS847, LRS1203; **Allis Chalmers:**
 12088728-7; **Pic Book:** 180-376, 180-376A; **Lester:** 16661.

APPLICATIONS ALLIS CHALMERS Farm Tractors: 5040 3-143
 Uzina Diesel 1976-1980.

NOTE Lucas M45G / 2M113 Series DD Starter for Allis Chalmers
 and Long / Universal Tractors. This Unit May Interchange with the
 Bosch 17184 and Romanian 17219 Starters.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S195	12	2.8	DD	10T	CW

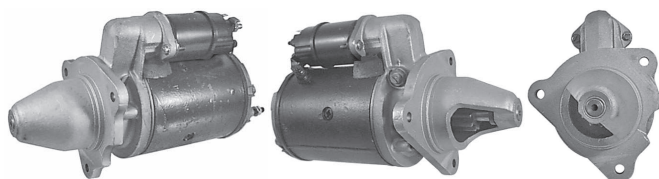
REPLACE Lucas: 26294, 26294A, 26294D, 26294E, 26294N,
 26357, 26357B, 26357D, 26357H, 27502, 27518, 27520, 27524, 27570,
 27588, 27592, 27596, NSB522, NSB524, NSB526; **Lucas Reman.:**
 S5021, S5023; **Lucas Electrical:** LRS161, LRS195, LRS968;
Marelli: 63227502, 63227592, 63227596, MSN188, MSN191, MSN203;
Iskra: IS0526, 11.130.526, AZJ3151; **Allis Chalmers:** 1002891;
JCB: 714 / 293000; **Leece-Neville:** 66925089S; **Massey Ferguson:**
 1446802M91, 1903141M91, 3581576M1, 3581576R01A, 3930508R1;
Perkins: 26357R, 2873001, 2873101, 2873B053, 2873B056, 2873B071;
Yale: 5142756-00, 5142856-00; **Pic Book:** 180-313, 180-313A,
 180-313C, 182-184 (Iskra Replacement); **Lester:** 17649.

APPLICATIONS AGCO ALLIS Industrial Tractors: 8745 4-268
 AGCO (Sisu) Diesel 1998-2000, 8765 4-268 AGCO (Sisu) Diesel
 1998-2000, 8775 6-402 AGCO (Sisu) Diesel 1998-2000, 8785 6-402
 AGCO (Sisu) Diesel 1998-2000; ALLIS CHALMERS Loaders: 840
 433 / 649 Diesel 1970-1983, 940 433 / 649 Diesel 1970-1983.

NOTE Lucas M50 / M127 Series DD Starter for Allis Chalmers and
 Massey Ferguson Tractors with Perkins Engine.



LUCAS STARTERS FOR ALLIS CHALMERS TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17648	12	2.8	DD	10T	CW

REPLACE Lucas: 26363A/J, 26429A/B, 27558, 27558A/B;
Lucas Reman.: S5016; **Allis Chalmers:** 256898, 256948, 70273901;
Pic Book: 180-311, 180-311A (M127); **Lester:** 17648.

APPLICATIONS ALLIS CHALMERS Farm Tractors: 180 6-301 Diesel 1968-1973, 185 6-301 Diesel 1970-1981, 200 6-301 Diesel 1972-1975, 6060 4-200 Diesel 1980-1984, 6070 4-200 Diesel 1984-1985, 6080 4-200 Diesel 1980-1986, 8010 6-301 Diesel 1982-1985; Loaders: 840 433 / 649 Diesel 1970-1983, 940 433 / 649 Diesel 1970-1983.

NOTE Lucas M50 / M127 Series DD Starter for Allis Chalmers Tractors, AGCO Gleaner Combines and Deutz-Allis Combines.

MAGNETI MARELLI STARTERS FOR ALLIS CHALMERS TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17126	12	2.5	DD	9T	CW

REPLACE Marelli: 63217101, 63217125, 63217126, 63217148;
 MT71A, AA, AB; MSN227, MSN229; **Lucas Electrical:** LRS850;
Iskra: IS0203, 11-130-203, AZJ3538; **Lucas Reman.:** S0850; **Allis Chalmers:** 2093331-3; **Fiat:** 4739353, 4745279, 4745929, 4759929, 4807373; **Pic Book:** 102-313, 102-330, 120-597, 120-597A, 120-597B (Bosch Versions), 182-140 (Iskra Replacement); **Lester:** 17126.

APPLICATIONS ALLIS CHALMERS Farm Tractors: 5045 3-158 Fiat Diesel 1981-1983, 5050 3-168 Fiat Diesel 1977-1983.

NOTE Marelli DD Starter for Allis Chalmers and Fiat-Allis Tractors. For Bosch Replacement Use S17093.

MAGNETI MARELLI STARTERS FOR AGCO WHITE TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17126	12	2.5	DD	9T	CW

REPLACE Marelli: 63217101, 63217125, 63217126, 63217148;
 MT71A, AA, AB; MSN227, MSN229; **Lucas Electrical:** LRS850;
Iskra: IS0203, 11-130-203, AZJ3538; **Lucas Reman.:** S0850; **Allis Chalmers:** 2093331-3; **Fiat:** 4739353, 4745279, 4745929, 4759929, 4807373; **Pic Book:** 102-313, 102-330, 120-597, 120-597A, 120-597B (Bosch Versions), 182-140 (Iskra Replacement); **Lester:** 17126.

APPLICATIONS AGCO WHITE Farm Tractors with Lamborghini Diesel Engines: 6065 1000.4WT Diesel 1992-2000, 6085 1000.4WT Diesel 1992-1997, 6105 1000.6W Diesel 1992-1997.

NOTE Marelli DD Starter for Allis Chalmers and Fiat-Allis Tractors. For Bosch Replacement Use S17093.

LUCAS STARTERS FOR BARBER GREENE FINISHERS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S124	12	2.1	DD	10T	CW

REPLACE Lucas: 26148, 26157, 26196, 26282A, 26283, 26375, 26422, 26435, 27417, 27435, 27478, 27486, NSB503;
Lucas Reman.: S4539; **Lucas Electrical:** LRS124; **Iskra:** IS0526, 11-130-526, AZJ3151; **Marelli:** MSN180, 632 274 86; **Massey Ferguson:** 1447-586-M91, 8972-69-M1; **Perkins:** 26283R, 2873121, 2873121T, 2873125, 2873141, 2873A010, 2873A102R, 2873D003, 31179; **Pic Book:** 180-361, 180-317; **Lester:** 17644.

APPLICATIONS BARBER GREENE Finishers with Perkins Engines: SA35 1976-1984 SA41 1976-1984, SB110 1972-1973, SB111 1973-1982, SB30 1976-1984.

NOTE Lucas M45 Series DD Starter for Barber Greene Finishers and Massey Ferguson Tractors with Perkins Engines.



BOSCH STARTERS FOR ATLAS TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17094	24	5.5	DD	11T	CW

REPLACE Bosch: 0-001-410-046, 0-001-410-053, 0-001-410-063, 0-001-410-081, 0-001-410-099, 0-001-410-109, 0-001-416-005, -030; **Bosch Reman.:** SR917X; **Iskra:** IS9002, 11-139-002, AZK5162; **Lucas Electrical:** LRS2151; **Bomag:** 057-109-18; **Fiat:** 4774976, 4842813, 8122161; **KHD:** 116-2504, 116-2506, 117-1203, 117-4633, 132-6430, 240-3887, D6R-24X6-H7622; **MAN:** 51-26201-7029, 81-26201-9029; **Steyr:** 615-0009-012; **Volvo:** 240340, 422997, 465930, 50011680, 7240340; **Pic Book:** 120-582, 120-582B, 120-582D, 120-582E, 182-252 (Iskra Replacement); **Lester:** 17094.

APPLICATIONS ATLAS Excavators: 2002 KHD F6L413V Engine 1973-1988.

NOTE Bosch FKB Type Starter for Atlas Copco, Fiat-Allis, KHD, Liebherr Excavators, MAN Trucks, Volvo Trucks. Opposite to S416003 (120-582A).

ISKRA / MAGNETON STARTERS FOR BELARUS-MTZ TRACTORS

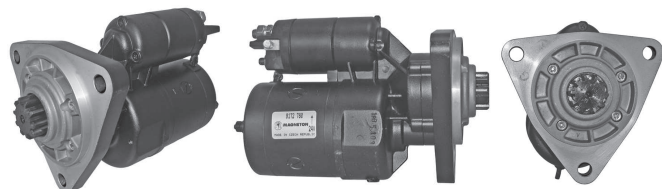


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
SCT222A	12	3.0	DD	10T	CW

REPLACE Belarus: 243708, 2406-3708-000, 2407-3708-000, 2417-3708-000, 3700-3084-088, CT222A, ST222A3700800001; **Iskra:** IS0685, 11.130.685, AZJ3229; **Pic Book:** 199-101, 182-369 (Iskra Replacement); **Lester:** 18545.

APPLICATIONS BELARUS-MTZ Farm Tractors: 250 / 250AS 2cyl - 31HP 1979-1995, 300 / 310 2cyl - 36HP 1995-1996, 400A / 400AN 4cyl - 57HP 1977-1996, 405A / 405AN 4cyl - 57HP 1977-1996, 420A / 420AN 4cyl - 57HP 1977-1996, 425A / 425AN 4cyl - 57HP 1977-1996, Golfmaster 2cyl - 31HP, T25 / T25A / T25LB 2cyl - 31HP, T40 / T40A 4cyl - 57HP, T42LB 4cyl - 57HP.

NOTE Iskra / Belarus DD Starter for LTZ, MTZ-Belarus, VTZ, XTZ Tractors. 140-894 is Delco Version of this Starter.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
SCT142H	24	5.1	OSGR	10T	CW

REPLACE Magneton: 443-115-172-780, 9172-780; **Belarus:** CT142H, 00232445.191-95, 2007-3708-000; **Iskra:** IS0676, IS1002, 11.130.676, 11.131.006, AZJ3223, AZJ3353; **Lucas Electrical:** LRS01945; **Pic Book:** 199-128, 182-226 (Iskra Replacement); **Lester:** 18547 (Iskra).

APPLICATIONS BELARUS-MTZ Farm Tractors: MTZ1221 (D-260.2) 7.2L Diesel, MTZ1522 (D-260.6) 7.2L Diesel, MTZ890 / MTZ892 (D-245.5) 4.8L Diesel.

NOTE Magneton OSGR Version of the Belarus Starter for MTZ Tractors with 7.2L / 4.8L Diesel, PAZ Buses. Made in Slovakia.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
SCT142M	12	3.5	OSGR	10T	CW

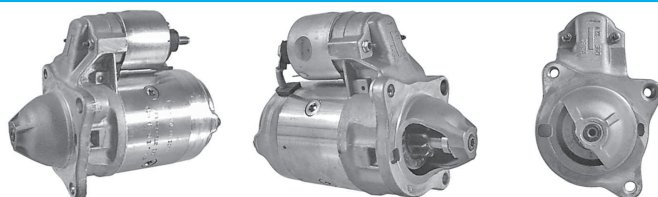
REPLACE Magneton: 443-115-142-780, 9142-780; **Belarus:** CT142M, CT212A, 00232495.186-94, 2407-3708-000; **Iskra:** IS0436, 11.130.436, AZJ3124; **Pic Book:** 105-247, 199-126, 182-115 (Iskra Replacement); **Lester:** 18546 (Iskra).

APPLICATIONS BELARUS-MTZ Farm Tractors with 4.8L Diesel Engines: MTZ1005 / MTZ1025 (D-245), MTZ510E / MTZ512E (D-244), MTZ520 / MTZ522 (D-242), MTZ530 / MTZ532 (D-244), MTZ550E / MTZ552E (D-244), MTZ570 / MTZ572 (D-242), MTZ590 / MTZ592 (D-242), MTZ800 / MTZ820 / MTZ820R (D-243), MTZ80X (D-243), MTZ900 / MTZ920 (D-243), MTZ922 / MTZ950 / MTZ952 (D-245.5) 4.8L.

NOTE Magneton OSGR Version of the Belarus Starter for MTZ Tractors with 4.8L Diesel, PAZ Buses. Made in Slovakia.



PARIS RHONE STARTERS FOR BOBARD TRACTORS



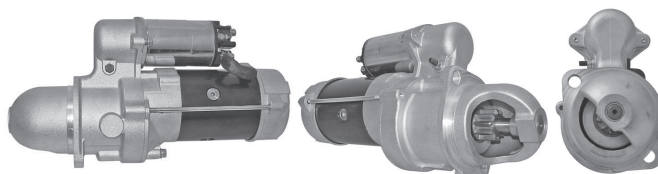
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
SD9E78	12	1.2	DD	9T	CW

REPLACE **Valeo:** D9E78, D9E278, D9E68, D8E60, D8E75, D8E81, D8E121, 072539, 075653, 094170, 101973, 104428, 186563, 432565, ND057, ND068, VS142; **Bosch Reman.:** SR219X; **Iskra:** IS0193, 11-130-162, 11-130-193, 11-130-217, 11-130-234, AZE3506, AZE3512, AZE3517, AZF3509; **Lucas Electrical:** LRS00256, LRS00463; **Renault:** 77-01-351-394, -523, 77-01-499-200, -473; **Volvo:** 90310434; **Pic Book:** 108-227D, 108-198, -198A, -198C, 182-136 (Iskra Replacement); **Lester:** 16756, 16488.

APPLICATIONS BOBARD Vineyard Tractors with Renault Engines.

NOTE Paris Rhone DD Starter for Bobard Tractor. D9E278 is a 1.1 Kw Later Version of D9E78.

DELCO STARTERS FOR BOBCAT / CLARK TRACTORS

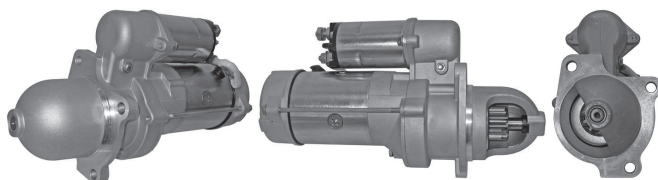


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S6570N	12	3.0	OSGR	10T	CW

REPLACE **Delco:** 10461443, 1113271; **John Deere:** RE50095; **Pic Book:** 140-915; **Lester:** 6570.

APPLICATIONS BOBCAT Skid Steer Loaders: 975 John Deere 4-276 Diesel 1989-1990; CLARK Skid Steer Loaders 975 John Deere 4-276 1989-1990.

NOTE Delco 28MT Series Dry Clutch Starter for Bobcat and John Deere Agricultural and Industrial Equipment. 4-Terminal Solenoid. This Unit Could Replace Older 1998367 (Lester 6539), and Prestolite M93R Type (Pic Book 170-270).

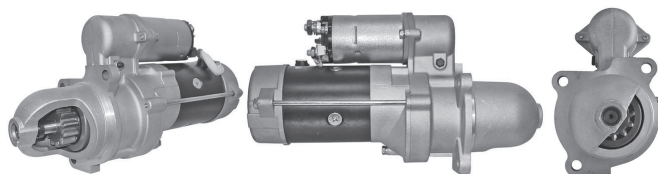


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S6571N	12	3.5	OSGR	12T	CW

REPLACE **Delco:** 10461445, 10465058, 1113273, 323-451; **Lucas Electrical:** LRS1384; **Bobcat:** 6630182, 6649676, 6660797, 6701847, 6714082; **New Holland:** 9800888; **Prestolite:** 35259000; **Pic Book:** 140-921, 170-278 (Prestolite Replacement); **Lester:** 6571.

APPLICATIONS BOBCAT Articulated Loaders: 1600 Kubota V1702 Dsl 1989-1993; Skid Steer Loaders: 643 Kubota D1402BA Dsl 1989-1992, 743 Kubota V1702BA Dsl 1989-1990, 743B Kubota V1702BA Dsl 1991-1994, 753 Kubota V2203B Dsl 1990-1994, 7753 Kubota V2203B Dsl 1991-1994; CLARK Skid Steer Loaders: 1600 Kubota V1702 1989, Skid Steer Loaders 643 Kubota D1402 1989-1992, 743 Kubota V1702 1989-1990, 743B Kubota V1702 1991-1993, 753 Kubota V1702 1990, 753 Kubota V2203E 1990.

NOTE Delco 28MT Series Dry Clutch Starter for Bobcat and Clark with Kubota Engines, Gehl with Perkins Diesel, Hyster, Lister-Petters and New Holland. 3-Terminal Solenoid. This Unit Could Replace 1107588, Lester 4280 (25MT). This is the Dry Clutch Version of the 6586.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S6575N	12	3.5	OSGR	12T	CW

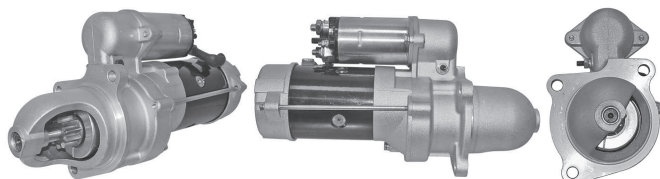
REPLACE **Delco:** 323-440, 10461448, 10461449, 10465047, 10465048, 11133279, 11133280; **Pic Book:** 140-927; **Lester:** 6575.

APPLICATIONS BOBCAT Skid Steer Loaders: 980 Cummins 4BT 3.9L Diesel 1989-1993; CLARK Skid Steer Loaders: 980 Cummins 4BT 3.9L Diesel 1989-1993.

NOTE Delco 28MT Series Dry Clutch Starter for Bobcat with Cummins 3.9L Diesel. This Unit Looks Like, and Could Replace Delco DD 27 MT Starter (1109272, Lester 6519). 35259650 is the Leece Neville M93R Type PLGR Replacement of this Unit.



DELCO STARTERS FOR BOBCAT / CLARK TRACTORS

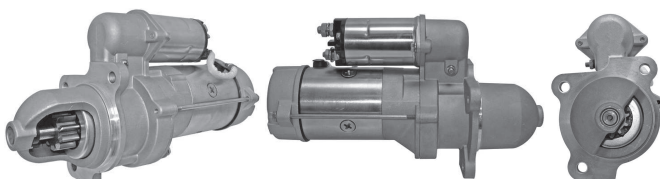


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S6576N	12	2.8	OSGR	10T	CW

REPLACE Delco: 323-442, 323-443, 10461450, 10461451, 10465049, 10465050, 1113281, 1113282; **Lucas Electrical:** LRS1230; **Iskra Sales:** IS1063; **Bobcat:** 6630180, 6630181, 6651210, 6651664; **Pic Book:** 140-924; **Lester:** 6576.

APPLICATIONS BOBCAT Articulated Loaders: 2400 Perkins 4-236 Dsl 1989-1991, 2410 Perkins 4-236 Dsl 1989-1993; Skid Steer Loaders: 641 Deutz F2L511 Dsl 1989-1990, 741 Deutz F2L511D Dsl 1989-1990, 843B Isuzu 4JB1PK-01 Dsl 1990-1992, 843HC Isuzu 4JB1PK-01 Dsl 1989-1992, 853 Isuzu 4JB1PK-03 Dsl 1990-1994, 853H Isuzu 4JB1PK-03 Diesel 1991-1994, 943 Perkins 4-236 Diesel 1990-1994, 974 Perkins 4-236 Dsl 1989-1990; Trenchers: 3023 Kubota V1702 Dsl 1989-1992; CLARK Skid Steer Loaders: 2000 Perkins 2.5L 1989, 843 Perkins 2.5L 1989-1990, 843B Isuzu Engines 1990-1992, 853 / 853H Isuzu Engines 1991-1995, 943 Perkins 4-236 1990-1994, 974 Perkins 4-236 1989-1990, 641 Deutz F2L511 1989-1990, 741 Deutz F2L511 1989-1990.

NOTE Delco 28MT Series Dry Clutch Starter for Bobcat, Clark, Massey Ferguson and New Holland with Perkins, Isuzu and Caterpillar Engines. This Unit Looks Like, and Could Replace Delco DD 25 MT Starter (1109253, Lester 4887). For Sealed Wet Clutch Version Use Delco S6578N Unit.



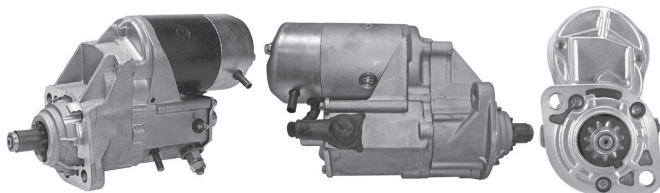
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S6578N	12	2.8	OSGR	10T	CW

REPLACE Delco: 323-1187, 10465349, 10465401, 1113285; **Lucas Electrical:** LRS1187; **Pic Book:** 140-933; **Lester:** 6578.

APPLICATIONS BOBCAT Skid Steer Loaders: 843B Isuzu 4JB1PK-01 Dsl 1990-1992, 843HC Isuzu 4JB1PK-01 Dsl 1989-1992, 853 Isuzu 4JB1PK-03 Dsl 1990-1994, 853H Isuzu 4JB1PK-03 Diesel 1991-1994, 943 Perkins 4-236 Diesel 1990-1994, 974 Perkins 4-236 Diesel 1989-1990; CLARK Skid Steer Loaders: 843B Isuzu Engines 1990-1992, 853 / 853H Isuzu Engines 1991-1995, 943 Perkins 4-236 1990-1994, 974 Perkins 4-236 1989-1990.

NOTE Delco 28MT Series Wet Clutch Starter for Bobcat, Clark with Perkins 4-236 and Isuzu Engines. This Unit Looks Like, and Could Replace Delco DD 25 MT Starter (1998379, Lester 6179). For Dry Clutch Version Use S6576N Unit. 4-Terminal Solenoid - 4th Terminal is a Dummy.

NIPPONDENSO STARTERS FOR BOBCAT / CLARK TRACTORS



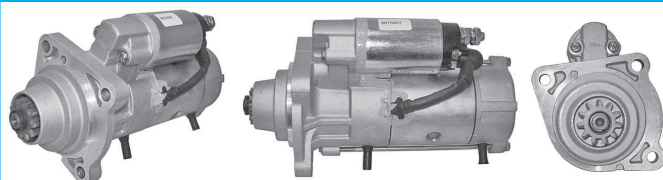
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17362N	12	2.5	OSGR	11T	CW

REPLACE Nippondenso: 028000-8400, -8401, 028000-8402, 028000-8403, 028000-8404, 228000-6470*, 228000-6471*; **Nippondenso Reman.:** 9702809-840; **Bosch Reman.:** SR9975X; **Lucas Electrical:** LRS1387; **Lucas Reman.:** S9930; **Iskra:** IS1027, 11-131-063, AZE4603; **Clark:** 2355695, 6632415; **John Deere:** RE19275, RE41799, RE51447, RE51694, RE54092, RE68470, TY6688, TY6719, TY24438; **Pic Book:** 190-830, 190-830A, 190-9006*, 182-165 (Iskra Version); **Lester:** 17362, 17362A*.

APPLICATIONS BOBCAT Wood Loaders: 1075 John Deere 4-276 Dsl 1975-1981, 1080 John Deere 4-276 Dsl 1979-1982, 1080B John Deere 4-276 Dsl 1983-1985; Skid Steer Loaders: 975 John Deere 4-276 Dsl 1974-1990; CLARK Skid Steer Loaders: 1075 John Deere 4-276 1975-1981, 1080 John Deere 4-276 1982-1985, 975 John Deere 4-276 1974-1990.

NOTE Nippondenso OSGR Starter for Bobcat, Clark Skid Steers, and John Deere Tractors. * Later Version - 2.7 Kw, 13 Teeth.

VALEO KOREA STARTERS FOR BOBCAT TRACTORS

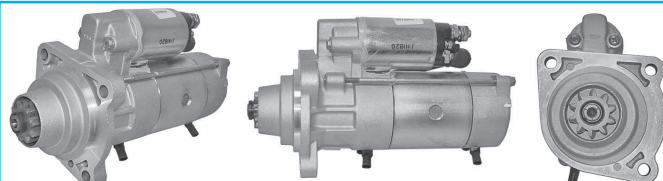


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S28901	12	2.7	PLGR	11T	CW

REPLACE Valeo: TM000A28901; Bobcat: 6676957, 6685190, DSL6676957; Pic Book: 108-303; Lester: 18486.

APPLICATIONS BOBCAT Skid Steer Loaders: S175 Kubota V2203EB Diesel 2002-2003, S185 Kubota V2203TEB Dsl 2002-2003, S250 Kubota V3300DI Turbo Diesel 2002-2003.

NOTE Korean Valeo PLGR Starter for Bobcat Skid Steers. This Unit May Replace Delco 10461445 (Lester: 6571) and Nippondenso 228000-5810 (Lester: 17462).



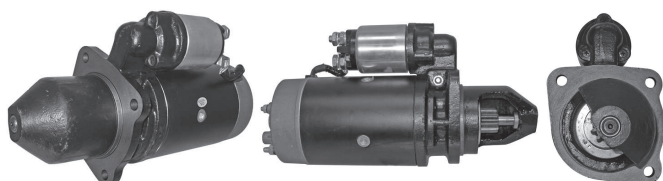
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S29001	12	2.7	PLGR	11T	CW

REPLACE Valeo: TM000A29001; Bobcat: 6676958, 6685191; Pic Book: 108-302; Lester: 18485.

APPLICATIONS BOBCAT Skid Steer Loaders: T200 Deutz BF4M1011F Diesel 1999.

NOTE Korean Valeo PLGR Starter for Bobcat Skid Steers. This Unit is Similar to S28901.

BOSCH STARTERS FOR CASE TRACTORS

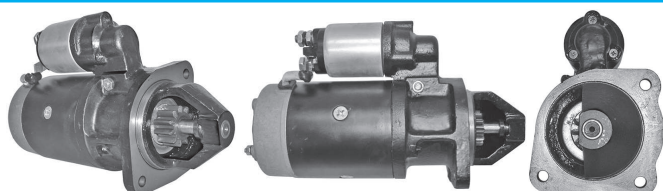


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17078	24	4.0	DD	9T	CW

REPLACE Bosch: 0-001-368-069; Bosch Reman.: SR9941X; Lucas Electrical: LRS1923; Case: A186142, A187597; Cummins: P941519Q; International: 787804-R92; Pic Book: 120-540; Lester: 17078.

APPLICATIONS Case Backhoe Excavators with 6T-590 5.9L Diesel Engine: 1080, 1088, 488, 688, 888 1988-1992.

NOTE Bosch DD Starter for Case Backhoe Excavators with 5.9L Diesel Engine.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17229	12	2.7	DD	11T	CW

REPLACE Bosch: 0-001-359-075, 0-001-362-064, 0-001-362-301; Lucas Electrical: LRS1486, LRS1488; Case: A186180, 3218-192-EX, 3218-192-R91, 3228-192-R91; International: 3218-674-R91, 3228-192-R91, 787-804-R92; Pic Book: 120-539, 120-539A, 120-539B, 182-246 (Iskra Replacement); Lester: 17229.

APPLICATIONS Case Farm Tractors: 433 D-155 Diesel 1986-1992, 533A D-155 Diesel 1986-1992, 633 D-179 Diesel 1986-1991, 833 4-239 Diesel 1986-1992.

NOTE Bosch DD Starter for Case Farm Tractors and International Harvester Applications. Three Hole Mounting.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17232	12	2.7	DD	10T	CW

REPLACE Bosch: 0-001-362-321; Bosch Reman.: SR9938X; Iskra: ISO665, 11-130-665, AZJ3217; Case: 114800A1, A186180; Prestolite: 35259620; Pic Book: 120-560, 182-222 (Iskra Replacement); Lester: 17232.

APPLICATIONS Case Farm Tractors: 5120 4-239 Diesel 1990-1991, 5220 4-239 Diesel 1992-1997.

NOTE Bosch DD Starter for Case Farm Tractors. Three Hole Mounting.



BOSCH STARTERS FOR CASE TRACTORS

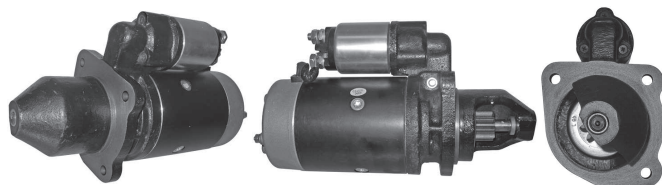


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17307	12	3.1	DD	9T	CW

REPLACE Bosch: 0-001-367-072, 0-001-369-007, 0-001-369-019, 0-001-369-025; **Bosch Reman.:** SR9940X; **Lucas Electrical:** LRS1300; **Iskra:** IS0695, 11-130-695, AZJ3236; **Case:** 114799A1, A1878597; **Cummins:** 3283312; **Pic Book:** 120-566, 120-599, 120-599A, 182-161 (Iskra Replacement); **Lester:** 17307.

APPLICATIONS Case Farm Tractors: 5130 6-359 Diesel, 5140 6-359 Diesel 1990-1991, MX150 6-359 Diesel, MX170 6-359 Diesel 1998-1999; Case Windrowers: 6000 390 Diesel, 6500 390 Diesel 1985-1992.

NOTE Bosch Wet Clutch DD Starter with Junp Start Protection Solenoid for Case Farm Tractors, Windrowers, Cummins Diesel Applications.

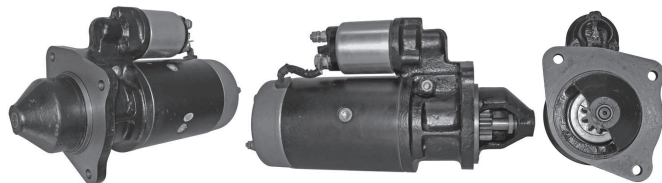


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17308	12	3.0	DD	9T	CCW

REPLACE Bosch: 0-001-367-061; **Bosch Reman.:** SR9939X; **Lucas Electrical:** LRS1600; **Case:** 245927C91; **Pic Book:** 120-564; **Lester:** 17308.

APPLICATIONS Case Combines: 1620 Reverse Feeder Motor 1985-1994, 1640 Reverse Feeder Motor 1985-1992, 1644 Reverse Feeder Motor 1993-1995, 1660 Reverse Feeder Motor 1985-1992, 1666 Reverse Feeder Motor 1993-1997, 1680 Reverse Feeder Motor 1985-1992, 1682 Reverse Feeder Motor 1985-1992, 1688 Reverse Feeder Motor 1992-1995, 2144 Reverse Feeder Motor 1994-1997, 2166 Reverse Feeder Motor 1994-1997, 2188 Reverse Feeder Motor 1994-1997, 2344 Reverse Feeder Motor 1998-2002, 2366 Reverse Feeder Motor 1998-2004, 2388 Reverse Feeder Motor 1998-2004.

NOTE Bosch DD Starter for Case Combines and International Harvester Applications. Three Hole Mounting.



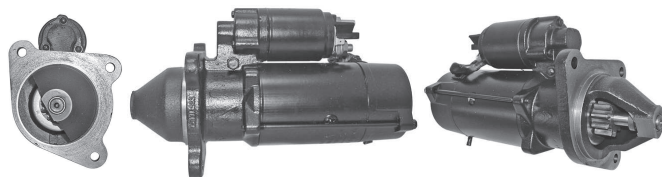
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18227	12	3.0	DD	10T	CW

REPLACE Bosch: 0-001-359-104, 0-001-367-006; **Lucas Electrical:** LRS212; **Case:** K302851; **Ford:** D8NN-11000-AA; **Pic Book:** 120-552, 120-840; **Lester:** 18227.

APPLICATIONS Case Farm Tractors: 1690 6-329 Diesel 1980-1983, Ford Tractor 7700 1980-1983.

NOTE Bosch DD Starter for Case Farm Tractor 1690 with 6-329 Diesel Bosch System and Ford Tractors.

ISKRA STARTERS FOR CASE TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S1016	12	3.0	DD	10T	CW

REPLACE Iskra: IS1016, 11-130-785, 11-131-027, 11-131-430, AZF4115, AZF4511, AZF4539; **Lucas Electrical:** LRS1637; **Case:** 82021372, 87318759, 87653221; **New Holland:** 82013134, 82014160, 82015723, 82021372; **Pic Book:** 182-450; **Lester:** 19653.

APPLICATIONS Case Farm Tractors: MXM120 6-456 Diesel 2005, MXM130 6-456 Diesel 2002, MXM140 6-456 Diesel 2002, MXM155 6-456 Diesel 2002, MXM175 6-456 Diesel 2002, MXM190 6-456 Diesel 2002.

NOTE Iskra DD Starter for Case Farm Tractors and Sperry New Holland Industrial Applications.



ISKRA STARTERS FOR CASE TRACTORS



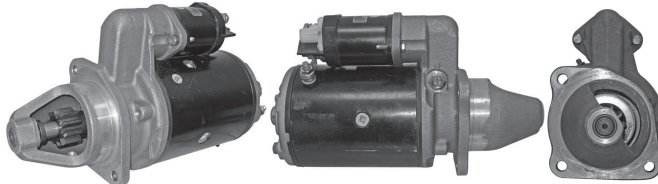
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S1077	12	4.2	PLGR	10T	CW

REPLACE Iskra: IS1077, 11-131-117, 11-131-213, 11-131-839, AZF4611, AZF4616, AZF4691; **Case:** 84146320, 87419387; **Cummins:** 3283813, 3675245RX; **Delco:** 10465537; **Onan:** 191-2212; **Pic Book:** 182-549; **Lester:** 19866.

APPLICATIONS Case Combines: 2377 2005, 2388 Cummins 8.3L 1998-2005, 2577 2006, 2588 2006, 5088 Case 8.3L 2008, 6088 Case 8.3L 2008, 7088 Case 9.0L 2007; Cotton Pickers: 420 6-505 Diesel 2006, 620 6-505 Diesel 2006, 625 6-550 Diesel 2006, CPX420 2005-2006, CPX610 2005-2006, CPX620 2005-2006.

NOTE Iskra PLGR Oil Sealed Starter for Case Harvester with Cummins 6C Diesel Engine. This Unit Can Replace Wet Clutch Denso 228000-5621, -6390 (Lester 18343).

LUCAS-MARELLI FOR CASE TRACTORS

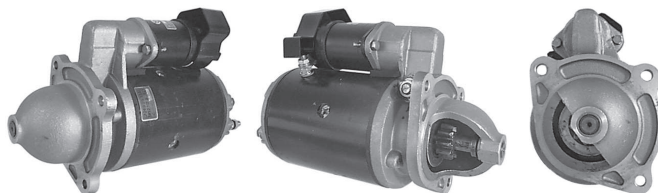


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S240	12	2.8	DD	10T	CW

REPLACE Lucas: 26336, 26428, 26433, 27508, 27556, 27575, 27586, 27604, NSB543; **Lucas Reman.:** S5029; **Lucas Electrical:** LRS240; **Marelli:** 632 275 86, 632 276 04, MSN206, MSN799; **Iskra:** IS1018, 11-131-038, AZJ3364; **Case:** 189330A5R, 23428A1, 3055414R92, 3055557R92, 3228193R91, 529965R92; **International:** 537140R91; **Perkins:** 26336R; **Pic Book:** 180-307, 180-307B, 182-452 (Iskra Replacement); **Lester:** 16984.

APPLICATIONS CASE Tractor Loaders: 380B D-179 Diesel 1981-1987; Farm Tractors: 3220 3-179 Diesel 1994-1997, 3230 4-206 Diesel 1994-1997, 385 3-155 Case Diesel 1985-1990, 395 3-155 Case Diesel 1991-1993, 4210 4-239 Diesel 1994-1997, 4230 4-268 Diesel 1994-1997, 4240 4-268 Diesel 1994-1997, 495 3-179 Diesel 1991-1994, 595 4-206 Case Diesel 1991-1994, 695 4-239 Diesel 1991-1994, 885 4-268 Diesel 1985-1990, 895 4-268 Diesel 1991-1994, 995 4-268 Diesel 1991-1994; Wheel Tractor 380CK D-179 Diesel 1973-1980.

NOTE Lucas M50 / M127 Series DD Starter for Case, IHC Loaders. This Unit Can Replace Bosch 0-001-367-042 (Lester 17077) and Delco 1113431 (Lester 4894).



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
SM127L	12	2.8	DD	10T	CW

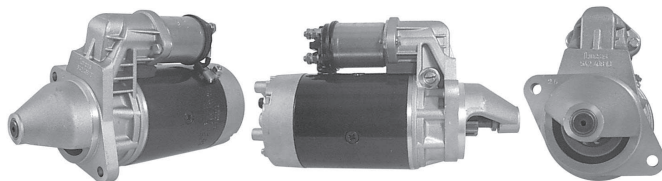
REPLACE Lucas: 26211, 26211M/T, 26211U, 26291A, 26291D, 26338A, 26338B, 26338D, 26338F, 26339A, 26339B, 26339D, 26339K, 26395, 26395A, 26395H, NSB520; **Lucas Reman.:** S5012; **Lucas Electrical:** LRS212; **Bosch Reman.:** SR400X; **Iskra:** IS0579, 11.130.579, AZJ3182; **Marelli:** 63227569, MSN202; **Case:** K308650; **Ford:** C6NF-11000-A, C7NN-1000-A, D0NN-11000-A, -11000-B, D1NN-11000-A, D2NN-11000-B, D4NN-11000-B, D7NN-11000-B, D8NN-11000-CA, D9NN-11000-AA; **New Holland:** 82005342; **Pic Book:** 180-300, 180-300A, 180-300B, 180-300C, 180-300D, 180-300E, 180-300F, 182-339 (Iskra Replacement); **Lester:** 16608.

APPLICATIONS CASE Farm Tractors: 1394 4-219 Diesel 1983-1988, 1410 4-219 Diesel 1976-1980, 1494 4-219 Diesel 1983-1988, 1594 6-329 Diesel 1983-1988, 1690 6-329 Diesel 1980-1983.

NOTE Lucas M50 / M127 Series DD Starter for Case, Ford and New Holland Tractors.



LUCAS-MARELLI FOR CASE TRACTORS



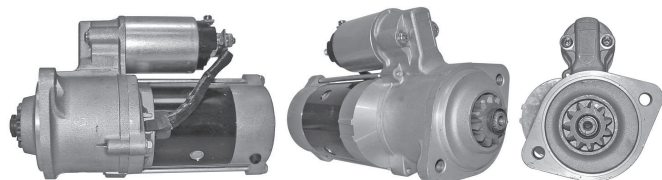
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S261	12	1.7	DD	10T	CW

REPLACE Lucas: 26371, 26400, 26400A, 26400B, 26500D, 27431; Lucas Reman.: S4540; Lucas Electrical: LRS261; Land Rover: ADU3781; Case: E36646; Prestolite: 20500261; Valeo Short: VS178, VS474; Pic Book: 180-338, 180-358A; Lester: 18263.

APPLICATIONS CASE Trenchers Maxi-Sneaker with 1.8L Leyland Diesel 1976-1987.

NOTE Lucas M45G Series DD Starter for Case Trenchers with 1.8L Leyland Diesel.

MITSUBISHI STARTERS FOR CASE TRACTORS

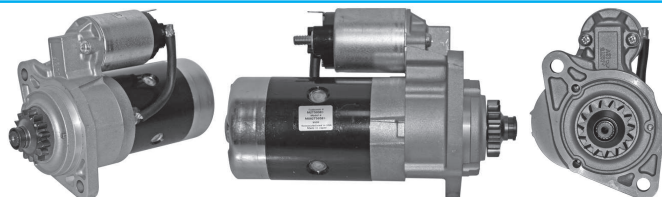


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17081N	12	1.8	OSGR	11T	CW

REPLACE Mitsubishi: M2T56471, M2T56472, M2T56475, M2T60271, M2T61371, M3T64172, M2T60271 (2.2 kw), 34466-03200, 34466-10202, 34466-10203, 34466-15202, 34466-20200, 34466-30300, 34466-20201, 34766-21301, 34766-31300, 34766-41300; Toro: 51-7590, 70-5860; Pic Book: 103-345, -305 (2.2 kw Version); Lester: 17081.

APPLICATIONS CASE Industrial Trenchers: DH4B Mitsubishi Diesel 1988, Maxi-Sneaker Mitsubishi Diesel 1986-1993.

NOTE Mitsubishi OSGR Starter for Case Backhoe Trencher and Toro Lawn Equipment.

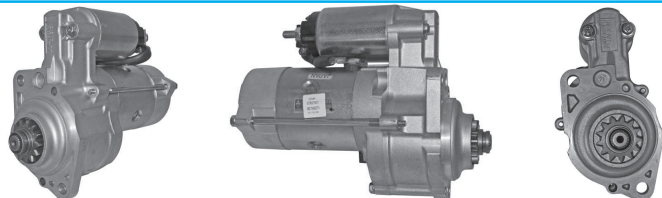


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17141N	12	1.4	OSGR	15T	CW

REPLACE Mitsubishi: M2T50381, M2T50391, 31B66-00600, 31B66-00601, MM409410, MM40941001; Lucas Electrical: LRS1131; Case: 1273112C91; International: 1273112C91; Pic Book: 103-224; Lester: 17141.

APPLICATIONS CASE Farm Tractors: 1120 3-65 Diesel 1991, 1130 3-75 Diesel 1991, 1140 3-91 Diesel 1991, 234 3cyl Diesel 1985-1986, 235 3cyl Diesel 1986-1990, 244 3cyl Diesel 1985-1986, 245 3-60 Mitsubishi Diesel 1986-1990, 254 3-65 Mitsubishi Diesel 1985-1986, 255 3-65 Mitsubishi Diesel 1986-1990.

NOTE Mitsubishi OSGR Starter for Case Farm Tractors, Cub Cadet Compact Tractors with Mitsubishi Diesel Engines and Mitsubishi Marine Inboard Engines.



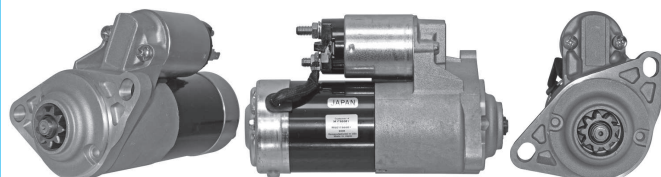
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17556N	12	2.0	OSGR	13T	CW

REPLACE Mitsubishi: M2T56271, M3T61171, MM409411, MM409412; Lucas Electrical: LRS1189; International: 1962781C1; Pic Book: 103-329, 103-359; Lester: 17556.

APPLICATIONS CASE Farm Tractors: 265 Offset 3-78 Mitsubishi Diesel 1987-1991, 275 3-91 Mitsubishi Diesel 1986-1991.

NOTE Mitsubishi OSGR Starter for Case 265, 275 and 7275 Tractors with 3 Cyl. Diesel Engine (K3D) and Cub Cadet Tractors. Looks Similar to 2.2 Kw S17096.

MITSUBISHI STARTERS FOR CASE TRACTORS

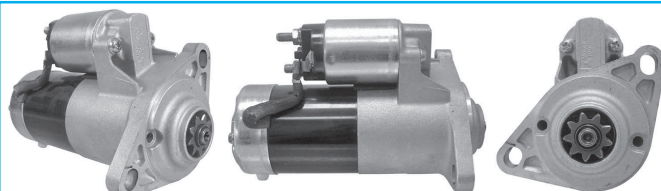


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18395N	12	1.7	PMGR	9T	CW

REPLACE Mitsubishi: M1T66081; Delco Reman.: 10461686; Ford: SBA18508-6550, SBA18508-6551; Ishikawajima: 18508-6550, 18508-6551; New Holland: SBA18508-6550, SBA18508-6551; Prestolite: 20513016; Pic Book: 103-330; Lester: 18395.

APPLICATIONS CASE Tractors: Farmall 31 3-91 Diesel 2008; Compact Tractors: DX29 Shibaura 1.3L 29HP Diesel 2004, DX31 Shibaura 1.5L 31HP Dsl 2006, DX33 Shibaura 1.5L 33HP Diesel 2004.

NOTE Mitsubishi PMGR Starter for Case Tractors with Shibaura Diesel, Ishikawajima Tractors with Perkins Engines and Ford / New Holland Compact Tractors.



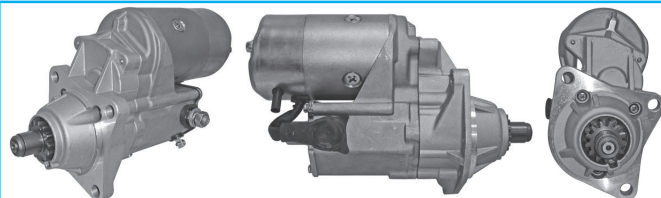
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S3330N	12	1.7	PMGR	9T	CW

REPLACE Mitsubishi: M1T66081; Delco Reman.: 10461686; Ford New Holland: SBA18508-6650, SBA18508-6651; Ishikawajima: 18508-6650, 18508-6651; Pic Book: 103-330; Lester: 18395.

APPLICATIONS CASE Tractors: Farmall 31 3-91 Diesel 2008; Compact Tractors: DX29 Shibaura 1.3L 29HP Diesel 2004, DX31 Shibaura 1.5L 31HP Dsl 2006, DX33 Shibaura 1.5L 33HP Diesel 2004.

NOTE Mitsubishi PMGR Starter for Ishikawajima Tractors with Perkins Engines. This Unit Replaces Mitsubishi M2T58981 (11T).

NIPPONDENSO STARTERS FOR CASE APPLICATIONS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S16658N	12	2.5	OSGR	13T	CW

REPLACE Nippondenso: 028000-5880, 028000-5881, 028000-5882, 028000-5883, 028000-5884; Nippondenso Reman.: 9702809-558, 9702809-588; Bosch Reman.: SR9943X; Case: 116930A1, A47496, R39341; Lucas Electrical: LRS1256; Lucas Reman: S9918; Iskra Sales: IS0665; Pic Book: 190-800, 182-222 (Iskra Replacement); Lester: 16658.

APPLICATIONS Case Crawler Tractors: 350B D-188 Diesel 1979-1984, 450B 207 Diesel 1978-1983, 455B 207 Diesel 1983, 584D 188 Diesel 1975-1988, 585D 188 Diesel 1975-1988, 586D 188 Diesel 1975-1988; Backhoe Loaders: 480C Construction King 188 Diesel 1979-1988, 480D Construction King 188 Diesel 1979-1988, 480LL Construction King 188 Diesel 1979-1988, 580C Construction King 207 Diesel 1975-1980, 580D Construction King 207 Diesel 1980-1984, 580SD; Uni-Loaders: 1835B 188 Diesel 1982-1988, 1845B 188 Diesel 1982-1985; Wheel Loaders: W11 207 Diesel 1978-1983.

NOTE Nippondenso OSGR Starter for Case Loaders and Ford Trucks with 7.3L Diesel. This Unit Can Be Used to Replace the S17037N Mitsubishi and S6573N Delco 28MT Starters.

BOSCH STARTERS FOR CATERPILLAR APPLICATIONS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S16558	12	3.1	DD	10T	CW

REPLACE Bosch: 0-001-369-002, 0-001-369-006; Caterpillar: 3T8832, 6T8832, 7X1361; Lucas Electrical: LRS1520; Pic Book: 120-508, 120-511; Lester: 16558.

APPLICATIONS CATERPILLAR Backhoes with Perkins 4-236 Engine: 416 1985-1993, 426 1986-1992, 428 1986-1992, 436 1986-1992, 438 1988-1992.

NOTE Bosch DD Type Starter for Caterpillar Backhoes with Perkins 4-236 3.9L Engine.



CAV FOR CATERPILLAR EXCAVATORS



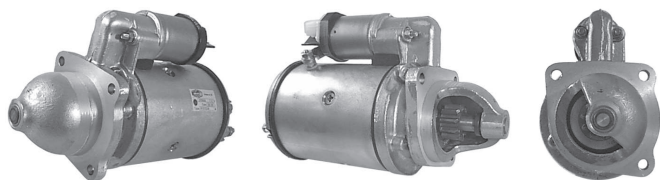
REPLACE CAV: 1321G022, CA45D24-2, CA45F24-2, CA45G24, CA45G24-2; **Lucas Electrical:** LRS01802; **Pic Book:** 184-114; **Lester:** 31405.

APPLICATIONS CATERPILLAR 211 Trackhoe with Perkins Engine.

NOTE CAV DD Type Starter for Caterpillar 211 Trackhoe with Perkins Engine, Perkins Industrial Applications. Made in Russia.

PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S242	24	5.2	DD	10T	CW

LUCAS-MARELLI FOR CATERPILLAR EXCAVATORS



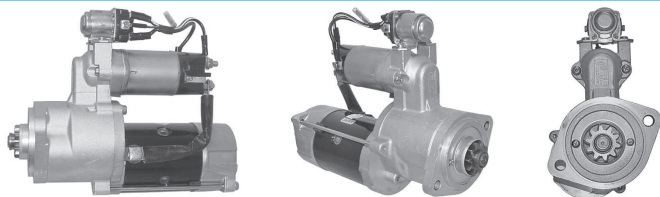
REPLACE Lucas: 27301, 27307, 27311, 27311F, 27313; **Lucas Reman.:** S5033; **Lucas Electrical:** LRS265; **Prestolite:** 860112Z; **Pic Book:** 180-368; **Lester:** 17654.

APPLICATIONS CATERPILLAR Excavators: 205 Perkins 4-236 1984-1990, 206 Perkins 4-236 1984-1991, 211 Perkins 4-236 1984-1989, 212 Perkins 4-236 1984-1991.

NOTE Lucas 3M127 Series DD Starter for Caterpillar Track Hoe, Excavators with Perkins 4-236 Engine, Lansing Linde with Perkins V8.540 Engine.

PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17654	24	4.5	DD	10T	CW

MITSUBISHI STARTERS FOR CATERPILLAR EXCAVATORS

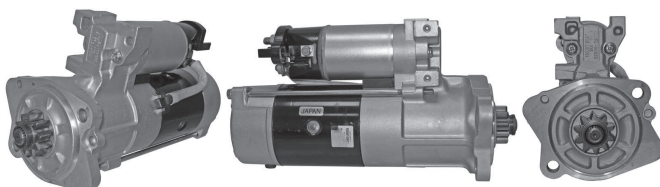


REPLACE Mitsubishi: M3T56172, M3T56174, M3T56181, M3T56182, M3T56183, 34766-10100, 34766-10903, 34766-20900, 34766-20901; **Lucas Electrical:** LRS01889; **Caterpillar:** OR1091; **Pic Book:** 103-375, 103-375A; **Lester:** 18239.

APPLICATIONS CATERPILLAR Excavators: 320 3116 Diesel 1993-On, 320B / 320BL 3116 Diesel 1996-On, 320N 3116 Diesel 1993-On, DP40.

NOTE Mitsubishi OSGR Starter for Caterpillar Excavators and Mitsubishi Industrial Forklifts.

PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18239N	24	5.0	OSGR	10T	CW



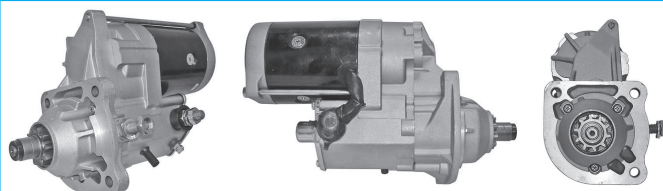
REPLACE Mitsubishi: M8T60871, 32B66-02102; **Caterpillar:** 1252988; **Pic Book:** 103-438; **Lester:** 18541.

APPLICATIONS CATERPILLAR Lift Trucks: 320 with 3066 Diesel 1993-1999, 320B / 320BL / 320BN / 320L / 320N with 3066T Diesel 1996-1999.

NOTE Mitsubishi PLGR Starter for Caterpillar Excavators 3066T, 320B 1996-1999.

PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18541N	24	5.0	PLGR	10T	CW

NIPPONDENSO STARTERS FOR CATERPILLAR APPLICATIONS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S3E5382	12	3.0	OSGR	10T	CW

REPLACE Nippondenso: 128000-5720, 128000-5721, 128000-5722, 128000-5723; Nippondenso Reman.: 9712809-572; Bosch Reman.: SR5058X; Lucas Reman.: S9136; Caterpillar: 0R4318, 3E5382, 9W2946; Pic Book: 190-811; Lester: 18163.

APPLICATIONS CATERPILLAR Engines - Industrial: 3114 1991-1993, 3116 1991-1993; Farm Tractors: 35 Challenger 3116 Engine, 45 Challenger 3116 Engine 1994-2001.

NOTE Nippondenso OSGR Wet Clutch Starter for Caterpillar Engines and Farm Tractors. Ground Stud On DE Frame. This Starter is Very Similar in Appearance to the Nippondenso 228000-3700 (Lester 19817) Used on the Same Applications.

BOSCH STARTERS FOR CLAAS COMBINES

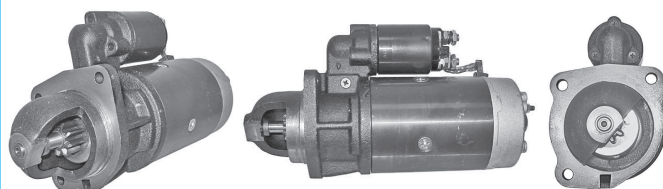


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S16369	12	3.5	DD	9T	CW

REPLACE Bosch: 0-001-400-008, 0-001-401-007, 0-001-401-011, 0-001-401-017, 0-001-401-034, 0-001-401-035, 0-001-401-049, -050, 0-001-401-066, 0-001-413-001, 0-001-413-006, 0-001-418-001, -012; Bosch Reman.: SR918X; Iskra: IS0116, IS0126, IS9007, IS9008, 11-130-116, 11-130-126, 11-139-007, 11-139-008, 11-139-037, AZK5106, AZK5167, AZK5168, AZK5196; Claas: 1322450, 1326150, 6092820; International: 82068-C91, 82068-C92; KHD: 117-0739, 130-1500, 132-0738, C9R-12X4-H7622, 291-8662; Mercedes: 000-151-80-01, 001-151-36-01, 002-151-80-01, -84-01, 003-151-56-01, 003-151-59-01; Lucas Electrical: LRS822; Lucas Reman.: S0822; MWM-Diesel: 6-0572-01-0-0002; Renault: 01-22-946-900, 03-25-339-011; Steyr: 313T090031, 413T090001; Volvo: 240519, 48547, 6601769, 6643899; Pic Book: 120-581, 120-581A, 120-581B, 120-581C, 120-581D, 182-126, 182-256, 182-256A, 182-312 (Iskra Replacement); Lester: 16369.

APPLICATIONS CLAAS Combines: Dominator 105 MB OM360 1975-1993, 106 MB OM360 1980-1993.

NOTE Bosch DD Starter for KHD Engines, Claas, Lamborghini, Liebherr, Lombardini, Mercedes Trucks, Steyr Tractors, Volvo.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17074	12	3.0	DD	9T	CW

REPLACE Bosch: 0-001-358-044, 001-358-046, 0-001-358-048, 0-001-358-049, 0-001-359-027, 0-001-359-049, 0-001-359-073, 0-001-362-305, 0-001-367-004; Bosch Reman.: SR926X; Iskra: IS0552, 11-130-026, 11-130-484, 11-130-552; AZJ0402, AZJ3128, AZJ3170; Lucas Electrical: LRS921; Marelli: 9432 522 04, MSR697, MT74G; Bomag: 057-109-01, -05, -23, -27, -91, -92; Fendt: X830-100-001; International: V941501; KHD: 116-1364, 116-3669, 116-4994, 117-3240, 117-3280, 117-8026, B15R-12X3-H7622, B23R-12X3-H7622; Liebherr: 610-71-08; Poclain: N-0041596; Pic Book: 120-507, 120-513, 120-516, 120-530, 182-104 (Iskra Replacement); Lester: 17074.

APPLICATIONS CLAAS Combines: Consul Deutz F4L912 1967-1974, Corsar Deutz F4L912 1974-1975, Cosmos Deutz F4L912 1967-1972, Europa Deutz F4L912 1967-1972, Mercator Deutz F4L912 1968-1972, Mercator 50 Deutz F4L912 1973-1974, Mercator 60 Deutz F6L912 1973-1981, Mercator 70 Deutz F6L912 1973-1974, Mercator 75R Deutz F6L912 1974-1981, Mercur Deutz F4L912 1967-1972, Senator Deutz F6L912 1966-1972.

NOTE Bosch DD Starter for Claas Combines, Deutz Marine Engines, Fuchs Excavators, International Loaders, KHD Tractors, Liebherr, Poclain.



BOSCH STARTERS FOR CLAAS COMBINES

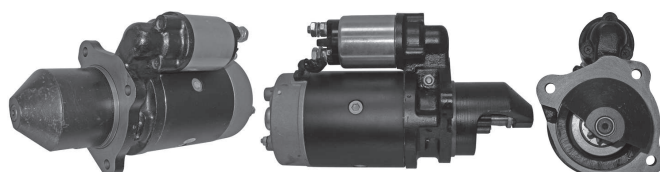


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17106	12	3.0	DD	9T	CW

REPLACE Bosch: 0-001-359-084; 0-001-367-034, -045, -059, -300, -301, -303; Bosch Reman.: SR923X; Iskra: IS0412, 11-130-229, 11-130-412, AZJ3118, AZJ3548; Lucas Electrical: LRS00435; Marelli: MSR699, 9432 522 44; Claas: 105-356-0; Faun: 1701-054; Mercedes: 001-151-94-01, 003-151-05-01, 003-151-73-01, -87-01, 004-151-22-01, -58-01; Pic Book: 120-514, 120-518, 120-518B, 120-518C, 120-518D, 120-524; 182-162 (Iskra); Lester: 17106.

APPLICATIONS CLAAS Combines: Consul MB OM314 1973-1976, Dominator 85 MB OM352 1975-1976, Dominator 86 MB OM352 1981-1993, Mercator 50 MB OM314 1974-1976, Mercator 60 MB OM352 1974-1976, Mercator 75 MB OM352 1974-1976, Mercator 75R MB OM352 1974-1976; Choppers: Jaguar 60SF MB OM352 1974-1975.

NOTE Bosch DD Starter for Claas / New Holland Combines.

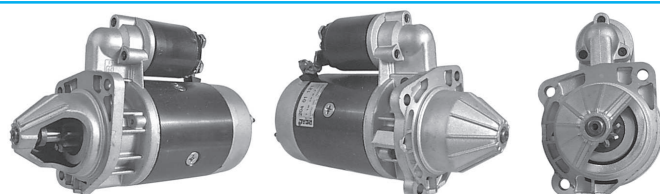


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17127	12	2.4	DD	9T	CW

REPLACE Bosch: 0-001-362-051; Lucas Electrical: LRS1049; Iskra Sales: IS0412, 11-130-229, 11-130-412, AZJ3118, AZJ3548; Lucas Electrical: LRS1049; Claas: 685-381-0; Massey Ferguson: 1075-582-M91; Pic Book: 120-558; Lester: 17127.

APPLICATIONS CLAAS Choppers: Jaguar 60SF MB OM352 1976; Combines: Consul MB OM314 1977-1978, Dominator 85 MB OM352 1977-1985, Dominator 96 MB OM352 1980-1993, Mercator 50 MB OM314 1977-1978, Mercator 60 MB OM352 1977-1993, Mercator 75 MB OM352 1977-1993, Mercator 75R MB OM352 1977-1993.

NOTE Bosch DD Starter for Claas Combines and Massey Ferguson Combines with Mercedes Engines.



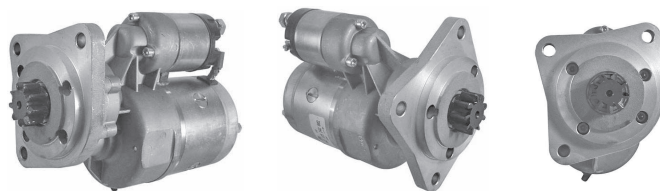
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S120521	12	2.4	DD	9T	CW

REPLACE Bosch: 0-001-362-016, 0-001-362-034, 0-001-362-091, 0-001-362-305; Bosch Reman.: SR926X; Bomag: 057-109-17; Lucas Electrical: LRS1276; Iskra: IS0551, 11-130-117, 11-130-551, AZJ3169, AZJ3508; KHD: 116-4668, 117-8026; Pic Book: 120-521, 120-521B, 182-188 (Iskra Replacement); Lester: 17075.

APPLICATIONS CLAAS Combines: Mercator 60 Deutz F6L912 1982-1993, Mercator 75R Deutz F6L912 1982-1993.

NOTE Bosch DD Starter for Atlas Copco, Claas Combines with Deutz-KHD Engines, Iveco Trucks, Liebherr Excavators.

MAGNETON STARTERS FOR CLAAS COMBINES



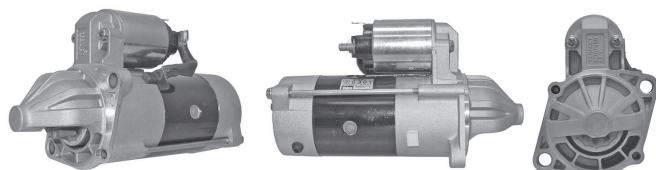
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S2802	12	3.0	OSGR	9T	CW

REPLACE Magneton: 443-115-142-802, 9-142-802; Bosch Reman.: SR926X; Iskra: IS0552, 11-130-026, 11-130-484, 11-130-552; AZJ0402, AZJ3128, AZJ3170; Bomag: 057-109-17, 057-109-90; Fendt: G380-900-060-010; KHD: 116-4668, 116-4669, 117-4166, 117-4167, 117-5726, 117-5886, 117-8686, B13R-12X4-H7622, B28R-12X4-H7622, B4R-12X3-H7622; Pic Book: 105-204.

APPLICATIONS CLAAS Combines: Consul Deutz F4L912 1967-1974, Corsar Deutz F4L912 1974-1975, Cosmos Deutz F4L912 1967-1972, Europa Deutz F4L912 1967-1972, Mercator Deutz F4L912 1968-1972, Mercator 50 Deutz F4L912 1973-1974, Mercator 60 Deutz F6L912 1973-1981, Mercator 70 Deutz F6L912 1973-1974, Mercator 75R Deutz F6L912 1974-1981, Mercur Deutz F4L912 1967-1972, Senator Deutz F6L912 1966-1972.

NOTE Magneton OSGR Replacement Starter for the Bosch S17074 (Lester 17074 / Bosch Reman. SR912X).

MANDO / VALEO STARTERS FOR DAEDONG TRACTORS



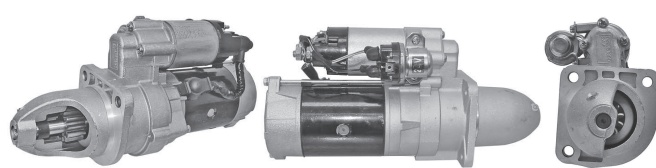
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
SMG117559	12	1.7	PLGR	9T	CW

REPLACE Valeo: TM000A07101; Mando: MG117559; Daedong: E5500-6301, E5500-6314; Mahindra: E55006315; Pic Book: 103-520; Lester: 19601.

APPLICATIONS DAEDONG Coyote Tractor 22HP Diesel, MAHINDRA 4110 Farm Tractor.

NOTE Mando PLGR Starter for Coyote Daedong Tractor Diesel, Mahindra Farm Tractor. Replace Delco 140-6090 and Denso 190-374.

MANDO / VALEO STARTERS FOR DAEWOO EXCAVATORS



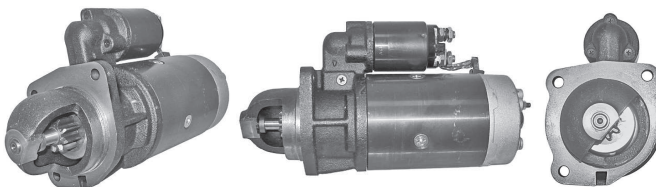
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S7049	24	6.0	OSGR	11T	CW

REPLACE Valeo: TM000A0301; Mando: M00A0301, M35017; Daewoo: 26201-7049, 65.26201-7059; Pic Book: 108-483; Lester: 19797.

APPLICATIONS DAEWOO Loader with DE12 Engine, DAEWOO Excavators: 170W-III, 200-III, 220LC-III.

NOTE Korean Valeo OSGR Starter for Daewoo Loaders and Excavators.

BOSCH STARTERS FOR DEUTZ / DEUTZ-FAHR TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17074	12	3.0	DD	9T	CW

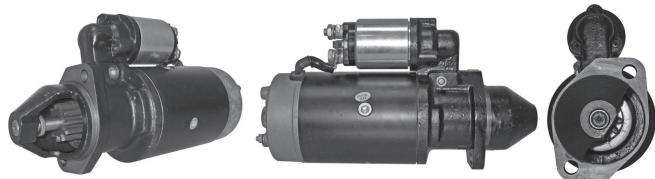
REPLACE Bosch: 0-001-358-044, 001-358-046, 0-001-358-048, 0-001-358-049, 0-001-359-027, 0-001-359-049, 0-001-359-073, 0-001-362-305, 0-001-367-004; Bosch Reman.: SR926X; Iskra: IS0552, 11-130-026, 11-130-484, 11-130-552; AZJ0402, AZJ3128, AZJ3170; Lucas Electrical: LRS921; Marelli: 9432 522 04, MSR697, MT74G; Bomag: 057-109-01, -05, -23, -27, -91, -92; Fendt: X830-100-001; International: V941501; KHD: 116-1364, 116-3669, 116-4994, 117-3240, 117-3280, 117-8026, B15R-12X3-H7622, B23R-12X3-H7622; Liebherr: 610-71-08; Poclain: N-0041596; Pic Book: 120-507, 120-513, 120-516, 120-530, 182-104 (Iskra Replacement); Lester: 17074.

APPLICATIONS DEUTZ Farm Tractors: D13006 BF6L912 Engine 1972-1978, D4006 F3L912 Diesel 1968-1978, D4506 F3L912 Diesel 1974-1980, D5006 F3L912 Diesel 1968-1974, D5206 F3L912 Diesel 1975-1980, D5506 F4L912 Diesel 1968-1974, D6006 F4L912 Diesel 1968-1974, D6206 F4L912 Diesel 1975-1980, D6806 F4L912 Diesel 1975-1980, D7006 F4L912 Diesel 1970-1974, D7206 F4L912 Diesel 1975-1980, DX110 F6L912 Diesel 1979-1981, DX85 F5L912 Diesel 1979-1981, DX90 F5L912 Diesel 1979-1981; DEUTZ-ALLIS Farm Tractors: 6240 3-172 Diesel 1986-1992, 6250 3-172 Diesel 1986-1992, 6260 3-187 Diesel 1986-1992, 7110 6-374 Diesel 1987-1992, 7120 6-374 Diesel 1987-1992, 7145 6-374 Diesel 1987-1992; DEUTZ-FAHR Combines: M980 F4L912 Diesel 1981-1982; Tractors D6507 F4L912 Diesel 1983-1984, D7007 F4L912 Diesel 1983-1985, D7807 F4L913 Diesel 1983-1984; Tractors Intrac: 2002 F3L912 Diesel 1973-1976, 2003 F4L912H Diesel 1974-1980, 2004 F4L912 Diesel 1978-1982.

NOTE Bosch DD Starter for Claas Combines, Deutz Marine Engines, Fuchs Excavators, International Loaders, KHD Tractors, Liebherr, Poclain.



BOSCH STARTERS FOR DEUTZ / DEUTZ-FAHR TRACTORS

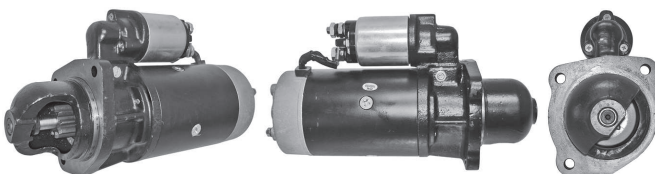


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17113	12	3.0	DD	11T	CW

REPLACE Bosch: 0-001-358-020, 0-001-358-051, 0-001-359-004, 0-001-359-108, 0-001-367-013; **Lucas Electrical:** LRS00932, LRS02242; **Lucas Reman.:** S0932; **Iskra Sales:** IS0201; **Same:** 296191400, 296191800; **Steyr:** 406090009, 4080090008, 40800090010; **Pic Book:** 120-505, 120-505A; **Lester:** 17113.

APPLICATIONS DEUTZ Farm Tractors: T650 Volvo Engine 1970-1971.

NOTE Bosch DD Starter for Deutz Tractors, Same Tractors and White Farm Tractors.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18025	12	3.0	DD	10T	CW

REPLACE Bosch: 0-001-367-074; **KHD:** 654-1008; **Pic Book:** 120-563; **Lester:** 18025.

APPLICATIONS DEUTZ-FAHR Combines: M1080 F5L912 Diesel 1988-1994, M1202 F5L912 Diesel 1988-1994, M2385 F5L912 Diesel 1988-1994, M3330 F3L912 Diesel 1987-1994, M3360 F4L912 Diesel 1987-1994, M3570 F6L913 Diesel 1987-1994, M3580 BF6L913 Diesel 1987-1994, M3610 BF6L913C Diesel 1987-1994, M3630 BF6L913C Diesel 1987-1994, M3640 F8L913F Diesel 1987-1994, M980 F4L912 Diesel 1987-1994.

NOTE Bosch DD Starter for Deutz-Fahr Combines with KHD Diesel. Three Hole Mounting.



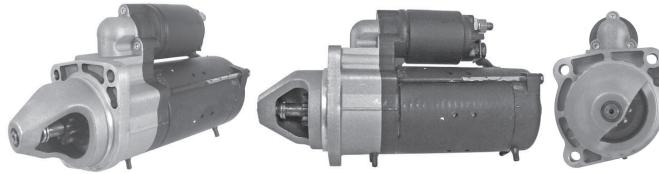
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18026	12	3.1	DD	9T	CW

REPLACE Bosch: 0-001-369-014, 0-001-369-024; **Bosch Reman.:** SR9942X; **Iskra:** IS0567, 11-130-567, AZJ3179; **Lucas Electrical:** LRS987; **KHD:** 117-9318, 117-9319; **Pic Book:** 120-590, 182-120 (Iskra Replacement); **Lester:** 18026.

APPLICATIONS DEUTZ Combines: M1080 F5L912 Diesel 1992-1994, M1202 F5L912 Diesel 1992-1994, M2385 F5L912 Diesel 1992-1994, M3330 F3L912 Diesel 1992-1994, M3360 F4L912 Diesel 1992-1994, M980 F4L912 Diesel 1992-1994; Tractors: D6807 F4L912 Diesel 1992-1994, D7007 F4L912 Diesel 1992-1994, DX3.10 F3L912 Diesel 1992-1994, DX3.30 F3L912 Diesel 1992-1994, DX3.50 F3L913 Diesel 1992-1994, DX3.60 F4L912 Diesel 1992-1994, DX3.70 F4L912 Diesel 1992-1994, DX3.80 F4L913 Diesel 1992-1994, DX3.90 F4L913 Diesel 1992-1994, DX4.10 F4L912 Diesel 1992-1994, DX4.31 F4L913 Diesel 1992-1994, DX4.50 BF4L913T Diesel 1992-1994, DX4.51 BF4L913T Diesel 1992-1994, DX4.70 BF4L913 Diesel 1992-1994, DX6.05 F6L912 Diesel 1992-1994, DX6.10 F6L912 Diesel 1992-1994, DX6.30 F4L913 / F6L913 1992-1994, DX6.31 BF6L913T Diesel 1992-1994, DX6.50 BF6L913 Diesel 1992-1994, DX6.60 BF6L913 Diesel 1992-1994, DX7-10 BF6L913 Diesel 1992-1994; Tractors Intrac: 6.30 BF6L913T Diesel 1992-1993.

NOTE Bosch DD Starter for Deutz-Fahr Combines with KHD Diesel. Three Hole Mounting.

BOSCH STARTERS FOR DEUTZ / DEUTZ-FAHR TRACTORS

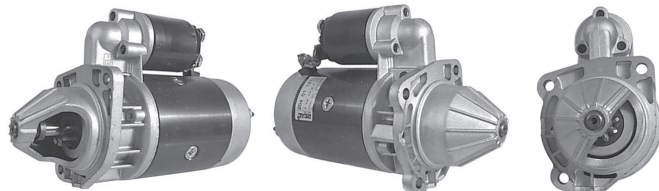


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18232	12	3.2	PLGR	9T	CW

REPLACE Bosch: 0-001-230-006, 0-001-230-014; Bosch Newman.: SR9981N; Iskra: IS0841, 11-130-841, AZF4514; Lucas Electrical: LRS1603; BMW: 12-41-7-754-662; Deutz: 01180928KZ, 1180928; KHD: 118-0928, 118-1976; Mako: 063209501; Pic Book: 120-6045, 120-6442, 182-411 (Iskra Replacement); Lester: 18232.

APPLICATIONS DEUTZ Tractors: D4007 F3L912 Diesel 1980-1984, D4507 / D4507C / D4807 / D4807C F3L912 Diesel 1981-1984, D5207 / D5207C F3L912 Diesel 1981-1984, D6007 / D6007C F3L913 Diesel 1983-1984, D6207 / D6207C F4L912 Diesel 1981-1982, D6507 / D66507C F4L912 Diesel 1983-1984, D6807 / D6807C F4L912 Diesel 1981-1982, D7207 / D7207 F4L912 Diesel 1980-1981, D7807 F4L913 Diesel 1983-1984, DX80 F4L913 Diesel 1983-1985, DX85 F5L912 Diesel 1982-1985, DX86 BF4L913T Diesel 1983-1985, DX90 F5L912 Diesel 1982-1985, DX92 BF4L913, T Diesel 1983-1985, DX110 F6L912 Diesel 1982-1985, DX120 F6L913 Diesel 1981-1985, DX6007 F3L913 Diesel 1982-1985, Intrac 2004 F4L912 Diesel 1983-1987; DEUTZ-ALLIS Tractors: 7085 Diesel 1986-1992; DEUTZ-FAHR Combines: M1080 F5L912 Diesel 1988-1994, M1202 F6L912 Diesel 1988-1994, M2385 F6L912 Diesel 1988-1994, M3330 / M3360 F4L912 Diesel 1987-1994; Tractors: Agrotan 100MK3 Deutz Diesel 2004-On, D6807 F4L912 Diesel 1986-1994, DX3.10 / DX3.30 F3L912 Diesel 1986-1994, DX3.50 F3L913 Diesel 1986-1994, DX3.60 / DX3.90 F4L913 Diesel 1986-1994, DX4.31 F4L913 Diesel 1986-1994, DX4.50 BF4L913T Diesel 1986-1994, DX6.10 F6L912 Diesel 1986-1994.

NOTE Bosch PLGR Starter for Deutz Tractors, Deutz-Allis, Deutz-Fahr Combines with KHD Diesel. Three Hole Mounting.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S120521	12	2.4	DD	9T	CW

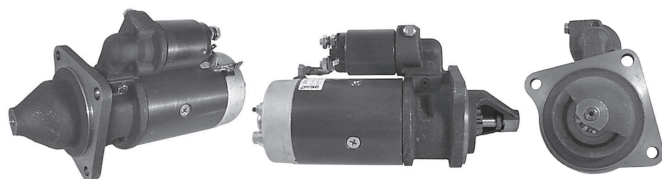
REPLACE Bosch: 0-001-362-016, 0-001-362-034, 0-001-362-091, 0-001-362-305; Bosch Reman.: SR926X; Lucas Electrical: LRS1276; Iskra: IS0551, 11-130-117, 11-130-551, AZJ3169, AZJ3508; KHD: 116-4668, 117-8026; Pic Book: 120-521, -521B, 182-188 (Iskra Replacement); Lester: 17075.

APPLICATIONS DEUTZ Farm Tractors: D4007 F3L912 Diesel 1980-1984, D4507 F3L912 Diesel 1981-1984, D4807 F3L912 Diesel 1980-1981, D5207 F3L912 Diesel 1981-1984, D6007 F4L912 Diesel 1983-1984, D6207 F4L912 Diesel 1981-1982, D6507 F4L912 Diesel 1983-1984, D6807 F4L912 Diesel 1981-1982, D7207 F4L912 Diesel 1980-1981, D7807 F4L913 Diesel 1980-1984, DX110 F6L912 Diesel 1982-1985, DX120 F6L913 Diesel 1981-1985, DX6007 F3L913 Diesel 1982-1985, DX85 F5L912 Diesel 1982-1985, DX86 BF4L913T Diesel 1983-1985, DX90 F5L912 Diesel 1982-1985, DX92 BF4L913 Diesel 1983-1985; DEUTZ-FAHR Combines: M1080 F5L912 Diesel 1981-1991, M1202 F5L912 Diesel 1981-1991, M2385 F5L912 Diesel 1982-1991, M3330 F3L912 Diesel 1987-1991, M3360 F4L912 Diesel 1987-1991, M980 F4L912 Diesel 1983-1991; Tractors: D6807 F4L912 Diesel 1986-1991, D7007 F4L912 Diesel 1986-1991, DX3.10 F3L912 Diesel, DX3.30 F3L912 Diesel, DX3.50 F3L913 Diesel, DX3.60 F4L912 Diesel, DX3.70 F4L912 Diesel, DX3.80 F4L913 Diesel, DX3.90 F4L913 Diesel, DX4.10 F4L912 Diesel, DX4.31 F4L913 Diesel, DX4.50 BF4L913T Diesel 1986-1991, DX4.51 BF4L913T Diesel 1990-1991, DX4.70 BF4L913 Diesel 1984-1991, DX6.05 F6L912 Diesel 1986-1991, DX6.10 F6L912 Diesel, DX6.30 F4L913 / F6L913 1986-1991, DX6.31 BF6L913T Diesel 1990-1991, DX6.50 BF6L913 Diesel 1984-1991, DX6.60 BF6L913 Diesel 1988-1991, DX7-10 BF6L913 Diesel 1984-1991; Tractors Intrac: 2004 F4L912 Diesel 1983-1984, 6.30 BF6L913T Diesel 1989-1991, 6.30 F6L913 Diesel 1988.

NOTE Bosch DD Starter for Atlas Copco, Claas Combines with Deutz-KHD Engines, Iveco Trucks, Liebherr Excavators.



BOSCH STARTERS FOR FIAT / FIAT-ALLIS TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17092	12	3.0	DD	9T	CW

REPLACE Bosch: 0-001-359-122, 0-001-367-029, 0-986-012-720; Bosch Reman.: SR911X; Lucas Electrical: LRS940; Iskra: IS0366, 11-130-366, 11-130-697, AZJ3237, AZJ3594; Lucas Reman.: S0940; Marelli: 632 168 02, 33, 73, 96, 98; MT68B, BA, BB, LA, LB, LC; MSN220, MSN224; Fiat: 2022519, 4713806, 4737759, 4755110, 8820520; Pic Book: 120-528, 120-543, 102-308 (Marelli Version), 182-148 (Iskra Replacement); Lester: 17092.

APPLICATIONS FIAT-HESSTON Tractors: 100.90 8065 (5.4L) Diesel 1988, 110.90 8065 (5.9L) Diesel 1988, 115.90 8065 (5.9L) Diesel 1988-1991, 130.90 8065 (5.9L) Diesel 1988-1991, 140.90 8065 (5.9L) Diesel 1988, 160.90 8365 (8.1L) Diesel 1988, 180.90 8365 (8.1L) Diesel 1988, 90.90 8055 (5.0L) Diesel 1988-1991, 95.55 8055 (5.0L) Diesel 1988-1991, F100 8065 (5.9L) Diesel 1990, F110 8065 (5.9L) Diesel 1990-1993, F120 8065 (5.9L) Diesel 1990, F130 8065 (5.9L) Diesel 1990, F140 8065 (5.9L) Diesel 1993.

NOTE Bosch / Marelli DD Starters for Fiat Tractors, Iveco Trucks, New Holland Tractors



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17093	12	2.7	DD	9T	CW

REPLACE Bosch: 0-001-362-032, 0-001-362-039, 0-001-362-322; Lucas Electrical: LRS850; Iskra: IS0203, 11-130-203, AZJ3538; Allis Chalmers: 209331-3; Fiat: 4172113, 4710224, 4728682, 4739353, 4745279, 4745929, 4759929, 4807373; Pic Book: 120-597, 120-597A, 120-597B, 182-140 (Iskra Replacement); Lester: 17093.

APPLICATIONS FIAT-ALLIS Crawlers: 4 8035 Diesel 1971-1978; Wheel Loaders: FL-4C 8035 Diesel 1971-1978; FIAT-HESSTON Tractors: 45.66 8035 (2.7L) Diesel 1985, 55.46 8035 (2.7L) Diesel 1988, 55.56 8035 (2.7L) Dsl 1988, 55.65 8035 (2.7L) Dsl 1988-1989.

NOTE Bosch DD Starter for Allis Chalmers, Fiat-Allis, Long and White Tractors. For Marelli Replacement Use S17126.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17111	12	3.0	DD	9T	CW

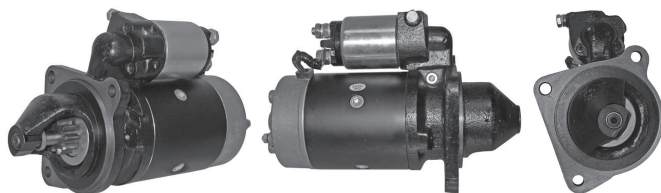
REPLACE Bosch: 0-001-359-021, 0-001359-102, 0-001-367-028, 0-001-367-082; Bosch Reman.: SR914X; Lucas Electrical: LRS182, LRS847; Bosch Newman.: SR9980N; Iskra: IS0403, 11-130-140, 11-130-199, 11-130-322, 11-130-403, 11-130-410, AZJ3517, AZJ3535, AZJ3582, AZJ3110, AZJ3116; Marelli: 63216825, 63216826, 27, 63216831, 63213615, 943216831; MT68A, MT68AA, AB, AC, AD; MSN219; Fiat: 4169096, 4699705, 4737755, 4755109, 88206006; Iveco: 500333271; Pic Book: 120-526, 120-526A, 102-311, 102-312 (Marelli Version), 182-154 (Iskra Replacement); Lester: 17111, 18029.

APPLICATIONS FIAT-ALLIS Crawlers: 545B 8061 Diesel 1971-1982; Graders: FG-65A 8041 Diesel 1984-1988; Wheel Loaders: 545B 8061 Diesel 1982-1983; FIAT-HESSTON Tractors: 55.85 8035 (2.7L) Diesel 1992, 65.46 8045 (3.6L) Diesel 1988, 65.56 8045 (3.6L) Diesel 1990, 65.66 8045 (3.6L) Diesel 1987, 65.88 8045 (3.6L) Diesel 1989, 65.90 8045 (3.6L) Diesel 1987, 70.56 8045 (3.6L) Diesel 1990, 70.65 8045 (3.6L) Diesel 1988-1989, 70.66 8045 (3.6L) Diesel 1984, 70.75 8045 (3.6L) Diesel 1989, 70.76 8045 (3.6L) Diesel 1990, 70.86 8045 (3.6L) Diesel 1992, 70.88 8045 (3.6L) Diesel 1989, 70.90 8045 (3.6L) Diesel 1989, 80.65 8045 (3.9L) Diesel 1988-1989, 80.66 8045 (3.9L) Diesel 1988, 80.75 8045 (3.9L) Diesel 1989, 80.88 8045 (3.9L) Diesel 1989, 80.90 8045 (3.9L) Diesel 1988, 82.86 8045 (3.9L) Diesel 1992, 85.55 8045 (3.9L) Dsl 1988-1989, 85.90 8045 (3.9L) Dsl 1991.

NOTE Bosch / Marelli DD Starter for AIFO Marine Diesel Engines, Fiat-Allis Tractors, Iveco Trucks, Long Tractors.



BOSCH STARTERS FOR FIAT / FIAT-ALLIS TRACTORS

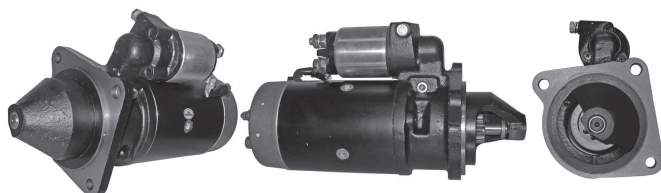


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18031	24	3.2	DD	9T	CW

REPLACE Bosch: 0-001-363-101, 0-001-363-111, 0-986-011-160; Lucas Electrical: LRS829; Iskra: IS0216, 11-130-146, 11-130-216, AZJ520, AZJ3542; Fiat: 4691200, 4706931, 4747811, 4744841, 9292162; Iveco: 504038038, 504072485; Marelli: 632 172 29, MT72AA; Pic Book: 120-567, 102-336 (Marelli), 182-134 (Iskra Replacement); Lester: 18031.

APPLICATIONS FIAT-ALLIS Excavators: FE-12 8041 Diesel 1982-1985, S-60 8045 Diesel 1970-1980; Wheel Loaders: FR-7 8041 Diesel 1983-1985.

NOTE Bosch DD Starter for Fiat-Allis Excavators and Iveco Trucks. Three Hole Mounting.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18033	24	4.0	DD	9T	CW

REPLACE Bosch: 0-001-360-063, 0-001-368-020, 0-986-011-330; Lucas Electrical: LRS841; Iskra: IS0490, 11-130-124, 11-130-490, AZJ3131, AZJ3515; Fiat: 4706008, 4716026, 4737756, 4755111, 77050262, 77050562; Pic Book: 120-571, 120-571A, 182-118 (Iskra Replacement); Lester: 18033.

APPLICATIONS FIAT-ALLIS Crawlers: 645B 8361 Diesel 1971-1982; Wheel Loaders: 645B 8361 Diesel 1981-1983, FW110, FW130, FW90.

NOTE Bosch DD Starter for Fiat-Allis Crawlers / Wheel Loaders. This Unit May Interchange with Marelli SMT67C (Lester 18093). Three Hole Mounting.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18037	24	5.4	DD	10T	CW

REPLACE Bosch: 0-001-416-046; Iskra: IS9136, 11-139-150, AZK5496; Fiat: 7486023; Pic Book: 120-820, 182-678 (Iskra Replacement); Lester: 18037.

APPLICATIONS FIAT-ALLIS Crawler Loaders: FL-5 8045 Diesel 1981-1988, FL-5B 8045 Diesel 1988-1995; Crawlers FD-5 8045 Diesel 1981-1995.

NOTE Bosch 24V FKB Type Starter for Fiat-Allis Crawlers and Crawler Loaders (Diesel).

MAGNETI MARELLI STARTERS FOR FIAT-ALLIS APPLICATIONS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17126	12	2.5	DD	9T	CW

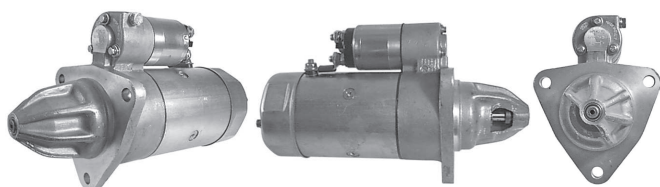
REPLACE Marelli: 63217101, 63217125, 63217126, 63217148; MT71A, AA, AB; MSN227, MSN229; Lucas Electrical: LRS850; Iskra: IS0203, 11-130-203, AZJ3538; Lucas Reman.: S0850; Allis Chalmers: 2093331-3; Fiat: 4739353, 4745279, 4745929, 4759929, 4807373; Pic Book: 102-313, 102-330, 120-597, 120-597A, 120-597B (Bosch Versions), 182-140 (Iskra Replacement); Lester: 17126.

APPLICATIONS FIAT-ALLIS Wheel Loaders: FL-4C 8035 Diesel 1971-1978.

NOTE Marelli DD Starter for Allis Chalmers and Fiat-Allis Tractors. For Bosch Replacement Use S17093.



MAGNETI MARELLI STARTERS FOR FIAT-ALLIS APPLICATIONS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S947	24	4.0	DD	9T	CW

REPLACE Marelli: 63216706, 63216738, 63216763, MT67F, MT67FA, MT67FB, MSN216; **Lucas Electrical:** LRS947; **Fiat:** 4723282, 473761; **Pic Book:** 102-320, 102-320A; **Lester:** 18094.

APPLICATIONS FIAT-ALLIS Graders: FG-75 8365 Diesel 1986-1995, FG-85 8365 Diesel 1986-1995, FG-95 8365 Diesel 1986-1995.

NOTE Marelli DD Starter for Fiat-Allis Graders with 8365 Diesel: FG-75, FG-85, FG-95 1986-1995.

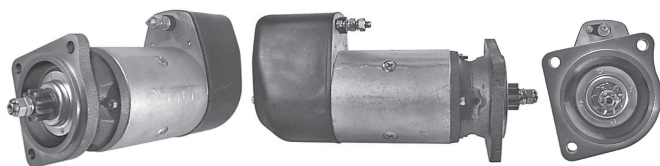


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
SMT16PE	24	8.5	DD	12T	CW

REPLACE Marelli: 63211675, 63211677, 63211681, MT16PC, MT16PD, MT16PE, MSR650; **Lucas Reman.:** S0853; **Fiat:** 4075239, 4717605; **Pic Book:** 102-315; **Lester:** 17322.

APPLICATIONS FIAT-ALLIS Crawler Loaders: FL-12 8065 Diesel 1973-1983, FL-20 8205 Diesel 1972-1980; Crawlers: 14 8205 Diesel 1970-1975, 14B 8205 Diesel 1973-1981, 20 8215 Diesel 1971-1981; Excavators: S-15 8205 Diesel 1970-1982; Wheel Loaders: FL-14 8205 Diesel 1970-1977, FL-14B 8205 Diesel 1973-1981, FL-14BF 8205 Diesel 1973-1984, FL-14C 8205 Diesel 1977-1984, FL-20 8215 Diesel 1972-1980, FL-20B 8205 Diesel 1986-1992. FR-12 8065 Diesel 1970-1980, FR-12C 8065 Diesel 1970-1981.

NOTE Marelli DD Starter for Fiat-Allis Crawlers and Loaders with 8065, 8205, and 8215 Diesel Engines.

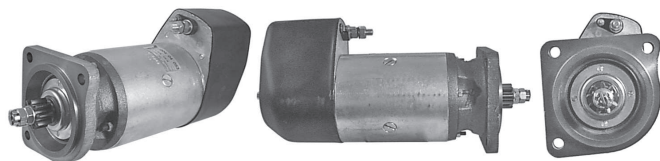


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
SMT38QB	12	4.0	DD	9T	CW

REPLACE Marelli: 63213853, 63213855, 63224600, 943213853, MT38Q, MT38QA, MT38QB, MT38TB, MSN212; **Iskra:** IS0203, 11-130-203, AZJ3538; **Lucas Electrical:** LRS397; **Lucas Reman.:** S4537; **Fiat:** 2022507, 4169093, 4271113; **Pic Book:** 102-316, 182-140 (Iskra Replacement); **Lester:** 16659.

APPLICATIONS FIAT-ALLIS Industrial Crawlers: TL-5 8035 Diesel 1970-1972, TL-5H 8035 Diesel 1971-1974; Graders: FG-65A 8041 Diesel 1984-1988; Wheel Loaders: 545B 8061 Diesel 1982-1983, FL-4D 8035 Diesel 1974-1978.

NOTE Marelli DD Starter for Oliver, Fiat-Allis Crawlers and Wheel Loaders with Marelli 8035, 8041, and 8061 Diesel Engines.



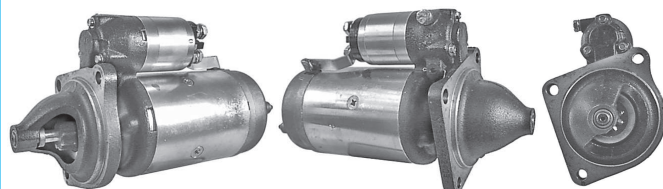
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
SMT43PA	24	4.0	DD	9T	CW

REPLACE Marelli: 63214376, 63216333, 943214376, MT43PA, MSR651; **Lucas Reman.:** S0851; **Fiat:** 4199576; **Pic Book:** 102-318; **Lester:** 17323.

APPLICATIONS FIAT-ALLIS Industrial Crawlers: 10B CO3 Diesel 1970-1985, 10B CP3 Diesel 1973-1981, 7C CO3 Diesel 1972-1979, 7D CO3 Diesel 1980-1983, 9 CO3 Diesel 1970-1981, 9P CO3 Diesel 1970-1985; Wheel Loaders: FL-10 CP3 Diesel 1973-1981, FL-10B CO3 Diesel 1973-1981, FL-8C Diesel Engines 1975-1981.

NOTE Marelli DD Starter for Fiat-Allis Crawlers and Wheel Loaders with Marelli Diesel.

MAGNETI MARELLI STARTERS FOR FIAT-ALLIS APPLICATIONS



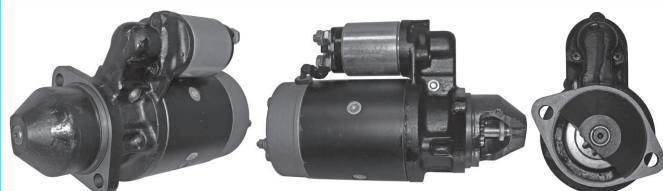
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
SMT67AD	24	4.0	DD	9T	CW

REPLACE **Marelli:** 63216701, 63216725, 63216726, 63216727, 63216731, 63216747, MT67A, MT67AA, MT67AB, MT67AC, MT67AD, MT67DA, MSN213; **Lucas Electrical:** LRS2144; **Iskra:** IS0492, 11-130-492, AZJ3133; **Fiat:** 4231018, 42498212, 4682999, 4692477, 4699704, 4737754, 4807378, 4735444, 77040561, 7740560; **Pic Book:** 102-310, 102-310A, 120-565, 120-565A, 120-565B (Bosch), 182-105 (Iskra Replacement); **Lester:** 18092.

APPLICATIONS FIAT-ALLIS Industrial Crawler Loaders: FL-5 8045 Diesel 1981-1988, FL-5B 8045 Diesel 1988-1995; Graders: 65B 8061 Diesel 1986-1995; Wheel Loaders: FR70, FR90.

NOTE Marelli DD Starter for Fiat-Allis Crawlers and Graders with Marelli Diesel. The Bosch 18030 Should Interchange.

BOSCH STARTERS FOR FORD / NEW HOLLAND TRACTORS

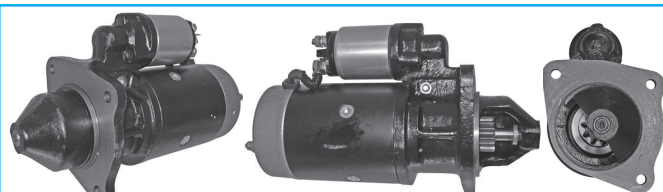


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17112	12	2.4	DD	9T	CW

REPLACE **Bosch:** 0-001-358-047, 0-001-362-046, 0-986-011-040; **Bosch Reman.:** SR906X; **Lucas Electrical:** LRS569; **Iskra:** IS0612, 11-130-612, AZJ3192; **Bomag:** 057-109-28; **KHD:** 116-1890, 117-1481; **Koppel:** 936-280; **Pic Book:** 120-523, 120-529 (Early Version), 182-198 (Iskra Replacement); **Lester:** 17112.

APPLICATIONS New Holland Skid Steer Loaders: L445 F2L511D Deutz 1975-1983, L451 F2L511D Deutz 1983-1985.

NOTE Bosch DD Starter for Atlas and New Holland Loaders with Deutz Engines.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18024	12	3.1	DD	10T	CW

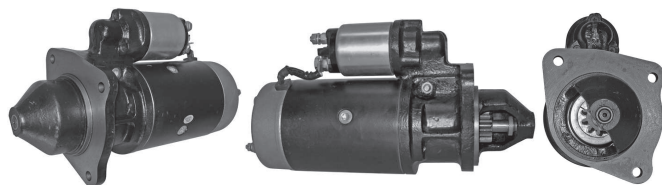
REPLACE **Bosch:** 0-001-369-015, 0-001-369-023, 9-007-044-014; **Lucas Electrical:** LRS1322; **Iskra:** IS0627, 11-130-627, AZJ3201; **Ford:** F0NN-11000-BA, -CA; **New Holland:** 3918668, 81866002, 82005342, 82007917, 82013922, 89821291; **Pic Book:** 120-553, 120-553B, 120-562, 182-208 (Iskra Replacement); **Lester:** 18024.

APPLICATIONS Ford Backhoes: 555C 3cyl Diesel 1992, 555D 4-256 Diesel 1992-1997, 555E 4-268 Diesel 1996-1998, 575D 4-256 Diesel 1992-1997, 575E 4-304 Diesel 1996-1998, 655C 4-268 Diesel 1992, 655D 4-268 Diesel 1992-1997, 655E 4-304 Diesel 1996-1997, 675D 4-268 Diesel 1992-1997, 675E 4-304 Diesel 1996-1998; Ford Farm Tractors: 3930 3-201 Diesel 1990-1999, 4630 3-201 Diesel 1990-1999, 4830 3-201 Diesel 1990-1994, 5030 4-256 Diesel 1992-1998, 5610S 4-268 Diesel 1993-1996, 5640 4-268 Diesel 1992-1997, 5640SL 4-268 Diesel 1994-1997, 5640SLE 4-268 Diesel 1994-1997, 6640 4-304 Diesel 1992-1997, 6640SL 4-304 Diesel 1994-1997, 6640SLE 4-304 Diesel 1994-1997, 7740 4-304 Diesel 1992-1997, 7740SL 4-304 Diesel 1994-1997, 7740SLE 4-304 Diesel 1994-1997, 7840 6-401 Diesel 1992-1997, 7840SL 6-401 Diesel 1994-1997, 840SLE 6-401 Diesel 1994-1997, 8240 6-456 Diesel 1992-1997, 8240SL 6-456 Diesel, 8240SLE 6-456 Diesel 1994-1997, 8340 6-456 Diesel 1992-1997, 8340SL 6-456 Diesel 1994-1997, 8340SLE 6-456 Diesel 1994-1997; New Holland Compact Tractors: TB100 4987cc NH Turbo Diesel, TB110 4987cc NH Turbo Diesel, TB120 7480cc NH Diesel, 4392cc NH Turbo Diesel, TB85 4392cc NH Turbo Diesel, TB90 4987cc NH Turbo Diesel 2003; Backhoe Loaders: LB110 2000, LB115 4WS 1998, LB115B 4WS 2000, LB75B 2001, LB90 2000, LB95 2000; Motor Graders: FG65 1999, RG100 5.0L 4cyl 99HP Diesel 2000, RG80 4.4L 4cyl 80HP Diesel 2000; Windrowers: HW300, HW320 1998-2004.

NOTE Bosch DD Starter for Ford / New Holland Tractors. Three Hole Mounting.



BOSCH STARTERS FOR FORD / NEW HOLLAND TRACTORS

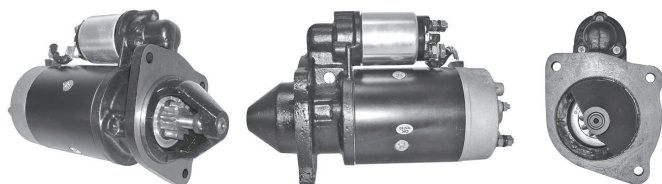


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18227	12	3.0	DD	10T	CW

REPLACE Bosch: 0-001-359-104, 0-001-367-006;
Lucas Electrical: LRS212; **Case:** K302851; **Ford:** D8NN-11000-AA;
Pic Book: 120-552, 120-840; **Lester:** 18227.

APPLICATIONS FORD Tractor 7700 1980-1983.

NOTE Bosch DD Starter for Case Farm Tractor 1690 with 6-329 Diesel Bosch System and Ford Tractors.

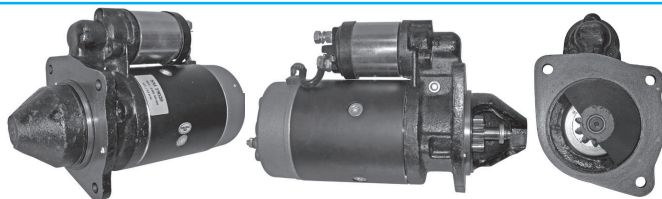


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18034	12	3.6	DD	10T	CW

REPLACE Bosch: 0-001-369-200, 0-001-369-201; **Lucas Electrical:** LRS1498, LRS230; **Iskra:** IS0659, 11-130-659, AZJ3212;
Ford: F00N-7H022-BA, F1NN-11000-AA; **New Holland:** 84036631, 86513093; **Pic Book:** 120-549, 182-218 (Iskra); **Lester:** 18034.

APPLICATIONS FORD / NEW HOLLAND Farm Tractors: 5640 4-268 Diesel 1992-1997, 5640SL 4-268 Diesel 1994-1997, 5640SLE 4-268 Diesel 1994-1997, 6640 4-304 Diesel 1992-1997, 6640SL 4-304 Diesel 1994-1997, 6640SLE 4-304 Diesel 1994-1997, 7740 4-304 Diesel 1992-1997, 7740SL 4-304 Diesel 1994-1997, 7740SLE 4-304 Diesel 1994-1997, 7840 6-401 Diesel 1992-1997, 7840SL 6-401 Diesel 1994-1997, 7840SLE 6-401 Diesel 1994-1997, 8160 6-456 Diesel 1996-1998, 8240 6-456 Diesel 1992-1997, 8240SL 6-456 Diesel 1994-1997, 8240SLE 6-456 Diesel 1994-1997, 8260 6-456 Diesel 1996-1998, 8340 6-456 Diesel 1992-1997, 8340SL 6-456 Diesel 1994-1997, 8340SLE 6-456 Diesel 1994-1997, 8360 6-456 Diesel 1996-1998, 8560 6-456 Diesel 1996-1998; NEW HOLLAND Skid Steer Loaders: LS190 450/NC Diesel 2000, LX985 450/NC Diesel 1998-1999.

NOTE Bosch DD Starter for Ford Farm Tractors (Diesel). Similar to the Bosch (Lester 18372) 3.1 Kw Unit. Three Hole Mounting.



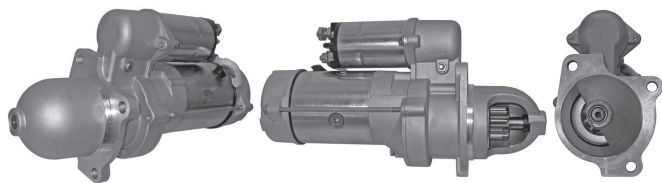
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18372	12	3.1	DD	10T	CW

REPLACE Bosch: 0-001-369-020; **Bosch Reman.:** AL5057X;
New Holland: 86513093; **Pic Book:** 120-492; **Lester:** 18372.

APPLICATIONS NEW HOLLAND Skid Steer Loaders: L781 Ford 201 Diesel 1984-1993, L783 Ford 201 Diesel 1988-1995, L785 Ford 201 Diesel 1984-1994, L865 332T Diesel 1994-1999, LS180 332T Diesel 2000, LX865 332T Diesel 1994-1999, LX885 332T Diesel 1994-1999.

NOTE Bosch DD Starter for New Holland Skid Steer Loaders. Similar to the Bosch 0-001-369-200 (Lester 18034) 3.6 Kw Unit. Three Hole Mounting.

DELCO STARTERS FOR FORD / NEW HOLLAND TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S6571N	12	3.5	OSGR	12T	CW

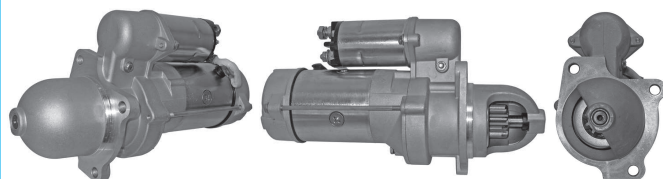
REPLACE Delco: 10461445, 10465058, 1113273, 323-451;
Lucas Electrical: LRS1384; **Bobcat:** 6630182, 6649676, 6660797, 6701847, 6714082; **New Holland:** 9800888; **Prestolite:** 35259000;
Pic Book: 140-921, 170-278 (Prestolite Replacement); **Lester:** 6571.

APPLICATIONS NEW HOLLAND Skid Steer Loaders: L555 with Perkins 4-108 Diesel Engine 1989-1993.

NOTE Delco 28MT Series Dry Clutch Starter for Bobcat and Clark with Kubota Engines, Gehl with Perkins Diesel, Hyster, Lister-Petters and New Holland. 3-Term. Solenoid. This Unit Could Replace 1107588, Lester 4280 (25MT). This is the Dry Clutch Version of the 6586.



DELCO STARTERS FOR FORD / NEW HOLLAND TRACTORS

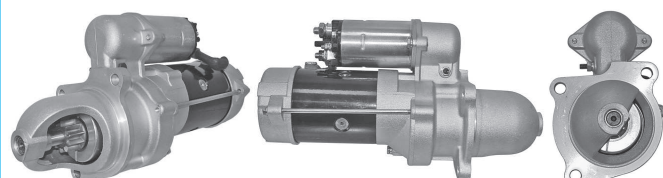


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S6572N	12	2.8	OSGR	10T	CW

REPLACE Delco: 10465044, 10465295, 1113274, 19984668, 323-437; **Iskra Sales:** IS1056; **John Deere:** RE523502; **New Holland:** 9800887; **Pic Book:** 140-925; **Lester:** 6572.

APPLICATIONS NEW HOLLAND Skid Steer Loaders: L783 with Perkins 4-203 Diesel 1989-1995, L785 with Perkins 4-203 Diesel 1989-1994.

NOTE Delco 28MT Series Dry Clutch Starter for New Holland Loaders with Perkins 4-203 Diesel. 3-Terminal Solenoid. This Unit Could Replace 27MT 1107540 (Lester 4276).



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S6576N	12	2.8	OSGR	10T	CW

REPLACE Delco: 323-442, 323-443, 10461450, 10461451, 10465049, 10465050, 1113281, 1113282; **Lucas Electrical:** LRS1230; **Iskra Sales:** IS1063; **Bobcat:** 6630180, 6630181, 6651210, 6651664; **Pic Book:** 140-924; **Lester:** 6576.

APPLICATIONS NEW HOLLAND Balers: 1426 Caterpillar Engines 1986-1989, 426 Perkins Engines 1982-1985, 1495 Perkins Engines 1982-1985.

NOTE Delco 28MT Series Dry Clutch Starter for Bobcat, Clark, Massey Ferguson and New Holland with Perkins, Isuzu and Caterpillar Engines. This Unit Looks Like, and Could Replace Delco DD 25 MT Starter (1109253, Lester 4887). For Sealed Wet Clutch Version Use Delco S6578N Unit.

HITACHI STARTERS FOR FORD / NEW HOLLAND TRACTORS



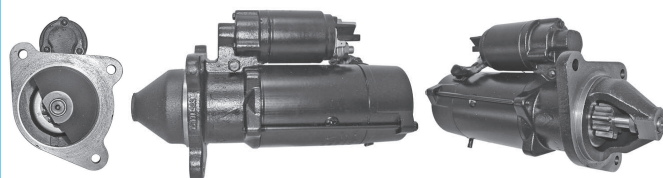
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
SHY381	12	1.2	DD	9T	CW

REPLACE Hitachi: S114-381; **Lucas Electrical:** LRS1321; **Ford / New Holland:** SBA18508-6321; **Ishikawajima:** 18508-6321; **Onan:** 185-2166; **Perkins:** 185086321; **Pic Book:** 104-142, 120-486 (Bosch Version); **Lester:** 17300.

APPLICATIONS FORD / NEW HOLLAND Skid Steer Loaders: CL25 Shibaura Diesel 1983-1986; Compact Tractors: 1310 3-58 Shibaura Diesel 1983-1986, 1510 3-68 Shibaura Diesel 1983-1986.

NOTE Hitachi DD Starter for Boss Light Tower with Perkins Engine, Ford / New Holland Tractors, Lincoln Welder, Onan with Isuzu Engine. Will Replace Bosch 0-001-107-078 (120-486) for Perkins.

ISKRA STARTERS FOR FORD / NEW HOLLAND TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S1016	12	3.0	DD	10T	CW

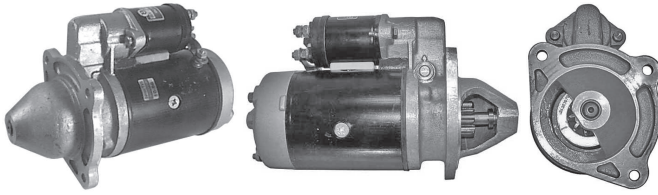
REPLACE Iskra: IS1016, 11-130-785, 11-131-027, 11-131-430, AZF4115, AZF4511, AZF4539; **Lucas Electrical:** LRS1637; **Case:** 82021372, 87318759, 87653221; **New Holland:** 82013134, 82014160, 82015723, 82021372; **Pic Book:** 182-450; **Lester:** 19653.

APPLICATIONS Sperry New Holland Tractors with 7.5L 6 Cyl. Diesel: 8610, 8670, 8770, TM115, TM125, TM150, TM165, TS115, TV140 1999-2002.

NOTE Iskra DD Starter for Case Farm Tractors and Sperry New Holland Industrial Applications.



LUCAS-MARELLI STARTERS FOR FORD / NEW HOLLAND

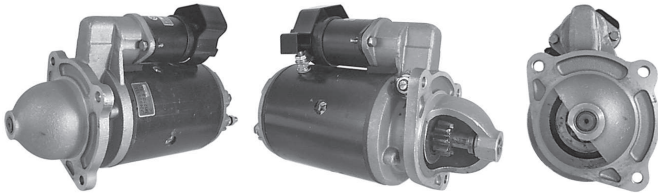


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S230	12	2.7	DD	10T	CW

REPLACE Lucas: 26137, 26147, 26339E, 26339F, 26364, 27426; Lucas Reman.: S4512; Lucas Electrical: LRS230; Iskra: IS0624, 11-130-624, AZJ3198; Ford: D2NN-11000-A, D4NN-11000-A, D7NN-11000-AR, D8NN-11000-DA; New Holland: 83943890; Pic Book: 180-355, 180-355A, 182-206 (Iskra); Lester: 16606.

APPLICATIONS FORD Farm Tractors: 2600 3-158 Diesel 1975-1981, 5600 4-233 Diesel 1975-1981; Ford Industrial Tractors: 540 3-201 Diesel 1979-1981; FORD / NEW HOLLAND Farm Tractors: 3000 3-158 Diesel 1965-1975, 3000 3-175 Diesel 1965-1968, 3600 3-175 Diesel 1975-1981, 3610 3-192 Ford Diesel 1981-1983, 3900 3-192 Ford Diesel 1975-1981, 3910 3-192 Ford Diesel 1983-1990, 4000 3-192 Ford Diesel 1965-1974, 4000 3-201 Ford Diesel 1965-1974, 4100 3-183 Ford Diesel 1965-1981, 4110 3-201 Ford Diesel 1965-1990, 4140 3-201 Ford Diesel 1965-1974, 4200 3-201 Ford Diesel 1965-1974, 4330 1965-1974, 4340 3cyl Diesel 1965-1974, 4400 3cyl Diesel 1965-1974, 4410 3cyl Diesel 1969-1974, 4500 3cyl Diesel 1965-1974, 4600 3-201 Ford Diesel 1975-1981, 4610 3-201 Ford Diesel 1981-1990; NEW HOLLAND Utility Tractors: 530A 3cyl Diesel 1981-1983, 532 3cyl Diesel 1975-1978, 535 3cyl Diesel 1975-1978.

NOTE Lucas M45G / 2M113 Series DD Starter for Ford / New Holland Tractors. 17294 (OE S13-61) is the Hitachi Version, 19776 (0-001-362-067) is the Bosch Version of This Unit.



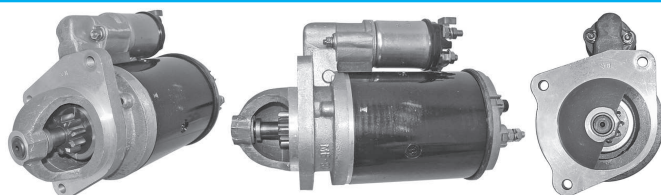
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
SM127L	12	2.8	DD	10T	CW

REPLACE Lucas: 26211, 26211M/T, 26211U, 26291A, 26291D, 26338A, 26338B, 26338D, 26338F, 26339A, 26339B, 26339D, 26339K, 26395, 26395A, 26395H, NSB520; Lucas Reman.: S5012; Lucas Electrical: LRS212; Bosch Reman.: SR400X; Iskra: IS0579, 11.130.579, AZJ3182; Marelli: 63227569, MSN202; Case: K308650; Ford: C6NF-11000-A, C7NN1000-A, D0NN-11000-A, -11000-B, D1NN-11000-A, D2NN-11000-B, D4NN-11000-B, D7NN-11000-B, D8NN-11000-CA, D9NN-11000-AA; New Holland: 82005342; Pic Book: 180-300, 180-300A, 180-300B, 180-300C, 180-300D, 180-300E, 180-300F, 182-339 (Iskra Replacement); Lester: 16608.

APPLICATIONS FORD Industrial Backhoes: 420 3-175 Diesel 1975-1978, 455 3cyl Diesel 1987-1988, 455C 3-201 Diesel 1989-1992, 455D 3-201 Diesel 1992-1997, 5500 Diesel Engines 1967-1973, 555 3cyl Diesel 1978-1984, 555A 3cyl Diesel 1984-1985, 555B 3cyl Diesel 1985-1988, 555C 4-256 Diesel 1989-1991, 650 4-256 Diesel 1975-1977, 6500 1973-1976, 655A 4-256 Diesel 1985-1988, 655C 4-268 Diesel 1989-1991, 750 4cyl Diesel 1975-1979, 7500 1973-1976, 755 4cyl Diesel 1979-1984, 755A 4cyl Diesel 1984-1986; Combines: 620, 622 Gas or Diesel Engines 1967-1974; FORD / NEW HOLLAND Farm Tractors: 2100 3cyl Diesel 1965-1974, 2110 3cyl Diesel 1965-1974, 2120 3cyl Diesel 1965-1974, 2300 3cyl Diesel 1965-1974, 2310 3-158 Diesel 1982-1983, 2310 3cyl Diesel 1965-1974, 2610 3-175 Diesel 1981-1983, 2810 3-158 Diesel 1984-1990, 2910 3-175 Diesel 1983-1990, 3000 3-158 Diesel 1965-1975, 3000 3-175 Diesel 1965-1968, 3100 3cyl Diesel 1965-1974, 3110 3cyl Diesel 1965-1974, 3120 3cyl Diesel 1965-1974, 3190 3cyl Diesel 1965-1974, 3230 3-192 Diesel 1990-1993, 3300 3cyl Diesel 1965-1974, 3310 3cyl Diesel 1965-1974, 3330 3cyl Diesel 1965-1974, 3400 3cyl Diesel 1965-1975, 3430 3-192 Diesel 1990-1998, 3500 3cyl Diesel 1975-1981, 3550 3cyl Diesel 1965-1974, 3600 3-175 Diesel 1975-1981, 3610 3-192 Diesel 1981-1983, 3900 3-192 Diesel 1975-1981, 3910 3-192 Diesel 1983-1990, 4000 3-192 Diesel 1965-1974, 4000 3-201 Diesel 1965-1974, 4100 3-183 Diesel 1965-1981, 4110 3-201 Diesel 1965-1990, 4140 3-201 Diesel 1965-1974, 4200 3-201 Diesel 1965-1974, 4330 3cyl Diesel 1965-1974, 4340 3cyl Diesel 1965-1974, 4400 3cyl Diesel 1965-1974, 4410 3cyl Diesel 1969-1974, 4500 3cyl Diesel 1965-1974, 4600 3-201 Diesel 1975-1981, 4610 3-201 Diesel 1981-1990, 5000 4-233 Diesel 1965-1975, 5000 4-256 Diesel 1965-1975, 5100 Diesel Engines 1965-1974, 5200 Diesel Engines 1967-1974, 5340 Diesel Engines 1968-1974, 5600 4-256 Diesel 1975-1981, 5610 4-256 Diesel 1981-1992, 5900 4-256 Diesel 1985-1993, 6600 4-256 Diesel 1975-1981, 6610 4-268 Diesel 1982-1992, 6700 4-256 Diesel 1975-1981, 6710 4-256 Diesel 1982-1985, 7000 4-256 Diesel 1971-1975, 7100 4-256 Diesel 1973-1975, 7200 4-256 Diesel 1973-1975, 4-256 Diesel 1975-1976, 7600 4-256 Diesel 1975-1981, 7700 4-256 Diesel 1975-1981, 7710 4-268 Diesel 1982-1991, 7810 6-401 Diesel 1978-1991, 8000 6-401 Diesel 1968-1987, 8210 6-401 Diesel 1978-1991, 8530 6-401 Diesel 1990-1993, 8600 6-401 Diesel 1972-1976, 8700 6-401 Diesel 1977-1979, 8730 6-401 Diesel 1990-1993, 8830 6-401 Diesel 1990-1993, 9000 6-401 Diesel 1970-1972, 9030 4-268 Diesel 1990-1998, 9600 6-401 Diesel 1972-1976, 9700 6-401 Diesel 1977-1979, TW-10 6-401 Diesel 1979-1983, TW-15 6-401 Diesel 1983-1989, TW-20 6-401 Diesel 1979-1983, TW-25 6-401 Diesel 1979-1989, TW-30 6-401 Diesel 1979-1983, TW-35 6-401 Diesel 1979-1989, TW-5 6-401 Diesel 1983-1989; Industrial Tractors: 231 3-158 Diesel 1975-1981, 233 3-158 Diesel 1975-1977, 250C 3cyl Diesel 1990-1994, 260C 3cyl Diesel 1990-1994, 333 3-175 Diesel 1975-1977, 335 3-175 Diesel 1975-1978, 340 3-175 Diesel 345C 3cyl Diesel 1989-1992, 345D 3cyl Diesel 1992-1997, 445 3-183 Diesel 1979-1983, 445A 3-183 Diesel 1984-1988, 445C 3-183 Diesel 1989-1992, 445D 3-183 Diesel 1992-1998, 515 3-201 Diesel 1975-1978, 531 3-201 Diesel 1975-1981, 535 3-201 Diesel 1975-1977, 540A 3-201 Diesel 1981-1984, 540B 3-201 Diesel 1984-1988, 545 3cyl Diesel 1979-1983, 545A 3cyl Diesel 1984-1988, 545C 3cyl Diesel 1989-1992, 545D 3cyl Diesel 1992-1998, 550 3cyl Diesel 1975-1978, A62 4-256 Diesel 1974-1984, A64 6-401 Diesel 1974-1984, A66 6-401 Diesel 1974-1987; NEW HOLLAND Windrowers: 1112 Ford 256 Diesel 1976-1980, 1114 Ford 256 Diesel 1976-1980, 907 Ford 256 Diesel, 909 Ford 256 Diesel 1972, 910 Ford 256 Diesel, 912 Ford 256 Diesel 1972-1978; Mowers: 1499 Ford Diesel Engines 1987-1992.



LUCAS STARTERS FOR FORD / NEW HOLLAND TRACTORS



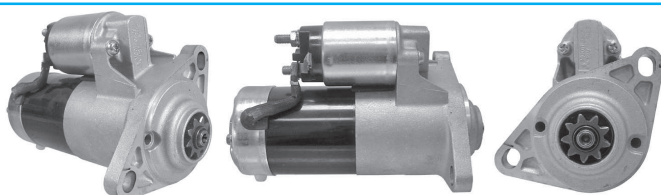
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S620	12	2.8	DD	10T	CW

REPLACE Lucas: 26265, 26265J, 26265M, 26341, 26341A/E, 26341H/J, 26431, 27554, 27554A, 27554B, NSB535; **Lucas Reman.:** S5013; **Lucas Electrical:** LRS107, LRS620; **Marelli:** MSN196, 632 275 54; **Ford:** 6092294, 82DB-11000-AA; **Pic Book:** 180-383, 180-383A; **Lester:** 17647.

APPLICATIONS NEW HOLLAND Combines: 1400 Ford 380 Diesel 1972-1980, 980 Ford 380 Diesel, 985 Ford 380 Diesel 1972, 990 Ford 380 Diesel 1972-1973, 995 Ford 380 Diesel 1972-1973.

NOTE Lucas M50 / M127 Series DD Starter for Ford / Sperry New Holland Combines and Ford Industrial Engines.

MITSUBISHI STARTERS FOR FORD / NEW HOLLAND TRACTORS

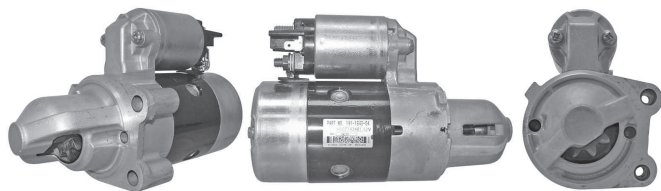


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S3330N	12	1.7	PMGR	9T	CW

REPLACE Mitsubishi: M1T66081; **Delco Reman.:** 10461686; **Ford New Holland:** SBA18508-6650, SBA18508-6651; **Ishikawajima:** 18508-6650, 18508-6651; **Pic Book:** 103-330; **Lester:** 18395.

APPLICATIONS FORD / NEW HOLLAND Compact Tractors with Shibaura Diesel: 1320 3-77 1987-1998, 1520 3-81 1987-1997, 530 3-81 1996-1998, 1620 3-81 1976-1979, 1630 3-81 1997-1999, 1710 3-85 1983-1987, 1715 3-81 1993-1997, 1720 3-91 1987-2002, 1725 3-81 1996-1998, 1925 3-91 1996-1998; NEW HOLLAND Compact Loaders: CL35 1983-1986; Compact Boomer: 2030 1.5L 3cyl 31HP Diesel 2008; Compact Tractors: T1510 1.5L 3cyl 30HP Diesel 2008, T1520 1.7L 3cyl 35HP Diesel 2007, T2210 1.5L 3cyl 31HP Diesel 2008, TC25 Shibura 25HP Diesel 1998-2005, TC25D Shibura 25HP Diesel 1998-2005, TC29 Shibura 29HP Diesel 1999, TC29D Shibura 29HP Diesel 1999, TC29DA Shibura 29HP Diesel 2003, TC30 New Holland 30HP Diesel 2001, TC31DA New Holland 31HP Diesel 2006, TC33D Shibura 33HP Diesel 1999, TC33DA Shibura 33HP Diesel 2003; Front Mowers: MC28 28HP Diesel.

NOTE Mitsubishi PMGR Starter for Ishikawajima Tractors with Perkins Engines. This Unit Replaces Mitsubishi M2T58981 (11T).

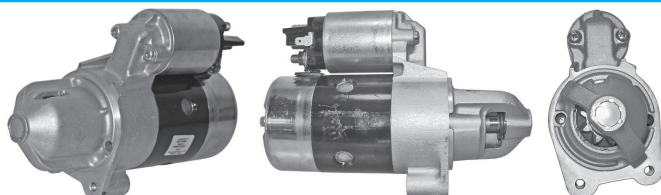


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17291N	12	0.8	DD	9T	CCW

REPLACE Mitsubishi: M2T32581, M2T43481, M2T43681, M2T43781, M2T43881; **John Deere:** AM104123; **Onan:** 191-1682-04, 191-1804-04, 191-1808-04, 191-1808-06, 191-1949-04, 191-1949-06, 191-1949-07, 191-1949-08; **Valeo:** TM000A21901; **Pic Book:** 103-239, 103-239A, 103-239B, 103-239C; **Lester:** 17291.

APPLICATIONS New Holland Skid Steer Loaders: LS250 with P218G Onan Engine 1984-1999.

NOTE Mitsubishi DD Starter for Gehl Skid Steers, New Holland Loaders, Mustang Skid Steer, Onan Engines. 2 Mounting Holes Threaded.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17312N	12	0.8	DD	9T	CCW

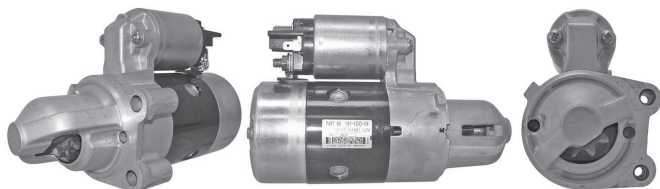
REPLACE Mitsubishi: M2T43581; **John Deere:** AM104504, AM109263; **Onan:** 191-1682-05, 191-1808-05, 191-1949-05; **Pic Book:** 103-238; **Lester:** 17312.

APPLICATIONS New Holland Skid Steer Loaders: LS250 with P218G Onan Engine 1984-1999.

NOTE Mitsubishi DD Starter for John Deere with Onan Engine, New Holland Loader, Onan Engines. 2 Mounting Holes Threaded.



MITSUBISHI STARTERS FOR FORD / NEW HOLLAND TRACTORS

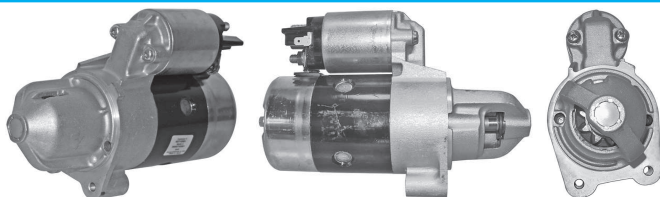


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17291N	12	0.8	DD	9T	CCW

REPLACE Mitsubishi: M2T32581, M2T43481, M2T43681, M2T43781, M2T43881; John Deere: AM104123; Onan: 191-1682-04, 191-1804-04, 191-1808-04, 191-1808-06, 191-1949-04, 191-1949-06, 191-1949-07, 191-1949-08; Valeo: TM000A21901; Pic Book: 103-239, 103-239A, 103-239B, 103-239C; Lester: 17291.

APPLICATIONS New Holland Skid Steer Loaders: LS250 with P218G Onan Engine 1984-1999.

NOTE Mitsubishi DD Starter for Gehl Skid Steers, New Holland Loaders, Mustang Skid Steer, Onan Engines. 2 Mounting Holes Threaded.

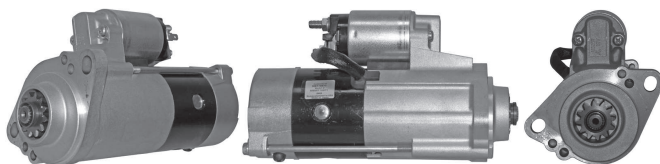


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17312N	12	0.8	DD	9T	CCW

REPLACE Mitsubishi: M2T43581; John Deere: AM104504, AM109263; Onan: 191-1682-05, 191-1808-05, 191-1949-05; Pic Book: 103-238; Lester: 17312.

APPLICATIONS New Holland Skid Steer Loaders: LS250 with P218G Onan Engine 1984-1999.

NOTE Mitsubishi DD Starter for John Deere with Onan Engine, New Holland Loader, Onan Engines. 2 Mounting Holes Threaded.

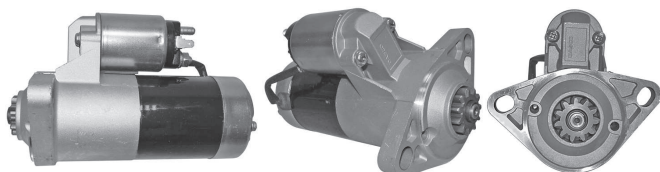


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18238N	12	2.0	PLGR	12T	CW

REPLACE Mitsubishi: M8T70071; Ford: SBA185086560; Ishikawajima: 18508-6560; JCB: 714/33300, 714/33300R; Pic Book: 103-384; Lester: 18238.

APPLICATIONS Ford / New Holland Skid Steer Loaders: CL35 Shibaura Diesel 1983-1986; Compact Tractors: 1320 3-77 Shibaura Diesel 1987-1998, 1520 3-81 Shibaura Diesel 1987-1997, 1530 3-81 Shibaura Diesel 1996-1998, 1620 3-81 Shibaura Diesel 1996-1998, 1630 3-81 Shibaura Diesel 1997-1999, 1715 3-81 Shibaura Diesel 1993-1997, 1720 3-91 Shibaura Diesel 1987-2002, 1920 4-122 Shibaura Diesel 1987-1993, 1925 3-91 Shibaura Diesel 1996-1998, 2120 4-139 Shibaura Diesel 1987-2002, 3415 4-135 Shibaura Diesel 1993-2002.

NOTE Mitsubishi PLGR Starter for Ford Tractors with Shibaura Diesel Engines and Perkins Diesel Industrial Applications. This is a PLGR Version of the S17244 OSGR Starter.



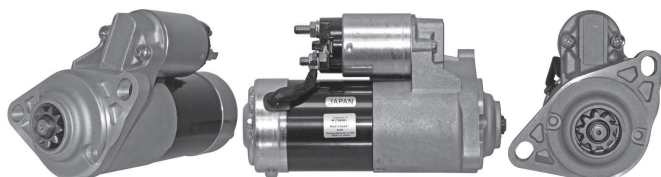
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17244N	12	1.2	OSGR	11T	CW

REPLACE Mitsubishi: M2T54083, M2T54085, M2T54091*, M2T58981; Lucas Electrical: LRS1294; Ford: SBA18508-6410, SBA18508-6510; Ishikawajima: 18508-6291, 18508-6410, 18508-6510; New Holland: SBA18508-6410; Pic Book: 103-352, 103-352A*, 103-331; Lester: 17244.

APPLICATIONS Ford / New Holland Skid Steer Loaders: CL35 Shibaura Diesel 1983-1986; Compact Tractors: 1320 3-77 Shibaura Diesel 1987-1998, 1520 3-81 Shibaura Diesel 1987-1997, 1530 3-81 Shibaura Diesel 1996-1998, 1620 3-81 Shibaura Diesel 1996-1998, 1630 3-81 Shibaura Diesel 1997-1999, 1715 3-81 Shibaura Diesel 1993-1997, 1720 3-91 Shibaura Diesel 1987-2002, 1920 4-122 Shibaura Diesel 1987-1993, 1925 3-91 Shibaura Diesel 1996-1998, 2120 4-139 Shibaura Diesel 1987-2002, 3415 4-135 Shibaura Diesel 1993-2002.

NOTE Mitsubishi OSGR Starter for Ford Tractors with Shibaura Diesel Engines and Perkins Diesel Industrial Applications. This is a OSGR Version of the S18238N PLGR Starter. * 1.6 Kw Version.

MITSUBISHI STARTERS FOR FORD / NEW HOLLAND TRACTORS



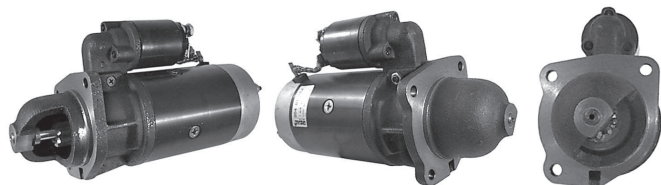
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18395N	12	1.7	PMGR	9T	CW

REPLACE Mitsubishi: M1T66081; Delco Reman.: 10461686; Ford: SBA18508-6550, SBA18508-6551; Ishikawajima: 18508-6550, 18508-6551; New Holland: SBA18508-6550, SBA18508-6551; Prestolite: 20513016; Pic Book: 103-330; Lester: 18395.

APPLICATIONS FORD / NEW HOLLAND Compact Tractors: 1320 3-77 Shibaura Diesel 1987-1998, 1520 3-81 Shibaura Diesel 1987-1997, 1530 3-81 Shibaura Diesel 1996-1998, 1620 3-81 Shibaura Diesel 1976-1979, 1630 3-81 Shibaura Diesel 1997-1999, 1710 3-85 Shibaura Diesel 1983-1987, 1715 3-81 Shibaura Diesel 1993-1997, 1720 3-91 Shibaura Diesel 1987-2002, 1725 3-81 Shibaura Diesel 1996-1998, 1925 3-91 Shibaura Diesel 1996-1998; NEW HOLLAND Compact Loaders: CL35 1983-1986; Front Mowers: MC28 28HP 3cyl Diesel; Compact Tractors: T1510 1.5L 3cyl 30HP Diesel 2008, T1520 1.7L 3cyl 35HP Diesel 2007, T2210 1.5L 3cyl 31HP Diesel 2008, TC25 Shibura 25HP Diesel 1998-2005, TC25D Shibura 25HP Diesel 1998-2005, TC29 Shibura 29HP Diesel 1999, TC29D Shibura 29HP Diesel 1999, TC29DA Shibura 29HP Diesel 2003, TC30 New Holland 30HP Diesel 2001, TC31DA New Holland 31HP Diesel 2006, TC33 Shibura 33HP Diesel 1999, TC33D Shibura 33HP Diesel 1999, TC33DA Shibura 33HP Diesel 2003.

NOTE Mitsubishi PMGR Starter for Case Tractors with Shibaura Diesel, Ishikawajima Tractors with Perkins Engines and Ford / New Holland Compact Tractors.

BOSCH STARTERS FOR FUCHS EXCAVATORS

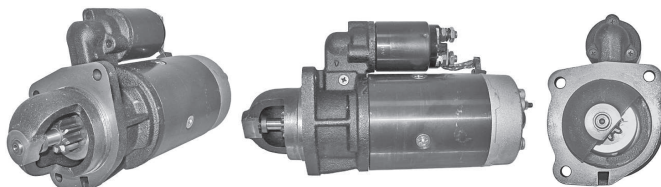


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17073	24	4.0	DD	9T	CW

REPLACE Bosch: 0-001-360-012, 0-001-360-035, 0-001-367-801, 0-001-368-001, 0-001-368-007, -051; Bosch Reman.: SR913X; Lucas Electrical: LRS923; Iskra: IS0491, 11-130-141, 11-130-491, AZJ3132, AZJ3518; Marelli: MSR698; Bomag: 057-109-03; Case: E41565EX; Faun: 1701-065; KHD: 116-1422, 116-4995, 117-3241, B17R-24X4; Liebherr: 620-06-62; Massey Ferguson: 3091-293-M92; Poclain: E-0041565; Volvo: 6909190; Pic Book: 120-520, 120-520A, 120-520B, -520C; 182-168 (Iskra Replacement); Lester: 17073.

APPLICATIONS FUCHS Excavators: 118M with Deutz F6L912 Engine 1975-1986.

NOTE Bosch DD Starter for Fuchs Excavators, Iveco Trucks, KHD Trucks, Poclain, Volvo Industrial.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17074	12	3.0	DD	9T	CW

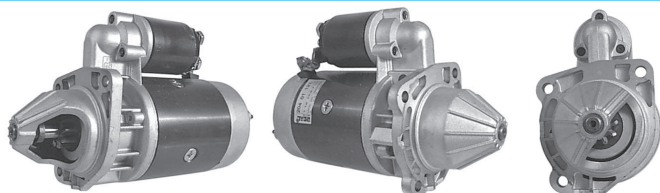
REPLACE Bosch: 0-001-358-044, 001-358-046, 0-001-358-048, 0-001-358-049, 0-001-359-027, 0-001-359-049, 0-001-359-073, 0-001-362-305, 0-001-367-004; Bosch Reman.: SR926X; Iskra: IS0552, 11-130-026, 11-130-484, 11-130-552; AZJ0402, AZJ3128, AZJ3170; Lucas Electrical: LRS921; Marelli: 9432 522 04, MSR697, MT74G; Bomag: 057-109-01, -05, -23, -27, -91, -92; Fendt: X830-100-001; International: V941501; KHD: 116-1364, 116-3669, 116-4994, 117-3240, 117-3280, 117-8026, B15R-12X3-H7622, B23R-12X3-H7622; Liebherr: 610-71-08; Poclain: N-0041596; Pic Book: 120-507, 120-513, 120-516, 120-530, 182-104 (Iskra Replacement); Lester: 17074.

APPLICATIONS FUCHS Excavators: 400 Deutz F3L912 1974-1979, 500 Deutz F4L912 1969-1980, 701 Deutz F3L912 1974-1979, 702 Deutz F3L912 1974-1979, 703 Deutz F4L912 1969-1980.

NOTE Bosch DD Starter for Claas Combines, Deutz Marine Engines, Fuchs Excavators, International Loaders, KHD Tractors, Liebherr, Poclain.



BOSCH STARTERS FOR INTERNATIONAL APPLICATIONS

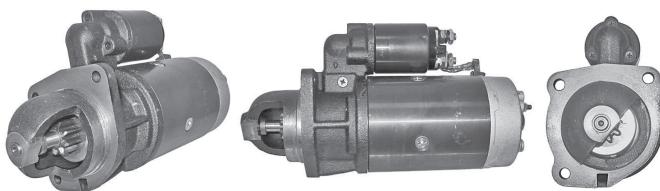


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S120521	12	2.4	DD	9T	CW

REPLACE Bosch: 0-001-362-016, 0-001-362-034, 0-001-362-091, 0-001-362-305; **Bosch Reman.:** SR926X; **Bomag:** 057-109-17; **Lucas Electrical:** LRS1276; **Iskra:** IS0551, 11-130-117, AZJ3508; **Hanomag:** 114-939-706; **KHD:** 116-4668, 117-8026; **Pic Book:** 120-521, 120-521B, 182-188 (Iskra Replacement); **Lester:** 17075.

APPLICATIONS INTERNATIONAL Backhoe Loaders: 3944 Yumbo F4L912 Diesel, 3945 Yumbo F4L912 Diesel 1982-1986, 3960 Yumbo F6L912 Diesel, 3961 Yumbo F6L912 Diesel 1982-1986.

NOTE Bosch DD Starter for Atlas Copco, Claas Combines with Deutz-KHD Engines, International Backhoe Loaders, Iveco Trucks, Liebherr Excavators.

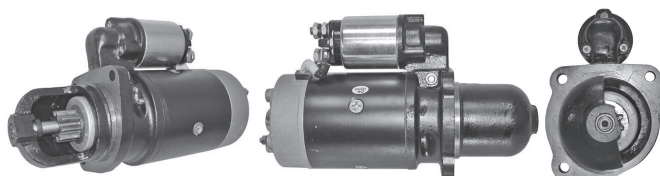


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17074	12	3.0	DD	9T	CW

REPLACE Bosch: 0-001-358-044, 001-358-046, 0-001-358-048, 0-001-358-049, 0-001-359-027, 0-001-359-049, 0-001-359-073, 0-001-362-305, 0-001-367-004; **Bosch Reman.:** SR926X; **Iskra:** IS0552, 11-130-026, 11-130-484, 11-130-552; AZJ0402, AZJ3128, AZJ3170; **Lucas Electrical:** LRS921; **Marelli:** 9432 522 04, MSR697, MT74G; **Bomag:** 057-109-01, -05, -23, -27, -91, -92; **Fendt:** X830-100-001; **International:** V941501; **KHD:** 116-1364, 116-3669, 116-4994, 117-3240, 117-3280, 117-8026, B15R-12X3-H7622, B23R-12X3-H7622; **Liebherr:** 610-71-08; **Poclain:** N-0041596; **Pic Book:** 120-507, 120-513, 120-516, 120-530, 182-104 (Iskra Replacement); **Lester:** 17074.

APPLICATIONS INTERNATIONAL Backhoe Loaders: 3944 Yumbo F4L912 Diesel, 3945 Yumbo F4L912 Diesel 1979-1981, 3960 Yumbo F6L912 Diesel, 3961 Yumbo F6L912 Diesel 1979-1981.

NOTE Bosch DD Starter for Claas Combines, Deutz Marine Engines, Fuchs Excavators, International Loaders, KHD Tractors, Liebherr, Poclain.

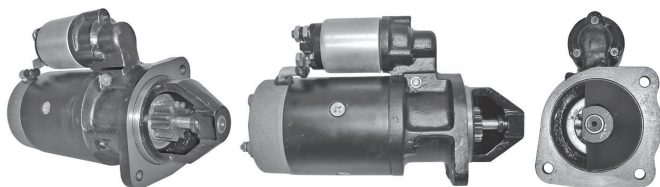


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17228	12	2.4-3.0	DD	9T	CW

REPLACE Bosch: 0-001-359-014, 0-001-359-074, 0-001-362-063, 0-001-362-300, 0-001-367-001; **Lucas Electrical:** LRS570, LRS1988; **Iskra:** IS0889, 11-130-889, AZJ3314; **Case:** 3228-193-EX, -R91, 3229-193-EX, 3229-193-R91; **IHC:** 3055-414-R92, 3055-557-R92, 3218-667-R91, 3218-675-R91, 3218-677-R1, 3228-193-R91; **Pic Book:** 120-504, 120-504A, 120-504B, 120-504C, 182-422 (Iskra Replacement); **Lester:** 17228.

APPLICATIONS INTERNATIONAL Backhoe Loaders: 3964 Yumbo D-358 Diesel 1971-1981, 3965 Yumbo D-358 Diesel 1971-1981, 3980 Yumbo D-358 Diesel 1971-1981; Combines: 321 D239 Diesel 1981-1986, 321 D-310 Diesel 1976-1986; Crawler Tractors: TD-8B D-239 Diesel 1969-1978; Pyscrapers: 431 D-239 Diesel 1981-1986, 531 D-310 Diesel 1972-1986.

NOTE Bosch DD Starter for International Harvester Applications. Three Hole Mounting.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17229	12	2.7	DD	11T	CW

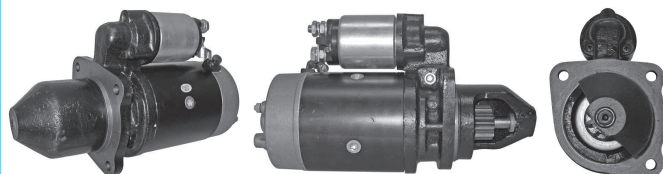
REPLACE Bosch: 0-001-362-064, 0-001-362-075, 0-001-362-301; **Lucas Electrical:** LRS1488; **Iskra:** IS0895, 11-130-895, AZJ3317; **Case:** A186180, 3218-192-EX, -R91, 3228-192-R91; **International:** 3218-674-R91, 3228-192-R91, 787-804-R92; **Pic Book:** 120-539, 120-539A, 120-539B, 182-246 (Iskra Replacement); **Lester:** 17229.

APPLICATIONS INTERNATIONAL Pyscrapers: 433 / 433V D-155 Diesel 1973-1986, 533 / 533V D-155 Diesel 1973-1986.

NOTE Bosch DD Starter for Case Farm Tractors and International Harvester Applications. Three Hole Mounting.



BOSCH STARTERS FOR INTERNATIONAL APPLICATIONS



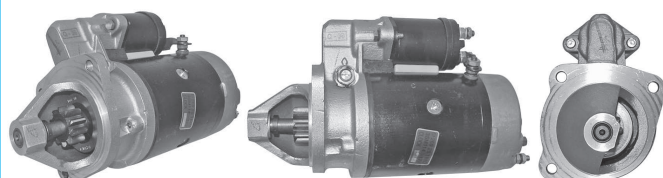
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18469	12	3.1	DD	10T	CW

REPLACE Bosch: 0-001-359-029, -058, -114; 0-001-362-302; **Iskra:** IS0703, IS1056, 11.130.605, 11-130-703, 11-130-799, 11-131-382, AZF4598, AZJ3190, AZJ3241, AZJ3328; **International:** 313-2700-R91, 313-2700-R92, 313-2700-R93; **John Deere:** RE503120, RE59010, RE68783; **Pic Book:** 120-6134, 120-6134A, 120-6134B, 182-232 (Iskra Replacement); **Lester:** 18469.

APPLICATIONS INTERNATIONAL Tractors with D-358 / D-358T6 Engines.

NOTE Bosch DD Starter for IHC Tractors, John Deere Sprayer. S42740 (105-211) is OSGR Magnetron Replacement.

LUCAS STARTERS FOR INTERNATIONAL APPLICATIONS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S172	12	2.1	DD	10T	CW

REPLACE Lucas: 26193, 26288, 26288A/E, 26288F/J, 27420A, NSB504; **Lucas Reman.:** S4517; **Lucas Electrical:** LRS172, LRS1008; **Lucas TVS:** 269 25 188D; **International:** 2046891R91, 3046890R91, 3046890R92, 3045322R91, 704447R95; **Pic Book:** 180-357, 180-357A, 180-357B, 180-366; **Lester:** 17075.

APPLICATIONS INTERNATIONAL Crawler Tractors: BTD5 Diesel Engines 1960-1972; Payloaders: HB-25 Various Engines 1967-1976; Power Units: BUD-144 1969-1976, BUD-154 1969-1976; Farm Tractors: B2275 Diesel Engines 1964-1976, B3434 Diesel Engines 1964-1976, International B-275 IHC 4-144 Diesel 1964-1968, International B-276 Diesel Engines 1965-1976, International B-354 Diesel Engines 1973-1976, International B-364 Diesel Engines 1973-1976, International B-414 IHC 4-154 Diesel 1964-1967, International B-434 Diesel Engines 1966-1976, International B-444 Diesel Engines 1966-1976; Compact Tractors: 354 IHC 4-144 Gas 1972-1975.

NOTE Lucas M45G / 2M113 Series DD Starter for Case and International Harvester Tractors, Diesel Applications.

ISKRA STARTERS FOR JCB LOADERS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S0408	12	3.0	DD	10T	CW

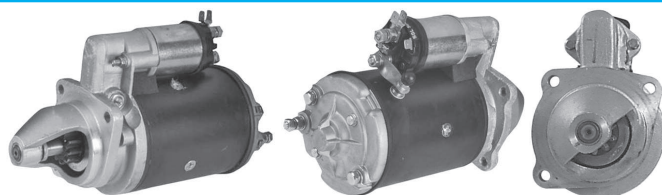
REPLACE Iskra: IS0408, 10-130-141, 11-130-074, 11-130-194, 11-130-408, 11-130-408, AZK5111, AZJ0404, AZJ3114, AZJ3531; **Lucas Electrical:** LRS190; **Pic Book:** 182-107, 120-596 (Bosch Version), 140-850 (Delco Version), 180-360 (Lucas Version); **Lester:** 19658.

APPLICATIONS J.C. BAMFORD Loaders: 406 Perkins 3-153 1990-1994.

NOTE Iskra Replacement for Bosch DD Starter. Used on Massey Ferguson, Ursus Tractors with Perkins Engines. Could Replace Bosch 0-001-362-008, Delco 20MT Type 4192 (OE 1107512) and Lucas 17639 (IAT S190).



LUCAS STARTERS FOR JCB APPLICATIONS

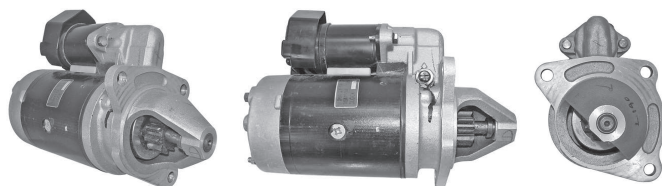


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S162	12	2.8	DD	10T	CW

REPLACE Lucas: 25372, 26358, 26358B, 26358D, 26408, 27503, 27519, 27537, 27541, 27590, 27598, 27608, NSB525; **Lucas Reman.:** S5025, S5037; **Lucas Electrical:** LRS162, LRS969; **Iskra Sales:** IS0526, IS0509; **Case:** 311-6683-EX, 311-6683-R91; **Perkins:** 2873002T, 2873A029, 2873B053, 2873B057, 2873B057R; **Leece Neville:** 66925090S; **Pic Book:** 180-308, -308A, -308B, -308C, 182-210 (Iskra Version); **Lester:** 17651.

APPLICATIONS J.C. BAMFORD Excavators: 806 with Perkins 4-248 1973-1979, 806B Perkins 4-248 1973-1985, 806C Perkins 4-248 1973-1985, 807 Perkins 6-354 1973-1979, 807B Perkins 6-354 1973-1985, 807C Perkins 6-354 1973-1985, 808 Perkins 6-354 1973-1980, 811 Perkins 6-354 1985-1988, 812 Perkins 6-354 1985-1990, 814 Perkins 6-354 1985-1990; Loaders: 1000 Perkins 4-243 1969-1979, 1200 Perkins 4-243 1969-1979, 1250 Perkins 6-354 1969-1979, 214 Series Perkins 1004 1986-1997, 214 Series Perkins 4-243 1986-1997, 215 Series Perkins 1004 1986-1997, 215 Series Perkins 4-243 1986-1997, 217 Series Perkins 1004 1986-1997, 217 Series Perkins 4-243 1986-1997, 413 Perkins 6-354 1971-1983, 418 Perkins 6-354 1971-1983, 702 Perkins Engines 1969-1974, 704 Perkins Engines 1969-1974, 900 Perkins 6-354 1969-1975, 902 Perkins 6-354 1969-1975.

NOTE Lucas M50 / M127 Series DD Starter for Clark, IHC, JCB, Massey Ferguson Applications with Perkins Engines.

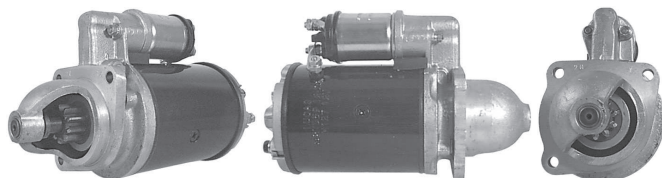


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S190	12	2.7	DD	10T	CW

REPLACE Lucas: 26154, 26200, 26220, 26264A/K, 26412, 27409, 27432, 27459, 27469, 27470, 27474, 27480, NSB509; **Lucas Reman.:** S4515; **Lucas Electrical:** LRS190; **Lucas TVS:** 269 25 189D; **Iskra:** IS0520, 11.130.520, AZJ3148; **Marelli:** MSN184, 632 274 70; **JCB:** 714/142000; **Massey Ferguson:** 1680065M2, M3, R3, 1808449M2, 1893611M91, 1903127M91, 2873A012T, 3597426R2, 3930505R1, 887057M1, M2, 887057R2, 898090M1; **Perkins:** 27432R, 2873115, 2873143, 2873A012, 22873A012T, 2873A017, 2873A104, 2873D005; **Pic Book:** 180-360, 180-360A, -360B, 182-176 (Iskra Replacement); **Lester:** 17639.

APPLICATIONS J.C. BAMFORD Industrial Loaders: 406 with Perkins 3-153 1990-1994.

NOTE Lucas M45G / 2M113 Series DD Starter for JCB, Massey Ferguson Tractors with Perkins Engine. Could Replace Delco 20MT 4192 (OE 1107512).



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S305	12	2.8	DD	10T	CW

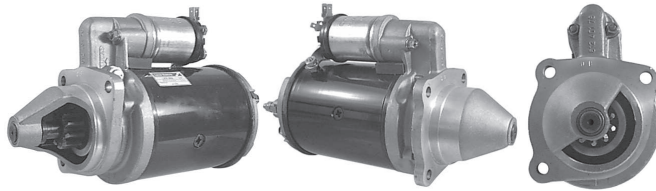
REPLACE Lucas: 26374, 26408, 26436, 27537, 27559; **Lucas Electrical:** LRS162, LRS305; **Marelli:** 632 275 59, 9432 275 59, MSR197; **Pic Book:** 180-380; **Lester:** 17651.

APPLICATIONS J.C. BAMFORD Excavators: 806 with Perkins 4-248 1973-1979, 806B, 806C Perkins 4-248 1973-1985, 807 Perkins 6-354 1973-1979, 807B, 807C Perkins 6-354 1973-1985, 808 Perkins 6-354 1973-1980, 811 Perkins 6-354 1985-1988, 812 Perkins 6-354 1985-1990, 814 Perkins 6-354 1985-1990; Loaders: 1000 Perkins 4-243 1969-1979, 1200 Perkins 4-243 1969-1979, 1250 Perkins 6-354 1969-1979, 214 Series Perkins 1004 1986-1997, 214 Series Perkins 4-243 1986-1997, 215 Series Perkins 1004 1986-1997, 215 Series Perkins 4-243 1986-1997, 217 Series Perkins 1004 1986-1997, 217 Series Perkins 4-243 1986-1997, 413 Perkins 6-354 1971-1983, 418 Perkins 6-354 1971-1983, 702 Perkins Engines 1969-1974, 704 Perkins Engines 1969-1974, 900, 902 Perkins 6-354 1969-1975.

NOTE Lucas M50 / M127 Series DD Starter for JCB Excavators, Perkins V Mod. Engines, Renault Heavy Duty Trucks.



LUCAS STARTERS FOR JCB APPLICATIONS



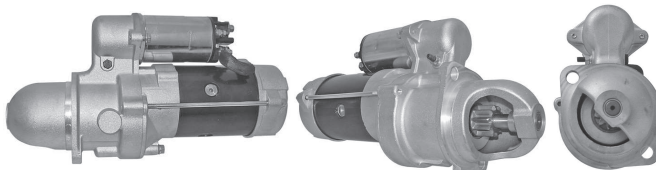
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S306	12	2.8	DD	10T	CW

REPLACE Lucas: 26414, 27565, 27565D, 27565E, 27565F, 27565J, 27568, 27568A, 27568D, NSB531; **Lucas Reman.:** S5031; **Lucas Electrical:** LRS232, LRS306, LRS969; **Iskra:** IS0629, 11.130.629, AZJ3203; **JCB:** 714/14300, 714/29500; **Massey Ferguson:** 1447-217-M91; **Perkins:** 26414R, 2873006T, 2873B055, 2873B072, 2873B073; **Pic Book:** 180-306, 180-306A, 182-210 (Iskra Replacement); **Lester:** 17652.

APPLICATIONS J.C. BAMFORD Excavators: 805 with Perkins 4-236 1971-1979, 805B Perkins 4-236 1971-1979, 805BT Perkins 4-236 1982-1988; Loaders: 1400 / 1400B Perkins 4-236 1985-1991, 1500 / 1500B Perkins 4-236 1985-1991, 1600B Perkins 4-236 1987-1993, 1700 / 1700B Perkins 4-236 1985-1991, 3C1400 Perkins 4-236 1980-1985, 3C1550 Perkins 4-236 1980-1985, 3CX Sitemaster Perkins 4-236 1985-1991, 3D1700 Perkins 4-236 1980-1985, 410 Perkins 6-354 1972-1984, 420 Perkins 6-354 1971-1983, 430 Perkins 6-354 1971-1983, 4CN Perkins 4-236 1980-1985, 520 Perkins 4-236 1982-1989, 525B Perkins 4-236 1982-1989, 530 Perkins 4-236 1987-1991, 530B Perkins 4-236 1987-1991, 540 Perkins Engines 1987-1994, 540B Perkins Engines 1987-1997; Misc. Equipment: 520 Cherry Picker Perkins 4-236 1978-1984.

NOTE Lucas M50 / M127 Series DD Starter for JCB Construction Equipment. 128000-3030 (Lester 17393) is the Nippondenso Replacement of this Unit.

DELCO STARTERS FOR JOHN DEERE APPLICATIONS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S6570N	12	3.0	OSGR	10T	CW

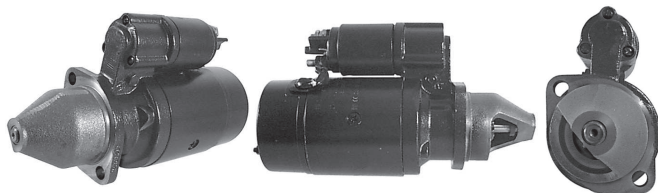
REPLACE Delco: 10461443, 1113271; **John Deere:** RE50095; **Pic Book:** 140-915; **Lester:** 6570.

APPLICATIONS JOHN DEERE Backhoe Loaders: 210C 4-239 Diesel 1985-1992, 300B Diesel Engines 1984-1988, 300D 4039 Diesel 1990, 310B Diesel Engines 1983-1986, 310C Diesel Engines 1987-1992, 310D 4039 Diesel 1990-1992, 315C 4039 Diesel 1987-1992, 315D 4039 Diesel 1992; Crawlers: 350D 164 Diesel 1982-1990, 355D 1982-1990, 400G 1988, 450D 4-219 Diesel 1982-1985, 450E 4-219 Diesel 1986-1992, 455B 1990-1992, 455E 1982-1990; Industrial Tractors: 310C 1987-1992, 310D 1990-1992, 400G 1992, 410C Diesel 1987-1992, 410D Diesel 1990-1992, 450E 219 Diesel 1986-1992, 450G 1993, 510 1987-1992, 510C 1985-1992, 510D 1990-1992, 610C 1987-1992; Utility Tractors: 5200 3-179 Diesel 1992, 5300 3-179 Diesel 1992, 5300N 3-179 Diesel 1992, 5400 3-179 Diesel 1992, 5400N 3-179 Diesel 1992, 5500 4-239 Diesel 1995, 5500N 4-239 Diesel 1995; Windrowers: 3430 1985-1992, 3830 1985-1992, 3930 1985-1992.

NOTE Delco 28MT Series Dry Clutch Starter for Bobcat and John Deere Agricultural and Industrial Equipment. 4-Terminal Solenoid. This Unit Could Replace Older 1998367 (Lester 6539), and Prestolite M93R Type (Pic Book 170-270).



BOSCH STARTERS FOR JOHN DEERE TRACTORS

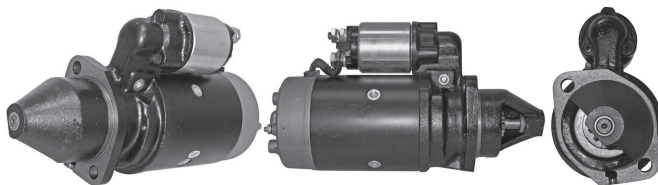


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S16563	12	2.7	DD	10T	CW

REPLACE Bosch: 0-001-358-041, 0-001-359-016, 0-001-359-090, 0-001-362-312, 0-001-362-316, 0-001-367-075, 0-001-367-078;
Bosch Reman.: SR901X; **Lucas Electrical:** LRS565; **Baudouin:** 16-01-039-2A; **Iskra:** IS0569, IS0762, 11-130-569, 11-130-762, 11-130-819, AZJ3181, AZJ3274, AZJ3283; **John Deere:** AL110597, AL39700, AL41247, AL62690, AL70850, AL78760, AR70436, AT23401, RE504814, RE502214, TY6615, TY6720, TY6727; **Pic Book:** 120-497, -497A, -499, -500, 120-500A, -500B, 182-194 (Iskra Replacement); **Lester:** 16563.

APPLICATIONS JOHN DEERE Combines: 1032, 1042, 1052, 1055, 1065, 1068, 1072, 1075, 925, 932, 935, 942, 945, 952, 955, 965, 968, 975, 985; Farm Tractors: 1020 2.7L Diesel 1965-1973, 1030 2.7L Diesel 1970-1982, 1030 Built in Spain, 1030OU Built in Spain, 1030VU Built in Spain, 1035 Built in Spain, 1035EF Built in Spain, 1035EV Built in Spain, 1040 1970-1984, 1040 Built in Spain, 1040V Built in Spain, 1065 1982-1994, 1068 1982-1994, 1075 1982-1994, 1085 1982-1994, 1120 1970-1982, 1130 1970-1982, 1140 1970-1982, 1140 Built in Spain, 1140F Built in Spain, 1140V Built in Spain, 1630 1973-1982, 1630 Built in Spain, 1630OU Built in Spain, 1630VU Built in Spain, 1635 Built in Spain, 1635EF Built in Spain, 1635EV Built in Spain, 1640 1970-1982, 1640 Built in Spain, 1640F Built in Spain, 1830 1973-1982, 1840 1970-1982, 1840 Built in Spain, 1840F Built in Spain, 2020 All 1970-1979, 2030 All 1970-1979, 2030 Built in Spain, 2030OU Built in Spain, 2035 Built in Spain, 2035EF Built in Spain, 2040 3-164 Diesel 1976-1982, 2040 Built in Spain, 2040F Built in Spain, 2040S Built in Spain, 2120 All 1970-1979, 2130 All 1970-1979, 2130 Built in Spain, 2135 Built in Spain, 2140 All 1974-1982, 2140 Built in Spain, 2240 3-179 Diesel 1976-1982, 2440 4-219 Diesel 1976-1982, 2840 6-329 Diesel 1977-1979, 2940 6-359 Diesel 1980-1984, 3030 1979-1982, 3040 1980-1984, 3120 1970-1977, 3130 6-359 Diesel 1979-1982, 3130 Built in Spain, 3135 Built in Spain, 3140 6-359 Diesel 1970-1982, 3140 Built in Spain, 3340 Built in Spain, 925 1975, 930VU Built in Spain, 932 1980, 935 1975, 940 1980-1984, 940 Built in Spain, 940V Built in Spain, 942 1980, 945 1975, 952 1977, 955 1981-1983, 965 1981-1983, 968 1981-1983, 975 1981-1983; Industrial Tractors: 2150 1983-1986, 3055 359 Diesel 1992, 3155 359 Diesel 1987-1991, 3255 359 Diesel 1992; Utility Tractors: 1530 164 Diesel 1974-1975, 2030 219 Diesel 1971-1975, 2040 152 Diesel 1972-1985, 2240 164 Diesel 1976-1982, 920 1970-1975, 930 1972-1979, 820 3cyl Engine 1968-1972, 830 3cyl Engine 1972-1975.

NOTE Bosch DD Starter for John Deere Tractors. The 17095 Has 2 Threaded Holes on CE Frame. Should Interchange with Delco 20MT Type 1107599 (Lester 4000) Starter.



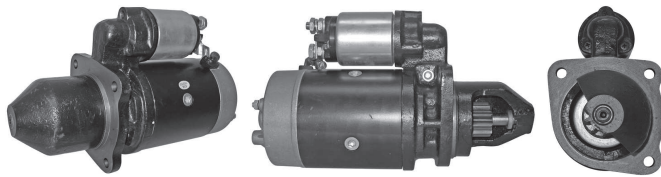
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17095	12	3.0	DD	10T	CW

REPLACE Bosch: 0-001-369-001, 0-001-369-005, 0-001-369-022; **Bosch Reman.:** SR901X; **Lucas Electrical:** LRS565; **Iskra:** IS0793, 11-131-374, AZF4596; **John Deere:** AL110503, AL110504, AL39700, AL62772, TY25951, TY6726; **Pic Book:** 120-498; **Lester:** 17095.

APPLICATIONS JOHN DEERE Farm Tractors: 3030 1979-1982, 3040 1980-1984, 3130 6-359 Diesel 1979-1982, 3140 6-359 Diesel 1970-1982, 3340 Built in Spain, 6200L 1993, 6300L 1993, 6400L 1993, 6500L 1993.

NOTE Bosch DD Starter for John Deere Tractors. This Unit Has 2 Threaded Holes on CE Frame. Should Interchange with S16563 Starter (2.7 kw).

BOSCH STARTERS FOR JOHN DEERE TRACTORS

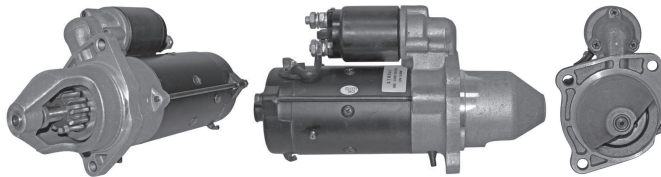


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18469	12	3.1	DD	10T	CW

REPLACE Bosch: 0-001-359-029, -058, -114; 0-001-362-302; **Iskra:** IS0703, IS1056, 11.130.605, 11-130-703, 11-130-799, 11-131-382, AZF4598, AZJ3190, AZJ3241, AZJ3328; **International:** 313-2700-R91, 313-2700-R92, 313-2700-R93; **John Deere:** RE503120, RE59010, RE68783; **Pic Book:** 120-6134, 120-6134A, 120-6134B, 182-232 (Iskra Replacement); **Lester:** 18469.

APPLICATIONS JOHN DEERE Combines: 1170; JOHN DEERE Sprayers: 6700.

NOTE Bosch DD Starter for IHC Tractors, John Deere Sprayer. S42740 (105-211) is OSGR Magnet Replacement.

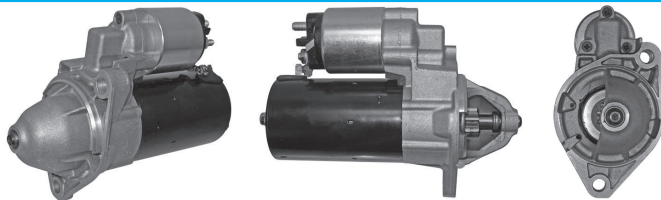


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18361	12	3.0	PLGR	11T	CW

REPLACE Bosch: 0-001-230-002; **Iskra:** IS1157, 11-131-237, AZF4570; **Lucas Electrical:** LRS1563; **John Deere:** RE503226, RE504807; **Pic Book:** 120-6111, 182-579 (Iskra Replacement); **Lester:** 18361.

APPLICATIONS JOHN DEERE Farm Tractors: 6505, 6510, 6510S, 6515, 6520, 6605, 6610, 6615, 6620, 6715, 6810, 6820, 6910, 6920, 7220, 7320, 7420 1994, 7520 1994.

NOTE Bosch DD Starter for Bobcat / Clark Skid Steers and John Deere Farm Tractors. Bosch 0-001-230-008 is PLGR Version of this Unit. S17362A (190-9006) is 2.7 Kw OSGR Denso Replacement.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18954	12	2.2	PMGR	9T	CW

REPLACE Bosch: 6-004-AA3-114, F-000-AL0-115; **Bosch Reman.:** SR5010X; **Iskra:** IS1154, 11-131-750, AZE6544; **Chevrolet:** 92067925; **John Deere:** RE508922, SE501844; **Pic Book:** 120-6114, 182-577 (Iskra Replacement); **Lester:** 18954.

APPLICATIONS JOHN DEERE Loaders: 244J JD 2.4L 59HP Diesel 2004, 304J JD 3.1L 73HP Diesel 2004; Track Loaders: CT315 JD 2.4L 49HP Diesel, CT322 JD 2.4L 66HP Diesel, CT332 JD 3.1L 82HP Diesel; Farm Tractors: 5225 JD PowerTech 56HP Engine, 5325 JD PowerTech 67HP Engine, 5325N JD PowerTech 67HP Engine; Utility Tractors: 4120 JD 4024T 43HP Diesel 2004, 4320 JD 4024T 48HP Diesel 2004, 4520 JD 4024T 60HP Diesel 2004, 4720 JD 4024T 66HP Diesel 2004; Skid Steer Loaders: 313 JD 4024T 49HP Engine 2007, 315 JD 4024T 49HP Engine 2007, 317 JD 4024T 57HP Engine 2005, 320 JD 4024T 62HP Engine 2005, 325 JD 5030T 70HP Engine 2000-2004, 328 JD 5030TW 76HP Engine 2005, 332 JD 5030HW 85HP Engine 2005.

NOTE Bosch PMGR Starter for John Deere Farm Tractors, Utility Tractors and Skid Steer Loaders.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S19655	12	3.0	DD	10T	CW

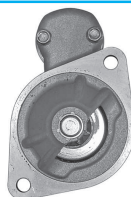
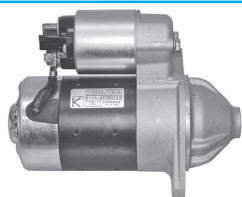
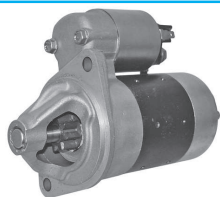
REPLACE Bosch: 0-001-367-077; 0-001-367-081; **Bosch Reman.:** SR5054X; **Iskra:** IS1027, 11-131-789, AZE4655; **Lucas Electrical:** LRS1622; **John Deere:** AL81154, RE501157; **Pic Book:** 120-6110, 182-165 (Iskra Replacement); **Lester:** 19655.

APPLICATIONS JOHN DEERE Farm Tractors: 6506, 6600, 6605, 6800, 6900, 7500; Cotton Pickers: 9930 359 Diesel 1987-1993.

NOTE Bosch DD Starter for Bobcat / Clark Skid Steers and John Deere Farm Tractors. Bosch 0-001-230-008 is PLGR Version of this Unit. S17362A (190-9006) is 2.7 Kw OSGR Denso Replacement.



HITACHI STARTERS FOR JOHN DEERE TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
SHY653	12	0.9	DD	8T	CW

REPLACE Hitachi: S114-443, -443A, -653, -653A, -653B;
Lucas Electrical: LRS1568; John Deere: AM875014, AM878176,
AM878813; New Holland: VV11922677010; Yanmar: 119225-77010,
119225-77011, 119226-77010; Pic Book: 104-276, 104-276A;
Lester: 18055.

APPLICATIONS JOHN DEERE Skid Steer Loaders: 3375
Yanmar 17HP Diesel 1994-1999, 375 Yanmar 17HP Diesel 1988-1993;
Front Mowers: F915 Yanmar Engines 1987-1993; Greens Mowers:
2500A JD Series 220 20HP Diesel, 2500E JD 18HP Diesel;
Professional Mowers: 2653A; Lawn Tractors: 322 Yanmar Engines
1988-1991, 330 Yanmar Engines 1986, 332 Yanmar Engines 1987-
1992, 415 Yanmar 16HP Diesel 1995-1997; Utility Tractors: 655
Yanmar Engines 1986-1990.

NOTE Hitachi DD Starter for John Deere, Takeuchi Equipment with
Yanmar Engines, Yanmar Tractors, New Holland Excavators.

ISKRA STARTERS FOR JOHN DEERE TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S0663	12	4.0	DD	10T	CW

REPLACE Iskra: IS0663, 11-130-663, 11-130-860, AZJ3215,
AZJ3297; Lucas Electrical: LRS1058; Hino: 28100-1670, -1671A,
28100-1672A; John Deere: AR41627, AR55639, AR77215;
Pic Book: 182-220; Lester: 16635.

APPLICATIONS JOHN DEERE Backhoe Loaders: 510 1971-
1981, JD500C 1974-1985; Combines: 1085, 6600 404 Diesel 1979-
1982, 6602 404 Diesel 1979-1982, 6620 466 Diesel 1979-1988, 6622
466 Diesel 1980-1985, 7700 404 Diesel 1979-1982, 7720 466 Diesel
1979-1989, 7722 466 Diesel 1986-1989, 8820 466 Diesel 1980-1992;
Cotton Pickers: 9940 466 Diesel 1983-1986, 9950 466 Diesel 1987-
1990; Engines: 6059, 6068, 6076, 6466A / D / T; Excavators: 690 /
690A 404 Diesel 1975-1983, 690B 1974-1983; Feller Bunchers: 643
1988-1993, 643D 1990, 693B 1978-1985, 743 1977-1983, 743A 1977-
1983; Graders: JD570 1975-1981, JD570A 1975-1981; Harvesters:
5200 404 Diesel 1974-1977, 5420, 544, 5440 404 Diesel 1977-1982,
5720 466 Diesel 1982-1986, 5730 466 Diesel 1986-1992, 5830 466
Diesel 1986-1992; Loaders: 444C 329 Diesel 1982-1986, 444D 329
Diesel 1987-1988, 544C 414 Diesel 1982-1986, 544D 1987-1988,
544E 1988-1992, 544G 1994, 624E 1988-1992, 624G 1994, 644C
1982-1986, 644D 1987-1988, 644E 1988-1992, 644G 1993, JD444
329 Diesel 1976-1981, JD544 / JD544A 414 Diesel 1976-1981,
JD544B 414 Diesel 1975-1982; Power Units: 500 Diesel Engines
1978-1983; Skidders: 740 466 Diesel 1974-1979, 740A 466 Diesel
1980-1988; Tool Carriers: 544E 1988-1995, 544G 6059 Diesel 1994;
Farm Tractors: 4040 6-404 Diesel 1978-1982, 4050 6-466 Diesel
1983-1988, 4240 6-466 Diesel 1978-1982, 4250 6-466 Diesel 1983-
1988, 4350, 4440 6-466 Turbo Diesel 1978-1982, 4450 6-466 Diesel
1983-1990, 4640 6-466 AC Diesel 1978-1982, 4650 6-466 Diesel
1983-1988, 4840 6-466 Diesel 1979-1982, 4850 6-466 Diesel 1983-
1988, 8430 6-466 Diesel 1975-1978, 8440 6-466 Diesel 1979-1982,
8450 6-466 Diesel 1982-1989.

NOTE Iskra DD Starter Hino Trucks and John Deere Tractors.
This is the Iskra Replacement of the Denso 028000-3290.

ISKRA STARTERS FOR JOHN DEERE TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S0679	12	3.1	DD	10T	CW

REPLACE Iskra: IS0679, IS1063, 11-130-679, 11-131-375, AZF4597, AZJ3226; **John Deere**: RE501766, RE60171, RE60239, RE70728; **Pic Book**: 182-108; **Lester**: 18195.

APPLICATIONS JOHN DEERE Backhoe Loaders: 310E 1995, 310G 73HP Diesel 1999, 310SE 1996, 310SG 85HP Diesel 1999, 315SE 1995, 315SG 85HP Diesel 1999, 410E 1996, 410G 92HP Diesel 1996; Loaders: 310E / 310SE, 315SE 1995; Farm Tractors: 6403, 6603; Industrial Tractors: 210LE 4045 Diesel 1997-2000.

NOTE Iskra DD Starter for John Deere Tractors. This is the Iskra Replacement of the Denso 228000-6400 OSGR Unit.

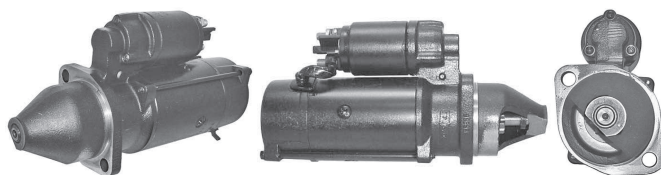


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S0745	24	4.0	DD	10T	CW

REPLACE Iskra: IS0745, 11-130-745, 11-130-936, 11-130-977, 11-131-388, AZJ3265, AZJ3338, AZJ3350, AZJ3426; **John Deere**: RE501769, RE503632, RE504915, RE71007; **Pic Book**: 182-238; **Lester**: 18484.

APPLICATIONS JOHN DEERE Industrial Loaders: 244H / 444H 4 Cyl. 4.5L 4WD, 544H 6 Cyl. 6.8L 4WD.

NOTE Iskra DD Starter for John Deere Industrial Loaders.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S0793	12	3.4	DD	10T	CW

REPLACE Iskra: IS0793, 11-130-793, 11-131-374, AZF4521, AZF4596; **John Deere**: RE505670, RE505745, RE507670; **Pic Book**: 182-229; **Lester**: 18422.

APPLICATIONS JOHN DEERE Skid Steer Loaders: 270 JD 4045D 77HP Engine 1999-2004, 280 JD 4045T 90HP Engine 2002-2004.

NOTE Iskra DD Starter for Bobcat, Clark, Ingersoll-Rand and John Deere Industrial Skid Steers.



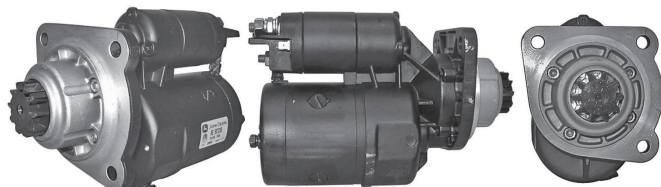
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S0796	12	3.0 - 4.2	DD	9T	CW

REPLACE Iskra: IS0796, IS1056*, 11-130-796, 11-130-940, 11-131-145*, 11-131-370*, 11-131-382*, AZF4553*, AZF4595*, AZF4598*, AZJ3325, AZJ3342; **John Deere**: RE503093, RE504009, RE68783*; **Pic Book**: 182-232A, 182-402*, 182-402A*; **Lester**: 19659, 18469*.

APPLICATIONS JOHN DEERE Handlers: 4400 Telescopic, 4500 Telescopic; Combines: 1170; Sprayers: 6700.

NOTE Iskra DD Starter for John Deere Telescopic Handlers. This Unit will Replace 2.7 Kw OSGR Magneton S42740 (Lester 18945). For 3.1 Kw Version Use S3190. * 4.2 Kw PLGR Version of this Unit.

MAGNETON STARTERS FOR JOHN DEERE APPLICATIONS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S42740	12	2.7	OSGR	10T	CW

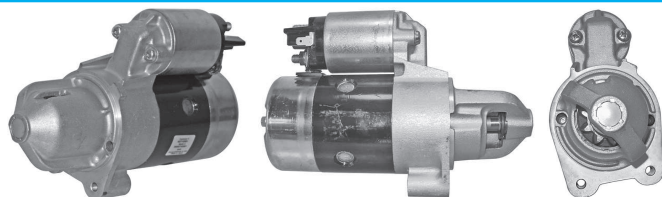
REPLACE Magneton: 443-115-142-740, 9-142-740; Iskra: IS0703, IS796, 11-130-796, 11-130-799, 11-130-940, AZJ3325, AZJ3328, AZJ3342; **John Deere**: RE30493, RE503093, RE503120, RE504009, RE507236, RE59010, RE68783; **Pic Book**: 105-211, 182-232 (Iskra DD Replacement); **Lester**: 18945.

APPLICATIONS JOHN DEERE Handlers: 4400 Telescopic, 4500 Telescopic; Combines: 1170; Sprayers: 6700.

NOTE Magneton OSGR Replacement Starter for the Bosch S3190 (Lester 18469) DD Starter.



MITSUBISHI STARTERS FOR JOHN DEERE APPLICATIONS

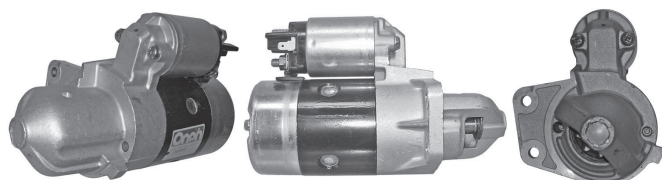


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17312N	12	0.8	DD	9T	CCW

REPLACE Mitsubishi: M2T43581; John Deere: AM104504, AM109263; Onan: 191-1682-05, 191-1808-05, 191-1949-05; Pic Book: 103-238; Lester: 17312.

APPLICATIONS JOHN DEERE Outdoor Power Equipment Lawn Tractors: 316 Onan P218G Engine 1984-1992, 318 Onan P218G Engine 1983-1992, 420 Onan P220G 1983-1991.

NOTE Mitsubishi DD Starter for John Deere with Onan Engine, New Holland Loader, Onan Engines. 2 Mounting Holes Threaded.

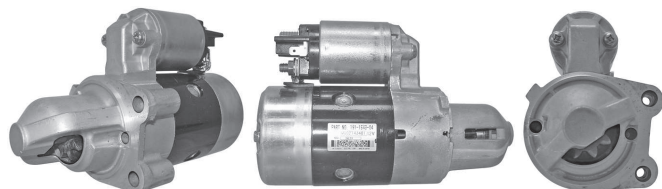


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17333N	12	0.8	DD	9T	CCW

REPLACE John Deere: AM104506, AM109172; Onan: 191-1682-02, 191-1808-02, 191-1949-02; Lucas Reman.: S9924; Pic Book: 103-229, 103-229A, 103-241; Lester: 17333.

APPLICATIONS JOHN DEERE Outdoor Power Equipment Lawn Tractors: 316 Onan B43E Engine 1984-1992, 318 Onan B43E Engine 1983-1992, 420 Onan B48G 1983-1991.

NOTE Mitsubishi DD Starter for John Deere with Onan Engine, and Onan Industrial Engines.



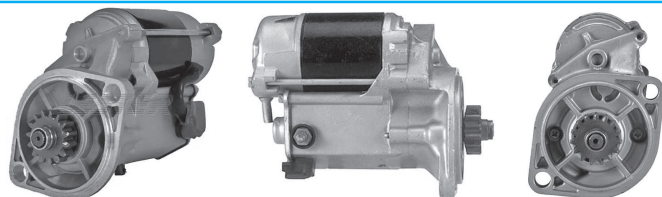
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17291N	12	0.8	DD	9T	CCW

REPLACE Mitsubishi: M2T32581, M2T43481, M2T43681, M2T43781, M2T43881; John Deere: AM104123; Onan: 191-1682-04, 191-1804-04, 191-1808-04, 191-1808-06, 191-1949-04, 191-1949-06, 191-1949-07, 191-1949-08; Valeo: TM000A21901; Pic Book: 103-239, 103-239A, 103-239B, 103-239C, 103-239D; Lester: 17291.

APPLICATIONS JOHN DEERE Front Mowers: F910 w / Onan Gas Engine 1984-1990.

NOTE Mitsubishi DD Starter for Gehl Skid Steers, New Holland Loaders, Mustang Skid Steer, Onan Engines. 2 Mounting Holes Threaded.

NIPPONDENSO STARTERS FOR JOHN DEERE TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S16657N	12	1.4	OSGR	15T	CW

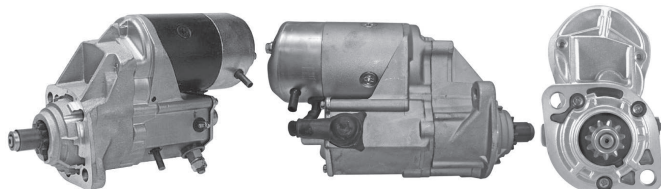
REPLACE Nippondenso: 028000-5730, 128000-0710, 228000-0110, 228000-0111, 228000-3800, 228000-3801, 228000-3802; Nippondenso Reman.: 9712809-071; Bosch Reman.: SR5060X; Carrier: 20-45-1312, 20-45-1718; Cummins: 3675205RX; Delco Reman.: 10465440; Lucas Electrical: LRS1320, LRS1625, LRS1626; Lucas Reman: S9909, S9988; John Deere: AM877284, AM877285, CH12084, CH12741, CH19284, TY6648, TY6673, TY6715; Thermo King: 45-1312, 45-1718; Yanmar: 119209-77010, 119285-77010, 121120-77010, 121120-77011; Pic Book: 190-502, 190-505, 190-505A (Later Version); Lester: 16657, 17099.

APPLICATIONS JOHN DEERE Skid Steer Loaders: 4475 Yanmar 31HP Diesel 1994-1998, 5575 Yanmar 36HP Diesel 1995-1998; Utility Tractors: 900HC 1986-1989, 1070 Yanmar Diesel 1989-1996, 750 Yanmar 3T80 Dsl 1981-1988, 770 Yanmar Engines 1989-1996, 850 Yanmar 3T80 1978-1988, 870 Yanmar Engines 1989-1996, 955 Yanmar Diesel 1990-1995, 970 Yanmar Diesel 1989-1996.

NOTE Nippondenso OSGR Starter for John Deere Tractor and Thermo King Equipment with Yanmar Engines. Can be Replaced with Lester 17089, 17375. This Can Also Replace Lester 18208 (Hitachi S12-77A).



NIPPONDENSO STARTERS FOR JOHN DEERE TRACTORS

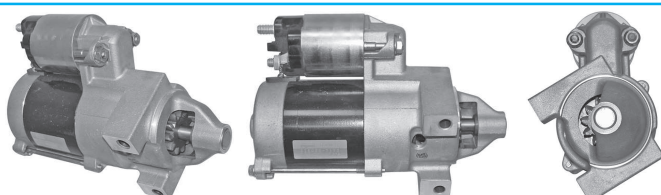


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17362N	12	2.5	OSGR	11T	CW

REPLACE Nippondenso: 028000-8400, -8401, 028000-8402, 028000-8403, 028000-8404, 228000-6470*, 228000-6471*; Nippondenso Reman.: 9702809-840; Bosch Reman.: SR9975X; Lucas Electrical: LRS1387; Lucas Reman: S9930; Iskra: IS1027, 11-131-063, AZE4603; Clark: 2355695, 6632415; John Deere: RE19275, RE41799, RE51447, RE51694, RE54092, RE68470, TY6688, TY6719, TY24438; Pic Book: 190-830, 190-830A, 190-9006*, 182-165 (Iskra Version); Lester: 17362, 17362A*.

APPLICATIONS JOHN DEERE Cotton Pickers: 9930 359 Diesel 1987-1993; Engines 4039, 4045, 4219DF, 4239D / 4239T, 4276D / T, 6329D.

NOTE Nippondenso OSGR Starter for Bobcat, Clark Skid Steers, and John Deere Tractors. * Later Version - 2.7 Kw, 13 Teeth.

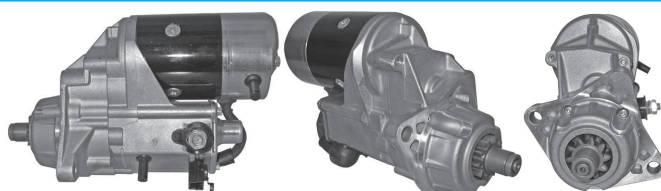


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17628N	12	0.6	PMGR	9T	CCW

REPLACE Nippondenso: 128000-7480, 228000-2640, -7190; Lucas Electrical: LRS1429; John Deere: AM107631, AM108390, AM124993, AM131296; Kohler: 12-098-03, 12-098-17, 24-098-01, 25-098-09; New Holland: K0H2409801; Pic Book: 190-541, 190-541A, 190-541B (Later Versions); Lester: 17628.

APPLICATIONS JOHN DEERE Lawn Tractors: GT225 Kohler 16HP, LX173 Kohler 15HP Gear 1996, LX255 Kohler 15HP, LX266 Kohler 16HP, Sabre 1948GV Kohler 19.9HP, Sabre 1948HV Kohler 19.9HP, Sabre 2148HV Kohler 21HP, Sabre 2354HV Kohler 23HP, Sabre 2554HV Kohler 25HP, STX30 Kohler 9HP 1989-1993, STX38 Kohler 12.5HP 1989-1993; Front Mowers: F620 Kohler 20HP, F680 Kohler 20HP, F687 Kohler 23HP; Greens Mowers: Aercore 800 Greens Aerator; Mowers - Walk Behind: Aercore 800 Aerator Kohler 18HP; Mowers - Z-Track F687 Kohler 23HP, M653 Kohler 23HP, M655 Kohler 25HP, M665 Kohler 25HP.

NOTE Nippondenso PMGR Starter for Kohler Engines, New Holland Skid Steers, Club Cadet Tractors, Toro and John Deere Lawn Tractor with Kohler Engines. Delco Replacement is Lester 6744 (OE 10455513), United Technology PMDD Version is SM51747 (Pic Book 106-029).



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18456N	12	2.5	OSGR	10T	CW

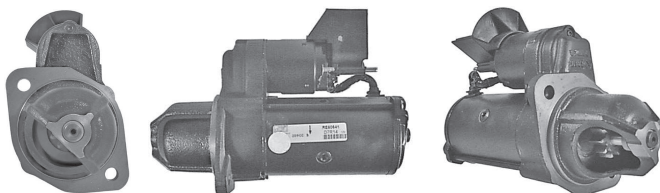
REPLACE Nippondenso: 228000-0840, 228000-0841, 228000-0844; John Deere: RE50165, RE54091, RE59588, TY24436; Pic Book: 190-9027; Lester: 18456.

APPLICATIONS JOHN DEERE Industrial Engines: 4039, 4045; Utility Tractors: 6100D JD PT 4.5L 98.9HP Diesel, 6110D JD PT 4.5L 106HP Diesel, 6115D JD PT 4.5L 118.4HP Diesel, 6125D JD PT 4.5L 123HP Diesel, 6130D JD PT 4.5L 129.8HP Diesel, 6140D JD PT 4.5L 137.8HP Diesel; Windrowers: 4890, 4895.

NOTE Nippondenso OSGR Starter for John Deere Utility Tractors.



VALEO STARTERS FOR JOHN DEERE APPLICATIONS



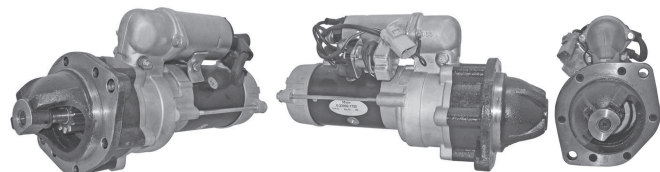
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
D7R14	12	2.5	PMGR	10T	CW

REPLACE Valeo: D7R14, 187031, 438012; John Deere: RE501680, RE501693, RE502156, RE502196, RE60641, RE63010; Iskra: IS1027, IS1059, 11-131-063, 11-131-384, AZE4589, AZE4603; Pic Book: 108-278, 182-165, 182-555 (Iskra); Lester: 17086.

APPLICATIONS John Deere Skid Steer Loaders: 240JD 3029D 46HP Engine, 250JD 3029T 61HP Engine, 260JD 3029T 69HP Engine 1999-2003, 8875 3029 Diesel 1994-1998; Farm Tractors with 2.9L Diesel: 5310, 5310N, 5410, 5410N; Utility Tractors with 2.9L Powertech Diesel: 5105JD, 5205JD, 5210JD, 5220JD, 5310JD, 5310N, 5320JD.

NOTE Valeo PMGR Starter for John Deere Loaders and Farm / Utility Tractors with 320 2.9L Diesel Engine. Similar to the Bosch 0-001-223-502 (Lester 18526) for John Deere Applications.

NIKKO STARTERS FOR KOMATSU EXCAVATORS



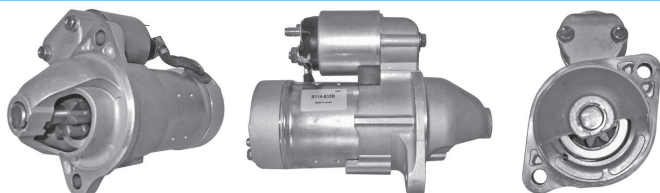
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18104N	24	5.5	OSGR	11T	CW

REPLACE Nikko: 0-23000-1750, 0-23000-1751, 0-23000-1752; Komatsu: 600-813-4420, 600-813-4422, 600-813-4423; Lucas Electrical: LRS02172; Pic Book: 185-204, -204A; Lester: 18104.

APPLICATIONS KOMATSU Excavators: PC100 4D95 Engine 1986-1997, PC100 6D95 Engine 1986-1994, PC120 4D95 Engine 1986-1997, PC120 6D95 Engine 1986-1994, PC150 6D95 Engine 1986-1994, PC200 4D95 Engine 1986-1994, PC200 6D95 Engine 1986-1997, PC220 6D105 Engine 1986-1995, PC220 6D95 Engine 1988-1995, PW100 4D95 Engine 1991-1994, PW100 6D95 Engine 1986-1994, PW150 6D95 Engine 1986-1994, PW200 6D95 Engine 1991-1995; Motor Graders: GD305 6D95 Engine 1986, GD355A 6D95 Engine 1986, GD405 6D95 Engine 1986, GD461 6D95 Engine 1986.

NOTE Nikko OSGR Starter for Komatsu Excavators and Motor Graders. This Unit Has Relay Switch on the Side. Will Replace 4.5 kw Nippondenso 17376 (OE 128000-1000).

HITACHI STARTERS FOR KUBOTA COMPACT TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18288N	12	1.4	PMGR	8T	CW

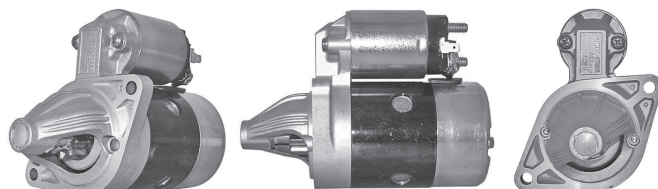
REPLACE Hitachi: S114-833B; Kubota: T1060-16800, T1060-16804; Pic Book: 104-256; Lester: 18288.

APPLICATIONS KUBOTA Compact Tractors: L2600DT Kubota D1403AE 27HP Diesel 1999, L2600F Kubota D1403AE 27HP Diesel 1999, L3000DT Kubota D1503ELA 32HP Diesel 1999-2004, L3000F Kubota D1503ELA 32HP Diesel 1999-2004.

NOTE Hitachi PMGR Starter for Briggs & Stratton Air Cooled Engine, Kubota L2600, L3000 Tractors and Kubota 1.5L 32 HP Diesel Engine 1999-2004. 2-Bolt Mounting.



MITSUBISHI STARTERS FOR KUBOTA APPLICATIONS

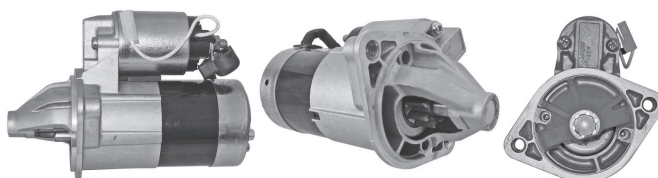


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S16791N	12	0.8	DD	9T	CW

REPLACE Mitsubishi: M2T30481, M2T42381;
Lucas Electrical: LRS1139; **Kubota:** 15852-63010, 15852-63011,
 15852-63012, 15852-63013; **Pic Book:** 103-159; **Lester:** 16791.

APPLICATIONS KUBOTA Excavators: KH007 Kubota Z430-K1
 8.5HP Dsl 1989-1993, KH21 Kubota Z430-K1 Diesel 1988-1993;
 Garden Tractors: G2000 Kubota WG750-G 21HP Gas 1989-1995,
 G2460G Kubota WG752 24HP Gas 2005, G3200 Kubota Z400 10HP
 Dsl 1983-1990, G4200H Kubota Z430 12HP Diesel 1984-1990, G5200H
 Kubota D600 14HP Diesel 1984-1990; STEINER Tractors: 430 Kubota
 25HP Gas; THOMAS Skid Steers: T82 Kubota WG750 1989-1994.

NOTE Mitsubishi DD Starter for Grasshopper Lawn Tractors with
 Kubota 24.5 HP Engine, Kubota Excavators and Tractors, Steiner
 Tractors, and Thomas T82 Skid Steer.

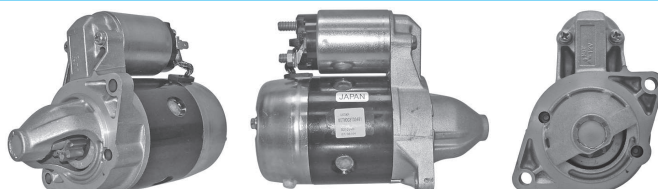


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18396N	12	1.0	PMGR	9T	CW

REPLACE Mitsubishi: M0T90281, M0T90282;
Kubota: 6C140-59210, 6C140-59211, 6C140-59212;
Pic Book: 103-515; **Lester:** 18396.

APPLICATIONS KUBOTA OPE Compact Tractors: B1700DT
 Kubota D905-D10 17HP Dsl 1995-1998, B1700E Kubota D905-D10
 17HP Diesel 1995-1998, B1700HSD Kubota D905-D10 17HP Diesel
 1995-1998, B1700HSD Kubota D905-D10 17HP Diesel 1995-1998,
 B2100DT Kubota D1005-D10 21HP Dsl 1995-1998, B2100HSD Kubota
 D1005-D10 21HP Diesel 1995-1998, B2100HSD Kubota D1005-D10
 21HP Diesel 1995-1998, B2320DT Kubota D1105-E3-D22 23HP Diesel
 2008-2009, B2320DTN Kubota D1105-E3-D22 23HP Dsl 2008-2009,
 B2320DWO Kubota D1105-E3-D22 23HP Diesel 2008-2009, B2320HSD
 Kubota D1105-E3-D22 23HP Diesel 2008-2009, B2400HST-D Kubota
 D1105-D10 24HP Diesel 1995-1998, B2400HST-DB Kubota D1105-D10
 24HP Diesel 1995-1998, B2400HST-E Kubota D1105-D10 24HP Diesel
 1995-1998, B2410HSD Kubota D1105-D10 24HP Diesel 1995-1998,
 B2410HSE Kubota D1105-D10 24HP Dsl 1995-1998, B2620HSD Kubota
 D1105-E3-D22 26HP Diesel 2008-2009, B2630HSD Kubota D1105-E2
 26HP Dsl 2009, B2920HSD Kubota D1305-E3-D22 29HP Dsl 2008-2009,
 B7410DT-F Kubota D782-E 18HP Diesel 2005, B7410DT-R Kubota
 D782-E 18HP Diesel 2005, B7500DT Kubota D1005-E 21HP Dsl 1996,
 B7500HSD Kubota D1005-E 21HP Diesel 1996, B7510DT-F Kubota
 D1005-E 21HP Diesel 2004-2007, B7510DT-R Kubota D1005-E 21HP
 Diesel 2004-2007, B7510DTN-R Kubota D1005-E 21HP Dsl 2004-2007,
 B7510HSD-F Kubota D1005-E 21HP Diesel 2004-2007, B7510HSD-R
 Kubota D1005-E 21HP Diesel 2004-2007, B7610HSD-F Kubota D1105-E
 24HP Diesel 2004-2007, B7610HSD-R Kubota D1105-E 24HP Diesel
 2004-2007.

NOTE Mitsubishi PMGR Starter for Kubota Front Loader and
 Kubota Tractors with D905-D10 1.0L, D1005-D10 1.1L Diesel Engines.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18162N	12	0.9	DD	9T	CW

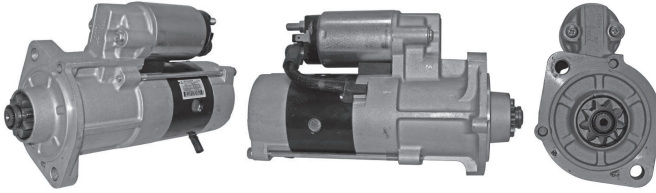
REPLACE Mitsubishi: M3T33481, M3T49981;
Lucas Electrical: LRS1443; **Carrier Transicold:** 25-34885-00,
 29-70050-00, 35-34885-00; **Kubota:** 16225-63012, 19007-63011,
 19837-63010, 19837-63011, 19837-63012, 19837-63013;
Pic Book: 103-103, 103-103A; **Lester:** 18162.

APPLICATIONS KUBOTA Excavators: KH007 Kubota Z430-K1
 8.5HP Diesel 1989-1993; Lawn Tractors: T1600H Z482 13.5HP Gas
 1990-1995.

NOTE Mitsubishi DD Starter for Carrier Trucks with Kubota Diesel,
 Kubota Lawn Tractors and Grasshopper Lawn Mowers with Kubota
 Diesel Engines. 9mm Mounting Holes.



MITSUBISHI STARTERS FOR KUBOTA APPLICATIONS



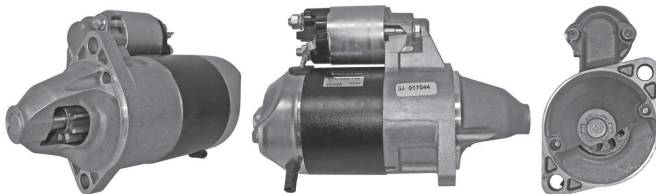
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18398N	12	2.5	OSGR	9T	CW

REPLACE Mitsubishi: M8T70971; Kubota: 1C010-63010, 1C010-63011, 1C010-63012; Pic Book: 103-316; Lester: 18398.

APPLICATIONS KUBOTA Utility Tractors with Kubota Diesel Engines: M105SDSC V3800DI 105HP Dsl 2003-2009, M105SDSCC V3800DI 105HP Dsl 2003-2009, M105SHC V3800DI 105HP Diesel 2003-2009, M105SHDC V3800DI 105HP Diesel 2003-2009, M105X V3800DI 105HP Diesel 2003-2009, M108S V38CRE3-S2 108HP Diesel 2007-2009, M108S V38DICR-TIE3-S2 108HP Diesel 2007-2009, M108XDTC V3800DI 108HP Diesel 2007-2009, M6800 V3300E 68HP Diesel 1998-2005, M6800DT V3300E 68HP Diesel 1998-2004, M6800HD-F V3300E 68HP Diesel 2001-2005, M6800HDC V3300E 68HP Dsl 2001-2005, M6800S V3300E 68HP Diesel 1998-2005, M6800S-F V3300E 68HP Dsl 1998-2005, M6800SC V3300E 68HP Diesel 1999-2004, M6800SD-F V3300E 68HP Diesel 1998-2005, M6800SDC V3300E 68HP Dsl 2000-2004, M6800SDT V3300E 68HP Diesel 1998-2005, M8200 V3300 82HP Diesel 1998-2005, M8200C V3300 82HP Dsl 1998-2005, M8200CCS V3300 82HP Dsl 1998-2005, M8200DT-F V3300 82HP Diesel 1998-2005, M8200DTC V3300 82HP Diesel 1999-2005, M8200F V3300 82HP Dsl 1998-2004, M8200HD-F V3300 82HP Diesel 1998-2005, M8200HDC V3300 82HP Diesel 1998-2005, M8200SDNB V3300 82HP Diesel 2000-2005, M8200SDNBC V3300 82HP Diesel 2000-2005, M8200SDNBF V3300 82HP Diesel 2000-2005, M8540DTHQ V3800DI-TE2-QZ 85.5HP Diesel 2007-2009, M8540DTQ V3800DI-TE2-QZ 85.5HP Diesel 2007-2009, M8540HDNBC V3800DI-TE3-ZA2 85.5HP Diesel 2007-2009, M8540HDBPC V3800DI-TE3-ZA2 85.5HP Diesel 2007-2009, M9000 V3300 90HP Diesel 1999-2009, M9000C V3300 90HP Dsl 1999-2009, M9000DT-F V3300 90HP Diesel 1999-2009, M9000DTC V3300 90HP Diesel 1999-2009, M9000DTCCS V3300 90HP Diesel 2000-2009, M9000DTL V3300 90HP Diesel 1999-2009, M9000DTL-F V3300 90HP Diesel 1999-2009, M9000DTM V3300 90HP Dsl 2000-2009, M9000DTMC V3300 90HP Diesel 2001-2009, M9000DTMCW V3300 90HP Diesel 2001-2009, M9000DTMW V3300 90HP Diesel 2001-2009, M9000F V3300 90HP Diesel 1999-2009, M9000HD-F V3300 90HP Diesel 2002-2009, M9000HDC V3300 90HP Diesel 2002-2009, M9000HDL V3300 90HP Dsl 2002-2009, M9540DTHQ V3800DI-TE2-QZ-HS 95HP Diesel 2007-2009, M9540DTQ V3800DI-TE2-QZ 95HP Diesel 2007-2009, M95SDSC V3800DI 95HP Diesel 2003-2009, M95SDSCS V3800DI 95HP Diesel 2003-2009, M95XDTC V3800DI 95HP Diesel 2003-2009, M96S V3800DI-TE2-Q 95HP Diesel 2007-2009; Generator Sets: SQ3350SW Kubota V3300 Diesel; THOMAS EQUIPMENT Skid Steers 225 Kubota V3300T Diesel, 245 Kubota V3300T Diesel, T245 Kubota V3300 Diesel 1998-2003.

NOTE Mitsubishi OSGR Starter for John Deere Tractors, Kubota Tractors, Thomas Skid Steers with Kubota Diesel Engines.

NIPPONDENSO STARTERS FOR KUBOTA APPLICATIONS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17355N	12	0.9	DD	9T	CW

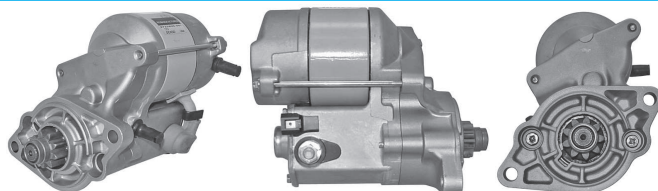
REPLACE Nippondenso: 028000-7480, 028000-7481; Nippondenso Reman.: 9702809-748; Lucas Reman.: S9916; Lucas Electrical: LRS1012; Kubota: 15221-63016, 15221-63017, 15221-63018; Pic Book: 190-142; Lester: 17355.

APPLICATIONS KUBOTA Compact Tractors: L185 Kubota Z751A 17HP Diesel 1977-1982, L185DT Kubota Z751A 17HP Diesel 1977-1982, L185F Kubota Z751A 17HP Diesel 1977-1982, COMPACT L185 Kubota Z751A 17HP Diesel 1977-1982.

NOTE Nippondenso DD Starter for Kubota Compact Tractors. Will Replace Early Version 028000-3360 (Lester 16583).



NIPPONDENSO STARTERS FOR KUBOTA APPLICATIONS

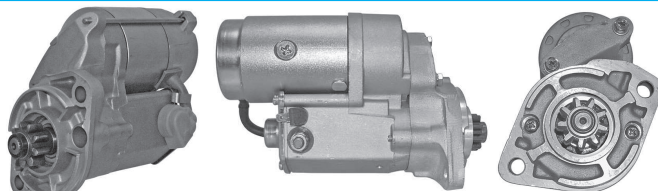


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18019N	12	1.4	OSGR	9T	CW

REPLACE Nippondenso: 228000-1530, 228000-1531;
Lucas Electrical: LRS1251; **Kubota:** 16611-63010, 16611-63011,
 16611-63012, 16611-63013; **Toro:** 99-9705; **Vermeer:** 296-271-101;
Pic Book: 190-583; **Lester:** 18019.

APPLICATIONS BOBCAT Wheel Tractor: B200 Kubota D1105
 Turbo 2002-2003; CASE Trenchers with Kubota V1505-B Diesel: 460,
 Maxi-Sneaker 1993-2001; GEHL Skid Steers SL3825 Kubota V1305E
 1991; KUBOTA D905B Engine 1992; KUBOTA Front Mowers: F3680
 Kubota 36HP Diesel 2006.

NOTE Nippondenso OSGR Starter for Gehl Skis Steer with
 Kubota V1305E Engine, Kubota F2260 Tractor, D905B Engine.

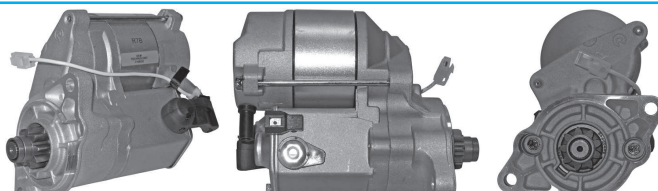


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18144N	12	1.4	OSGR	9T	CW

REPLACE Nippondenso: 228000-1020, 228000-1021,
 228000-1022, 228000-1080, 228000-1082, 228000-4920, 228000-4922;
Nippondenso Reman.: 9722809-102; **Lucas Electrical:** LRS1333;
Kubota: 15461-63013, 15461-63014, 15461-63015, 17298-63010,
 17298-63011, 17298-63013, 17341-63013, 17341-63015;
Pic Book: 190-374, 190-374A, 190-374B, 190-374E; **Lester:** 18144.

APPLICATIONS KUBOTA Excavators: KX101 Kubota V1902BH
 36.6HP Diesel 1992; Loaders R420 Kubota D1503T 43HP Diesel 1995,
 R420BU-1A Kubota D1503T 43HP Diesel 1995; Generator Sets:
 GV3190QSW Kubota V2203 24.7HP Diesel 1992, GV3250QSW
 F2803B 31.6HP Diesel 1995, KJS150V Kubota V2203 Diesel, KJT210V
 Kubota V2203 Diesel, KJT270FSW F2803 Diesel; V1502 Engine 1992;
 Compact Tractors: L4310DT Kubota V2203AN 45.3HP Dsl 1998-2002,
 L4310F Kubota V2203AN 45.3HP Diesel 1998-2002, L4310GSTC Kubota
 V2203AN 45.3HP Diesel 1998-2002, L4310GSTC Kubota V2203AN
 45.3HP Diesel 1998-2002, L4310HST Kubota V2203AN 45.3HP Diesel
 1998-2002, L4310HSTC Kubota V2203AN 45.3HP Diesel 1998-2002;
 NEW HOLLAND Skid Steer Loaders eith Kubota V1902 Engine: L553
 1987-1993, L555 Kubota V1902 1981-1993; THOMAS Skid Steers: 175
 Kubota V2203T Diesel.

NOTE Nippondenso OSGR Starter for Kubota Tractors.

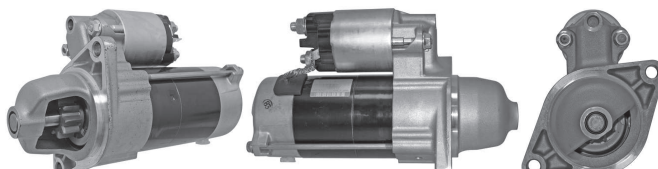


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18400N	12	1.2	OSGR	9T	CW

REPLACE Nippondenso: 228000-0950, 228000-0951,
 228000-0980, 228000-0981; **Nippondenso Reman.:** 9722809-095,
 9722809-098; **Lucas Electrical:** LRS1526; **Kubota:** 16285-63010,
 16285-63011, 16285-63012, 37560-63010, 37560-63011, 37560-63012;
Pic Book: 190-429, 190-6106; **Lester:** 18400.

APPLICATIONS KUBOTA Diesel Engines: V1405, V505-B
 1992-On; GRAVELY Lawn Tractors: PM460 with Kubota 30HP Diesel.

NOTE Nippondenso OSGR Starter for Kubota Diesel Engines,
 Used On Various Lawn Equipment with Kubota Diesel.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18413N	12	1.1	PLGR	9T	CW

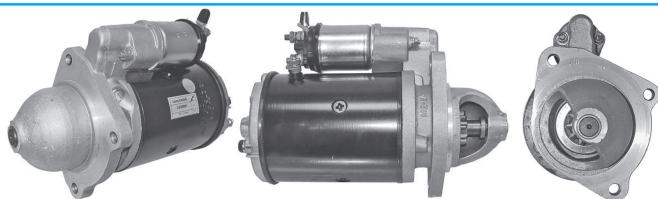
REPLACE Nippondenso: 428000-1160; **Nippondenso
 Reman.:** 9742809-116; **Kubota:** 1G069-63011; **Pic Book:** 190-6123;
Lester: 18413.

APPLICATIONS KUBOTA Turf Mowers: ZD25 Kubota D1105
 25HP Diesel, ZD28 Kubota D1105 28HP Diesel.

NOTE Nippondenso OSGR Starter for Kubota Turf Mowers.



LUCAS STARTERS FOR LEYLAND NUFFIELD TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S106	12	2.8	DD	10T	CW

REPLACE Lucas: 26246, 26246A, 26246L, 26304, 26304A, 26304B, 26304D, 26343, 26343A, 26343B, 26343D, 26343K, 26351, 26351A, 26351B, 26351D, 26351H, 26376, 26376A, 26376L, 27513, 27526, 27526A, 27526B, 27526C, 27526D; **Lucas Reman.:** S5014; **Lucas Electrical:** LRS106; **Pic Book:** 180-302 (M50), 180-302A (M127); **Lester:** 17071.

APPLICATIONS LEYLAND NUFFIELD Tractors: Model 2100 1974-1979, Model 245 / 245S Perkins 3-152 1973-1984, Model 255 Leyland 4-222 Dsl 1973-1976, Model 262 / 262S Leyland 4-230 Dsl 1976-1984, Model 270 Leyland 4-230 Dsl 1973-1976, Model 272 / 272S Leyland 4-230 Dsl 1976-1984, Model 285 1974-1979, Model 344 1970-1972, Model 384 1970-1972, Model 4100 1974-1979, Model 462 Leyland 4-230 Dsl 1979-1984, Model 465 1970-1972, Model 472 Leyland 4-230 Dsl 1979-1982, Model 485 1974-1979.

NOTE Lucas M50 / M127 Series DD Starter for JCB Loaders with Perkins Engines and Leyland Nuffield Tractors.

BOSCH STARTERS FOR LIEBHERR BULDOZERS / EXCAVATORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S16369	12	3.5	DD	9T	CW

REPLACE Bosch: 0-001-400-008, 0-001-401-007, 0-001-401-011, 0-001-401-017, 0-001-401-034, 0-001-401-035, 0-001-401-049, -050, 0-001-401-066, 0-001-413-001, 0-001-413-006, 0-001-418-001, -012; **Bosch Reman.:** SR918X; **Iskra:** IS0116, IS0126, IS9007, IS9008, 11-130-116, 11-130-126, 11-139-007, 11-139-008, 11-139-037, AZK5106, AZK5167, AZK5168, AZK5196; **Claas:** 1322450, 1326150, 6092820; **International:** 82068-C91, 82068-C92; **KHD:** 117-0739, 130-1500, 132-0738, C9R-12X4-H7622, 291-8662; **Mercedes:** 000-151-80-01, 001-151-36-01, 002-151-80-01, -84-01, 003-151-56-01, 003-151-59-01; **Lucas Electrical:** LRS822; **Lucas Reman.:** S0822; **MWM-Diesel:** 6-0572-01-0-0002; **Renault:** 01-22-946-900, 03-25-339-011; **Steyr:** 313T090031, 413T090001; **Volvo:** 240519, 48547, 6601769, 6643899; **Pic Book:** 120-581, 120-581A, 120-581B, 120-581C, 120-581D, 182-126, 182-256, 182-256A, 182-312 (Iskra Replacement); **Lester:** 16369.

APPLICATIONS LIEBHERR Bulldozers: PR721 with OM352 Mercedes 1974-1990.

NOTE Bosch FKB Type Starter for KHD Engines, Claas, Liebherr, Lombardini, Mercedes Trucks, Steyr Tractors, Volvo.



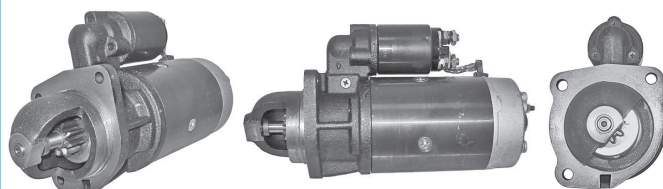
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17094	24	5.5	DD	11T	CW

REPLACE Bosch: 0-001-410-046, 0-001-410-053, 0-001-410-063, 0-001-410-081, 0-001-410-099, 0-001-410-109, 0-001-416-005, -030; **Bosch Reman.:** SR917X; **Iskra:** IS9002, 11-139-002, AZK5162; **Lucas Electrical:** LRS2151; **Bomag:** 057-109-18; **Fiat:** 4774976, 4842813, 8122161; **KHD:** 116-2504, 116-2506, 117-1203, 117-4633, 132-6430, 240-3887, D6R-24X6-H7622; **MAN:** 51-26201-7029, 81-26201-9029; **Renault:** 77-01-003-914; **Steyr:** 615-0009-012; **Volvo:** 240340, 422997, 465930, 50011680, 7240340; **Pic Book:** 120-582, 120-582B, 120-582D, 120-582E, 182-252 (Iskra Replacement); **Lester:** 17094.

APPLICATIONS LIEBHERR Excavators: R961 F6L413 Deutz 1973-1990, R971 F8L413 Deutz 1973-1990.

NOTE Bosch FKB Type Starter for Atlas Copco, Fiat-Allis, KHD, Liebherr Excavators, MAN Trucks, Volvo Trucks. Opposite to S416003 (120-582A).

BOSCH STARTERS FOR LIEBHERR EXCAVATORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17074	12	3.0	DD	9T	CW

REPLACE Bosch: 0-001-358-044, 001-358-046, 0-001-358-048, 0-001-358-049, 0-001-359-027, 0-001-359-049, 0-001-359-073, 0-001-362-305, 0-001-367-004; **Bosch Reman.:** SR926X; **Iskra:** IS0552, 11-130-026, 11-130-484, 11-130-552; AZJ0402, AZJ3128, AZJ3170; **Lucas Electrical:** LRS921; **Marelli:** 9432 522 04, MSR697, MT74G; **Bomag:** 057-109-01, -05, -23, -27, -91, -92; **Fendt:** X830-100-001; **International:** V941501; **KHD:** 116-1364, 116-3669, 116-4994, 117-3240, 117-3280, 117-8026, B15R-12X3-H7622, B23R-12X3-H7622; **Liebherr:** 610-71-08; **Poclain:** N-0041596; **Pic Book:** 120-507, 120-513, 120-516, 120-530, 182-104 (Iskra Replacement); **Lester:** 17074.

APPLICATIONS CLAAS Combines: Consul Deutz F4L912 1967-1974, Corsar Deutz F4L912 1974-1975, Cosmos Deutz F4L912 1967-1972, Europa Deutz F4L912 1967-1972, Mercator Deutz F4L912 1968-1972, Mercator 50 Deutz F4L912 1973-1974, Mercator 60 Deutz F6L912 1973-1981, Mercator 70 Deutz F6L912 1973-1974, Mercator 75R Deutz F6L912 1974-1981, Mercur Deutz F4L912 1967-1972, Senator Deutz F6L912 1966-1972.

NOTE Bosch DD Starter for Claas Combines, Deutz, Fuchs Excavators, International Loaders, KHD Tractors, Liebherr, Poclain.

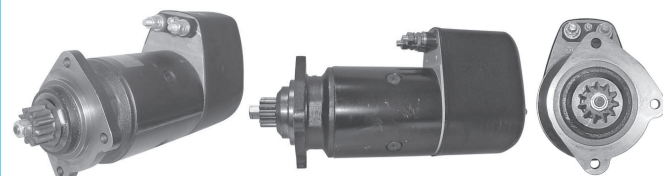


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17108	24	5.4	DD	9T	CW

REPLACE Bosch: 0-001-402-054, 0-001-402-055, -075, -081; 0-001-414-003, 0-001-414-010, 0-001-416-020, -024, -039, -047, -054; **Bosch Reman.:** SR921X; **Iskra:** IS0115, IS9009, IS9071, 11-130-115, 11-136-035, 11-139-009, AZK5104, AZK5169, AZK5194; **Lucas Electrical:** LRS0824; **Marelli:** MSR685; **Liebherr:** 610-40-21; **MAN:** 51-26201-7001, -7074, -9001, -9074; **Mercedes:** 001-151-41-01, 002-151-85-01, 003-151-60-01; **Same:** 296190600; **Scania:** 313360, 349581; **Steyr:** 413-9090-014; **Pic Book:** 120-585, 120-585A, 120-585B, 182-126, 182-258 (Iskra Replacement); **Lester:** 17108.

APPLICATIONS LIEBHERR Bulldozers: PR731 with OM360 Mercedes Engine 1974-1978.

NOTE Bosch FKB Type Starter for Faun Diesel Trucks, Liebherr Bulldozers, MAN, Mercedes, Scania Trucks.

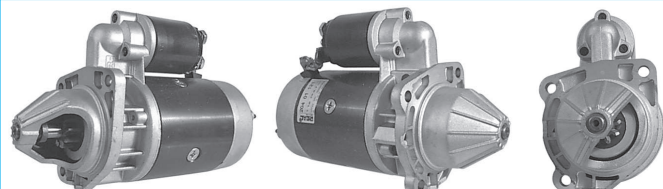


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18118	24	5.4	DD	11T	CW

REPLACE Bosch: 0-001-410-087, 0-001-416-032, 0-001-416-071; **Iskra:** IS9003, 11-130-486, 11-139-003, AZK5163, AZL3642; **Lucas Electrical:** LRS1883; **Faun:** 17101-052, 17101-071; **Liebherr:** 600-09-70; **KHD:** 116-3558, 117-4637; **Pic Book:** 120-577, 120-577A, 120-577B, 182-254 (Iskra Replacement); **Lester:** 18117, 18118.

APPLICATIONS LIEBHERR Engines: D904T Supercharged Diesel 1991, D926TI without Supercharger 1995; LIEBHERR Excavators: A902 Litronic D904TB Engine 1991.

NOTE Bosch FKB Type Starter for Faun Diesel Trucks, Liebherr Excavators, KHD Diesel.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S120521	12	2.4	DD	9T	CW

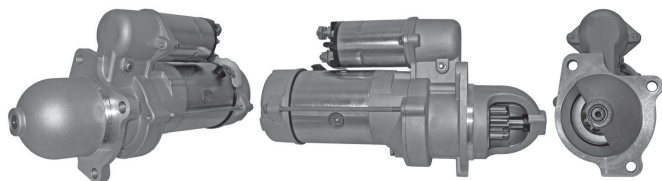
REPLACE Bosch: 0-001-362-016, 0-001-362-034, 0-001-362-091, 0-001-362-305; **Bosch Reman.:** SR926X; **Bomag:** 057-109-17; **Lucas Electrical:** LRS1276; **Iskra:** IS0551, 11-130-117, AZJ3508; **Hanomag:** 114-939-706; **KHD:** 116-4668, 117-8026; **Pic Book:** 120-521, 120-521B, 182-188 (Iskra Replacement); **Lester:** 17075.

APPLICATIONS LIEBHERR Excavators: R911 F4L912 Deutz 1982-1992, R921 F4L912 Deutz 1982-1992.

NOTE Bosch DD Starter for Atlas Copco, Claas Combines with Deutz-KHD Engines, Iveco Trucks, Liebherr Excavators.



DELCO STARTERS FOR LISTER-PETTERS TRACTORS



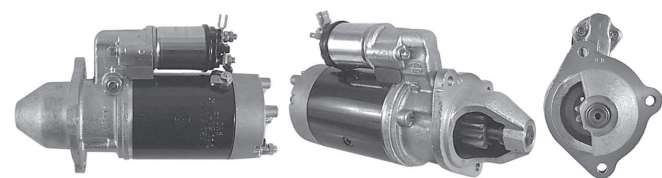
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S6571N	12	3.5	OSGR	12T	CW

REPLACE Delco: 10461445, 10465058, 1113273, 323-451; Lucas Electrical: LRS1384; Bobcat: 6630182, 6649676, 6660797, 6701847, 6714082; New Holland: 9800888; Prestolite: 35259000; Pic Book: 140-921, 170-278 (Prestolite Replacement); Lester: 6571.

APPLICATIONS LISTER-PETTERS Farm Tractors: HL3 Series 1986-1988, HL4 Series 1986-1988.

NOTE Delco 28MT Series Dry Clutch Starter for Bobcat and Clark with Kubota Engines, Gehl with Perkins Diesel, Hyster, Lister-Petters and New Holland. 3-Terminal Solenoid. This Unit Could Replace 1107588, Lester 4280 (25MT). This is the Dry Clutch Version of the 6586.

LUCAS STARTERS FOR LISTER-PETTERS TRACTORS

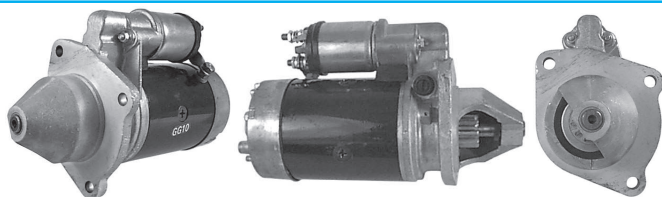


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S155	12	2.2	DD	10T	CW

REPLACE Lucas: 26153, 26166, 26286, 27419A, 27419D, 27476, 27481, 27489, NSB416, NSB515; Lucas Reman.: S4562; Lucas Electrical: LRS155, LRS138; Marelli: MSN181, 632 274 19; Iskra: IS0795, 11-130-795, AZJ3324; Lister-Petter: 202-34960, 202-34962; Perkins: 2873126, 2873153; Pic Book: 180-319, 180-319A, 182-401 (Iskra Replacement); Lester: 18261.

APPLICATIONS LISTER-PETTERS Tractor Engines: TS, TR, TX T range, TX3 2.3L - 3cyl 2001; Tractors: P600 Series 1973, TL / TR / TS / TX Series 1973, TL2 / TL3 1983-1988, TS1 / TS2 / TS3 1983, TX2 / TX3 1987.

NOTE Lucas 2M113 Series DD Starter for Lister-Petters, Lancer Boss and Waukesha Industrial Applications with Perkins Engines.

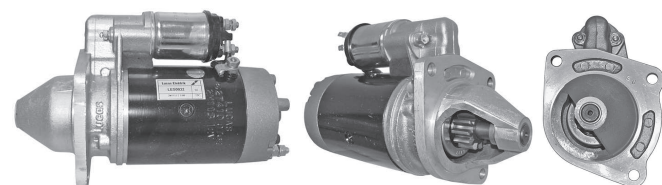


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S157	12	2.2	DD	10T	CW

REPLACE Lucas: 26071, 26133, 26133D, 26133N, 26167, 26173, 26244, 26278, 26917, 26918, 27413, 27423, 27463, NSB513; Lucas Reman.: S4523; Lucas Electrical: LRS157; Iskra: IS0630, 11-130-630, AZJ3204; Marelli: MSN177, 632 274 13; Case: K89772; Massey Ferguson: 1712921T; Lister-Petters: 204-13270, -13275, 274899; Perkins: 2873152, 2873168; Pic Book: 180-362, 180-362A; Lester: 16664.

APPLICATIONS LISTER-PETTERS Farm Tractors: PH Series 1973, SR4 Series 4cyl Diesel 1973, ST1 Series 1/ 2 / 3cyl Dsl 1973, ST2 Series 1/ 2 / 3cyl Dsl 1973, ST3 Series 1/ 2 / 3cyl Diesel 1973.

NOTE Lucas M45G / 2M113 Series DD Starter for Allis Chalmers, Lister-Petters and Massey Ferguson Industrial Applications. Bosch Version is 0-001-362-060 (Lester 19674).



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S555	12	2.1	DD	11T	CCW

REPLACE Lucas: 26270, 26270F, 26270H, 26270J, 27410, 27410A; Lucas Electrical: LRS555; Lister-Petters: 204-13273; Pic Book: 180-381; Lester: 17643.

APPLICATIONS LISTER-PETTERS Tractor Engines: ST1 ST1 Engine (CCW), ST2 ST2 Engine (CCW), ST3 ST3 Engine (CCW); LISTER-PETTERS Tractors: SR2 Series 1968, TR Series 1973.

NOTE Lucas M45 Series DD Starter for Lister-Petters Tractors. 26916 (S4536 / Lester 19739) is PLGR Replacement for this Starter.

LUCAS STARTERS FOR LISTER-PETTERS TRACTORS

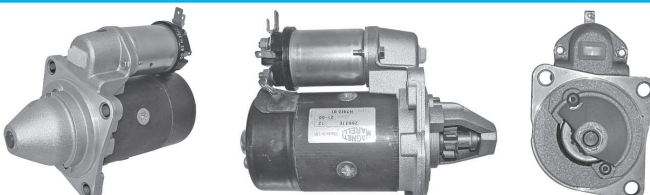


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17638	12	1.4	PMGR	10T	CW

REPLACE Lucas: 26803; Lucas Reman.: S2807; Marelli: 632 268 03, MSN140; Lister-Petter: 602-37092; Pic Book: 180-374; Lester: 17638.

APPLICATIONS LISTER-PETTERS Farm Tractors: LV2 Series 1985-1992.

NOTE Lucas M78R Series PMGR Starter for Lister-Petter Tractors.



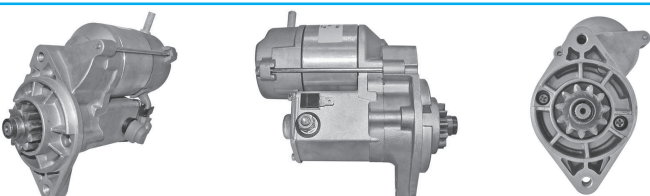
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S26631	12	0.8	DD	9T	CCW

REPLACE Lucas: 25219, 25219D, 25219E, 25219F, 25219H, 25373, 25373A, 26631B, 27018, SMR111; Lucas Electrical: LRS270; Lucas Reman.: S3515; Marelli: MSN111, 63222631; Iskra: IS1010, 11-131-100, ASE1227; Lister-Petters: 407046, 407056, 407058; Pic Book: 180-129, 180-177, 182-477; Lester: 16723.

APPLICATIONS LISTER-PETTERS Tractor Engines: DFM 1974; LISTER-PETTERS Tractors: AA, AB, W Air Cooled Diesel 1969, AC1, AC2, BA1, BA2 Water Cooled Diesel 1969, LPW4 Alpha Series Water Cooled Diesel 1969.

NOTE Lucas M79 Series DD Starter for Lister Petter and Onan Industrial Applications. Lucas M35J Series Replacement is 25219 (Lester 16723).

DENSO STARTERS FOR LISTER-PETTERS TRACTORS



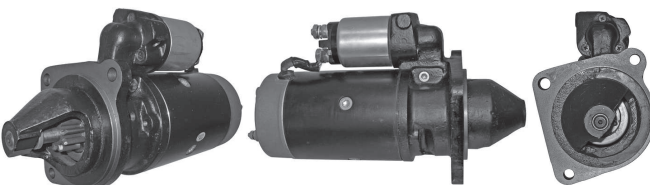
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18158N	12	1.4	OSGR	10T	CW

REPLACE Denso: 128000-8100, 128000-8101, 228000-1880, 22800-1881; Lucas Electrical: LRS01314; Iskra: 11-131-052, IS1051, AZE2117; Lister-Petter: 757-17980, 757-21700; Pic Book: 180-516, 190-594, 182-460 (Iskra Replacement); Lester: 18158.

APPLICATIONS LISTER-PETTERS Tractor Engines: Alpha range 1990, LPA2 Alpha Series 1990, LPW2 930ccm 2cyl 14.7kw 1990, LPW3 1395ccm 3cyl 20.1kw 1990, LPW4 1860ccm 4cyl 29.5kw 1990, LPWS2 930ccm 2cyl 14.7kw 1990, LPWS3 1395ccm 3cyl 20.1kw 1990, LPWT4 1860ccm Turbo 4cyl 40.2kw 1990; Tractors: LPA2 Alpha Series 2cyl Engine 1990, LPW2 Alpha Series 2cyl Engine 1990, LPWS2 Alpha Series 2cyl Engine 1990, LPWS3 Alpha Series 2cyl Engine 1990.

NOTE Nippondenso OSGR Starter for Lister-Petters Alpha Series Tractors with 2 Cyl. Engine

BOSCH STARTERS FOR LONG TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17184	12	3.0	DD	9T	CW

REPLACE Bosch: 0-001-359-091, 0-001-367-014; Lucas Electrical: LRS944; Marelli: MSN226, 632 171 21; Iskra: IS0409, IS0618, 11-130-409, 11-130-510, 11-130-618, AZJ3115, AZJ3145, AZJ3195; Fiat: 5111319, 5119319; Pic Book: 120-535, 120-535A, 182-160, 182-202 (Iskra Replacement); Lester: 17184.

APPLICATIONS LONG TRACTOR Farm Tractors: 350, 445 1974-1989, 550 1974-1989.

NOTE Bosch DD Starter for Long Tractors. This Unit Will Interchange with Romanian S2134 (Lester 17219).



LUCAS TVS STARTER FOR LONG / UNIVERSAL TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S24033	12	2.1	DD	9T	CW

REPLACE Lucas TVS: 619 240 33; Lucas Electrical: LES0048; Universal: ZC92134000.

APPLICATIONS LONG / UNIVERSAL Farm Tractors: U-445 1974-1989, U-640 1980-1985.

NOTE Lucas TVS DD Starter for Long / Universal Tractors. This Unit May Interchange with the Bosch S17184 (0-001-367-014) and Romanian S2134.

MARELLI STARTERS FOR LONG / UNIVERSAL TRACTORS



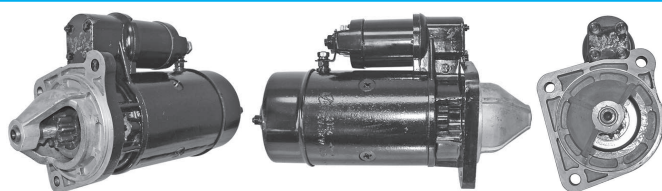
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17111	12	3.0	DD	9T	CW

REPLACE Marelli: 63216825, 63216826, 63216827, 63216831, 63213615, 943216831; MT68A, MT68AA, AB, AC, AD; MSN219; Bosch: 0-001-359-021, 0-001-359-102, 0-001-367-028, 0-001-367-082; Bosch Reman.: SR914X; Lucas Electrical: LRS182, LRS847; Bosch Newman.: SR9980N; Iskra: IS0403, 11-130-140, 11-130-199, 11-130-322, 11-130-403, 11-130-410, AZJ3517, AZJ3535, AZJ3582, AZJ3110, AZJ3116; Fiat: 4169096, 4699705, 4737755, 4755109, 88206006; Iveco: 500333271; Pic Book: 102-311, 102-311A, 102-312, 182-154 (Iskra Replacement); Lester: 17111.

APPLICATIONS LONG TRACTOR Tractors: 1010 1975-1978, 350 1974-1989, 360 UTB 3-143 Diesel 1977-1991, 445 1974-1989, 460 UTB 3-143 Diesel 1977-1991, 550 1974-1989, 560 UTB 4-191 Diesel 1975-1979.

NOTE Bosch / Marelli DD Starter for AIFO Marine Diesel Engines, Fiat-Allis, Iveco, Long Tractors.

ROMANIAN STARTERS FOR LONG / UNIVERSAL APPLICATIONS



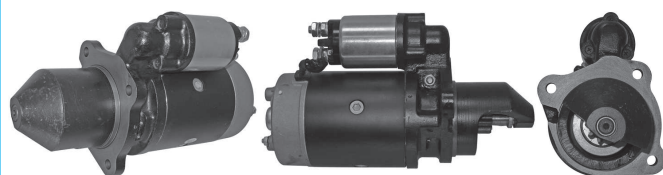
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S2134	12	3.0	DD	9T	CW

REPLACE Romanian / Electroprecizia: 2130, 2134, 2138, DM2130, DM2134, DM2138; Lucas Electrical: LRS847; Iskra: IS0409, 11-130-127, 11-130-198, 11-130-409, AZJ3115, AZJ3516, AZJ3534; Fiat: 4988513; Pic Book: 105-200, 182-160 (Iskra Replacement); Lester: 17219.

APPLICATIONS LONG Tractors: 2360 3-143 Diesel 1990-1997, 2360 DTC 3-143 Diesel 1995-1997, 2460 3-143 Diesel 1990-1997, 2460 DTC 3-143 Diesel 1995-1997, 260 UTB 2-95 Diesel 1980-1988, 2610 4-219 Diesel 1990-1997, 2630 1990-1997, 310 UTB 2-110 Diesel 1980-1990, 340 1980-1985, 360 UTB 3-143 Diesel 1977-1991, 445 1974-1989, 460 UTB 3-143 Diesel 1977-1991, 500 1980-1985, 510 UTB 3-165 Diesel 1979-1990, 530 1980-1985, 550 1974-1989, 600 1980-1989, 610 UTB 4-219 Diesel 1979-1990, 640 1980-1985, 850 1980-1989.

NOTE Romanian DD Starter for Allis Chalmers and Long / Universal Tractors. It Appears That the Bosch 17184 (0-001-367-014) May Interchange Here.

BOSCH STARTERS FOR MASSEY FERGUSON TRACTORS

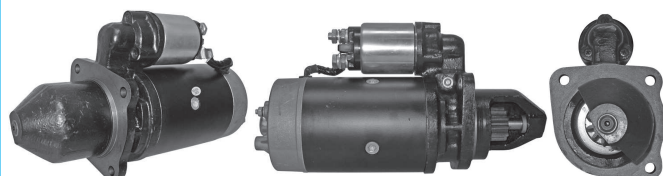


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17127	12	2.4	DD	9T	CW

REPLACE Bosch: 0-001-362-051; Lucas Electrical: LRS1049; Iskra Sales: IS0412; Massey Ferguson: 1075-582-M91; Claas: 685-381-0; Pic Book: 120-558; Lester: 17127.

APPLICATIONS Massey Ferguson Combines: MF-8450 Mercedes OM352 Engine 1989-1996, MF-8460 Mercedes OM366 Engine 1989-1997.

NOTE Bosch DD Starter for Claas Combines and Massey Ferguson Combines with Mercedes Engines.



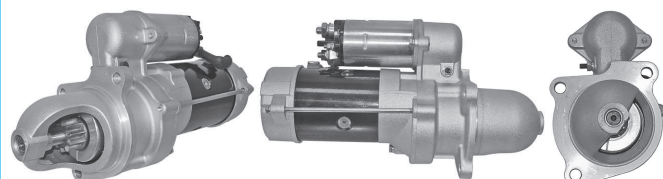
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18254	24	4.0	DD	10T	CW

REPLACE Bosch: 0-001-368-026, -040, -051, 0-986-013-770; Bosch Reman.: SR913X; Iskra: IS0993, 11-130-993, AZJ3351; Lucas Electrical: LRS1845; Massey Ferguson: 3091-293-M91, 3091-293-M92, 8091-293-M91; Caterpillar: OR1903; Perkins: PF54924; Pic Book: 120-6018, 120-6018A, 120-6018B, 182-438 (Iskra Replacement); Lester: 18254.

APPLICATIONS Massey Ferguson Farm Tractors.

NOTE Bosch DD Starter for Caterpillar Engines, Massey Ferguson Tractors, Perkins Engines and Tinberjack Applications. Three Hole Mounting.

DELCO STARTERS FOR MASSEY FERGUSON TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S6576N	12	2.8	OSGR	10T	CW

REPLACE Delco: 323-442, 323-443, 10461450, 10461451, 10465049, 10465050, 1113281, 1113282; Lucas Electrical: LRS1230; Iskra Sales: IS1063; Bobcat: 6630180, 6630181, 6651210, 6651664; Pic Book: 140-924; Lester: 6576.

APPLICATIONS Massey Ferguson MF-60E Industrial Tractor with Perkins Diesel Engines 1989-1992.

NOTE Delco 28MT Series Dry Clutch Starter for Bobcat, Clark, Massey Ferguson and New Holland with Perkins, Isuzu and Caterpillar Engines. This Unit Looks Like, and Could Replace Delco DD 25 MT Starter (1109253, Lester 4887). For Sealed Wet Clutch Version Use Delco S6578N Unit.

ISKRA STARTERS FOR MASSEY FERGUSON TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S0408	12	3.0	DD	10T	CW

REPLACE Delco: Iskra: IS0408, 10-130-141, 11-130-074, 11-130-194, 11-130-408, AZK5111, AZJ0404, AZJ3114, AZJ3531; Lucas Electrical: LRS190; Pic Book: 182-107, 120-596 (Bosch), 140-850 (Delco Version), 180-360 (Lucas Version); Lester: 19658.

APPLICATIONS Massey Ferguson Industrial Tractors: MF-240 1979-1988, MF-245 2.5L 1977-1988, MF-350 / MF-355 1986-1992.

NOTE Iskra Replacement for Bosch DD Starter. Used on Massey Ferguson, Ursus Tractors with Perkins Engines. Could Replace Bosch 0-001-362-008 (Lester 19654), Delco 20MT Type 1107512 (Lester 4192) and Lucas 17639 (IAT S190).



LUCAS STARTERS FOR MASSEY FERGUSON TRACTORS

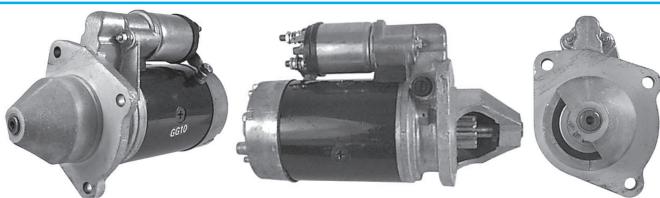


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S124	12	2.1	DD	10T	CW

REPLACE Lucas: 26148, 26157, 26196, 26282A, 26283, 26375, 26422, 26435, 27417, 27435, 27478, 27486; Lucas Reman.: S4539; Lucas Electrical: LRS124; Iskra: IS0526, 11-130-526, AZJ3151; Marelli: MSN180, 632 274 86; Massey Ferguson: 1447-586-M91, 8972-69-M1; Perkins: 2873121T, 2873125, 2873141, 2873A010, 2873A102R, 2873D003; Pic Book: 180-361, 180-317; Lester: 17644.

APPLICATIONS Massey Ferguson Farm Tractors: MF-244 1969-1971, MF-3200 Perkins Diesel 1969-1973.

NOTE Lucas M45 Series DD Starter for Barber Greene Finishers and Massey Ferguson Tractors with Perkins Engines.

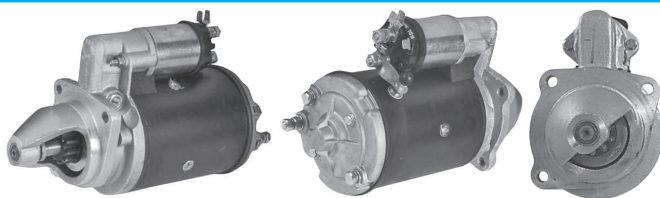


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S157	12	2.2	DD	10T	CW

REPLACE Lucas: 26071, 26133, 26133D, 26133N, 26167, 26173, 26244, 26278, 26917, 26918, 27413, 27423, 27463, NSB513; Lucas Reman.: S4523; Lucas Electrical: LRS157; Iskra: IS0630, 11-130-630, AZJ3204; Marelli: MSN177, 632 274 13; Case: K89772; Massey Ferguson: 1712921T; Lister-Petters: 204-13270, -13275; Perkins: 2873152, 2873168; Pic Book: 180-362, -362A; Lester: 16664.

APPLICATIONS Massey Ferguson Farm Tractors: FE-35 Diesel Engines 1956-1960, MF-702 1959-1962.

NOTE Lucas M45G / 2M113 Series DD Starter for Allis Chalmers, Lister-Petters and Massey Ferguson Industrial Applications. Bosch Version is 0-001-362-060 (Lester 19674).

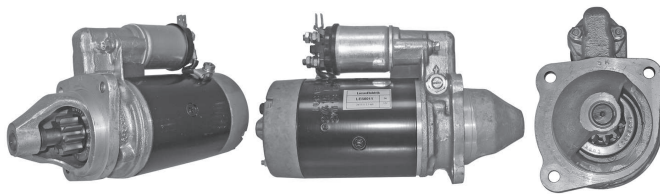


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S162	12	2.8	DD	10T	CW

REPLACE Lucas: 25372, 26358, 26358B, 26358D, 26408, 27503, 27519, 27537, 27541, 27590, 27598, 27608, NSB525; Lucas Reman.: S5025, S5037; Lucas Electrical: LRS162, LRS969; Iskra Sales: IS0526, IS0509; Case: 311-6683-EX, 311-6683-R91; Perkins: 2873002T, 2873A029, 2873B053, 2873B057, 2873B057R; Leece Neville: 66925090S; Pic Book: 180-308, 180-308A, -308B, 180-308C, 182-210 (Iskra Replacement); Lester: 17651.

APPLICATIONS Massey Ferguson Farm Tractors: MF-174 Perkins 4-236 Diesel 1986-1990, MF-184 Perkins A4-236 Diesel 1986-1989, MF-194 1993, MF-194-4 1979-1992, MF-253 Perkins AD2-152 Diesel 1988-1999, MF-254 Perkins AD2-152 Diesel 1982-1987, MF-274 Perkins AD4-236 Diesel, MF-274-4 Perkins AD4-236 Diesel, MF-294 Perkins 6-358 Diesel, MF-294-4 Perkins 6-358 Diesel 1982-1986, MF-360 Perkins 3-152 Diesel 1986-1992, MF-374 Perkins 4-236 Diesel 1989-1999, MF-377 1987-1996, MF-384 1989-1992, MF-394 Perkins 4-248 Diesel 1989-1993, MF-397 / MF-397T 1989-1996.

NOTE Lucas M50 / M127 Series DD Starter for Clark, IHC, JCB, Massey Ferguson Applications with Perkins Engines.



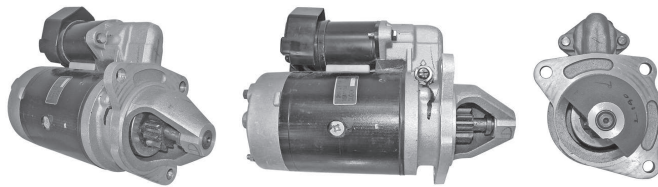
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S178	12	2.2	DD	10T	CW

REPLACE Lucas: 26151, 26198, 26281, 26281A/E, 26281F/J, 27415, 27473, 27479, 27487, NSB501; Lucas Reman.: S4535; Lucas Electrical: LRS170, LRS215; Iskra: IS1273, 11.131.635, AZJ3447; Marelli: MSN178, 632 274 15, 632 274 87; Massey Ferguson: 888346M1, 888346M2; Perkins: 2873145T, 2873180, 2873181, 2873185, 2873186, 2873A015, 2873A103, 2873D001; Pic Book: 180-389, -389A, -389D, 182-598 (Iskra); Lester: 18919.

APPLICATIONS Massey Ferguson Farm Tractors: MF-365 1986-1990, MF-375 1986-1997, MF-390 1986-1997, MF-390T 1991-1997, MF-398 1983-1984, MF-399 1986-1990.

NOTE Lucas M45G / 2M113 Series DD Starter for Ford New Holland, Ingersoll Rand, Massey Ferguson, Perkins. S186 (13 T) Can Be Used if the Drive is Changed.

LUCAS STARTERS FOR MASSEY FERGUSON TRACTORS

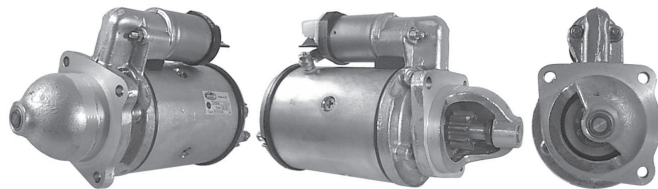


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S190	12	2.7	DD	10T	CW

REPLACE Lucas: 26154, 26200, 26220, 26264A/K, 26412, 27409, 27432, 27459, 27469, 27470, 27474, 27480, NSB509; **Lucas Reman.:** S4515; **Lucas Electrical:** LRS190; **Lucas TVS:** 269 25 189D; **Iskra:** IS0520, 11.130.520, AZJ3148; **Marelli:** MSN184, 632 274 70; **JCB:** 714/142000; **Massey Ferguson:** 1680065M2, M3, R3, 1808449M2, 1893611M91, 1903127M91, 2873A012T, 3597426R2, 3930505R1, 887057M1, M2, 887057R2, 898090M1; **Perkins:** 27432R, 2873115, 2873143, 2873A012, 22873A012T, 2873A017, 2873A104, 2873D005; **Pic Book:** 180-360, 180-360A, -360B, 182-176 (Iskra Replacement); **Lester:** 17639.

APPLICATIONS Massey Ferguson MF-205 / MF-205SP Combines with Chrysler H-170 Engine 1966-1970; Massey Ferguson Farm Tractors: MF-65 Diesel 1956-1962, MF-135 Perkins AD3-152 Diesel, MF-148 Perkins AD3-152 Diesel 1964-1972, MF-154 Perkins AD3-152 Diesel 1980-1981, MF-154 1986-1989, MF-165 Perkins AD4-203 Diesel 1964-1966, MF-184 Perkins AD4-203 Diesel 1980-1985, MF-20 1970-1971, MF-2135 1964-1968, MF-263T 1993, MF-35 1964-1968, MF-364 Perkins 3-152 Diesel 1989-1993, MF-40 1970-1971, MF-65 1959-1964, MF-702 1959-1962; Massey Ferguson Industrial Tractors: MF-203 / MF-205 1964-1968, MF-20B Perkins AD3-152 Diesel 1970-1981, MF-20E Perkins Diesel 1983-1986, MF-20F Perkins Diesel 1985-1994, MF-2135 Perkins AD3-152 Diesel 1966-1970, MF-2203 / MF-2205 / MF3303 / MF-3305 1968-1969, MF-30E Perkins Diesel 1983-1992, MF-550 1976-1981.

NOTE Lucas M45G / 2M113 Series DD Starter for Massey Ferguson Tractors with Perkins Engine. Could Replace Delco 20MT 4192 (OE 1107512).



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S195	12	2.8	DD	10T	CW

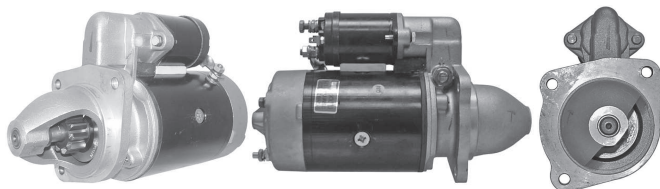
REPLACE Lucas: Lucas: 27502, B, E, 27518, B, F, J, 27520, 27570, B, 27570F, 27588, A, 27592, 27596, NSB522, NSB524, NSB526; **Lucas Reman.:** S5021, S5023; **Lucas Electrical:** LRS161, LRS195, LRS968; **Iskra:** IS0526, 11.130.526, AZJ3151; **Marelli:** MSN188, MSN191, MSN203, 632 275 02, 92, 96; **JCB:** 714/293000; **Allis Chalmers:** 1002891; **Leece-Neville:** 66925089S; **Massey Ferguson:** 1446802M91, 1903141M91, 3581576M01A, 3581576M3; **Perkins:** 26357R, 2873001, 2873101, 2873B053, 2873B056, 2873B071; **Yale:** 5142756-00, 5142856-00; **Pic Book:** 180-313, 180-313B, -313C, 182-184 (Iskra Replacement); **Lester:** 17649.

APPLICATIONS Massey Ferguson Farm Tractors: MF-3055 4-224 Diesel, MF-3075 Perkins 4-224 Diesel 1994-1997, MF-3120 Perkins 6-365 Diesel 1990-1993, MF-3120T Perkins 6-365 Diesel 1994-1997, MF-3140 Perkins 6-365 Diesel 1990-1995, MF-3655 Perkins Diesel 1995-1998, MF-3660 Perkins 6-365 Diesel 1990-1995, MF-3670 Valmet 6-403 Diesel 1992-1994, MF-3680 Valmet 6-451 Diesel 1989-1992, MF-3690 Valmet 6-451 Diesel 1993-1997, MF-3890 Valmet 6-451 Diesel 1987-1992, MF-6170 Perkins 6-365 Diesel 1995-1998, MF-6180 Perkins 6-365 Diesel 1995-1998, MF-6190 Perkins 6-365 Diesel 1995-1998, MF-6270 / MF-6290 / MF-6290 Perkins 1006.6 Diesel 1999-2000, MF-8120 Perkins 6-365 Diesel 1995-1998, MF-8140 / MF-8150 Valmet 6-403 Diesel, MF-8160 Valmet 6-451 Diesel 1995-1998, MF-8210 / MF-8220 Perkins 1006.6 Diesel, MF-8240 Valmet 6-403 Diesel, MF-8250 Valmet 6-451 Diesel 1999-2000.

NOTE Lucas M50 / M127 Series DD Starter for Allis Chalmers and Massey Ferguson Tractors with Perkins / Valmet Engines.



LUCAS STARTERS FOR MASSEY FERGUSON TRACTORS

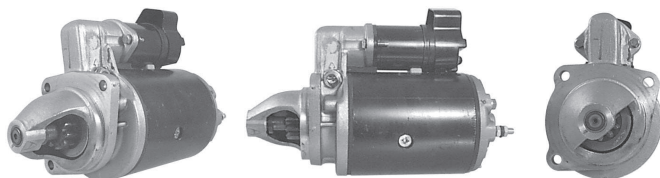


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S215	12	2.7	DD	10T	CW

REPLACE Lucas: Lucas: 26219, 26271A/E, 26271F/J, 26413, 27411, 27433, 27433A; **Lucas Reman.:** S4544; **Lucas Electrical:** LRS215; **Iskra:** IS0631, 11-130-631, AZJ3205; **Massey Ferguson:** 1680-065-M1; **Perkins:** 26413R, 2873142, 2873A014; **Pic Book:** 180-348, 180-348A, 180-354, 180-354A, 180-254B, 180-354C, 182-214 (Iskra Replacement); **Lester:** 17645.

APPLICATIONS Massey Ferguson Tractors: MF-260 3.3L 1977-1988, MF-265 1981-1988, MF-275 1975-1988, MF-285 1975-1979, MF-390T 1991-1997, MF-565 1982-1988, MF-575 1976-1988.

NOTE Lucas M45G / 2M113 Series DD Starter for Massey Ferguson Tractors with Perkins Engine. 4274 (OE10461028) is Delco 20MT Version.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S232	12	2.8	DD	10T	CW

REPLACE Lucas: 26274A/H, 26323, 26345, 27510, 27515A/E, 27539, 27539A/E, 27572, 27572B, 27578, 27599, NSB529, NSB540; **Lucas Reman.:** S5019; **Lucas Electrical:** LRS173, LRS232; **Lucas TVS:** 269 251 93A; **Iskra:** IS0509, 11-130-509, AZJ3144; **Marelli:** 632 275 94, 99, MSN541; **Massey Ferguson:** 144731R1, 168285M3, 1860093M2, 1868285M1, M2, M3, R3, 1868287T, 3516094M1, 3519400M1, 3539390M91, 3597372R2, 3763362M91, 3930506R1, 9099971R2, 963989M1; **Perkins:** 2873003, 2873004, 2873006R, 2873D002; **Pic Book:** 180-309, -310, -349, -349A, -349B, 180-349D, -349F, 182-328 (Iskra Replacement); **Lester:** 17072.

APPLICATIONS Massey Ferguson Farm Tractors: MF-165 Perkins AD4-203 Diesel, MF-168 Perkins 4-236 Diesel 1971-1972, MF-175S 1970-1972, MF-178 Perkins 4-248 1970-1972, MF-185 1970-1972, MF-188 Perkins 4-248 1972-1974, MF-3610 / MF-3630 Perkins AT6-354 Diesel 1987-1990, MF-4225 / MF-4233 / MF-4235 / MF-4243 / MF-4245 / MF-4253 / MF-4255 / MF-6140 Perkins 1004.4 Diesel 1997-2000, MF-4260 / MF-4263 / MF-4270 Perkins 1006.6 Diesel 1997-2000, MF-6150 Perkins 4-244 Diesel 1995-1998.

NOTE Lucas M50 / M127 Series DD Starter for Massey Ferguson and IMT Tractors with Perkins Engine. D11E154 is Paris Rhone Version of this Unit.



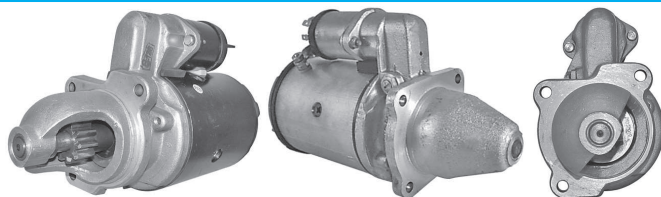
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S301	12	2.8	DD	10T	CW

REPLACE Lucas: 26273, 26344, 26365, 26411, 27522, 27540, 27546, 27571, 27584, 27591, 60925087; **Lucas Reman.:** S5032; **Lucas Electrical:** LRS301; **Iskra:** IS0632, IS1046, 11-130-632, 11-131-162, AZJ3206, AZJ3389; **Marelli:** 632 275 93, MSN540; **Massey Ferguson:** 1868283M2, 1893705T, 3597371R2, 3930507R1, 579487M91; **Perkins:** 2873008, 2873A106, 2873B052, 2873B061, 2873D004; **Pic Book:** 180-305, 180-305B, 182-216, 182-458 (Iskra Replacement); **Lester:** 17653.

APPLICATIONS Massey Ferguson Combines: MF-20 1969-1981, MF-20E 1982-On, Massey Ferguson Farm Tractors: MF-133 1966-1976, MF-135.5 1966-1979, MF-140 1971-On, MF-145 1966-1976, MF-148 1971-1979, MF-152 1977-1989, MF-155.3 1981-On, MF-158 1981-On, MF-165.3 1969-1976, MF-230 1973-On, MF-235 / MF-243.3 1977-On, MF-245 2.5L 1979-1988, MF-250.3 1977-On, MF-255.3 1973-1976, MF-35 / MF-350 / MF-360 1986-On, MF-550.3 1975-On, MF-560.3 1972-On, MF-560.6 1976-On.

NOTE Lucas M50 / M127 Series DD Starter for Massey Ferguson Tractors with Perkins Engine. 17653 is the Bosch Version of this Unit.

LUCAS STARTERS FOR MASSEY FERGUSON TRACTORS



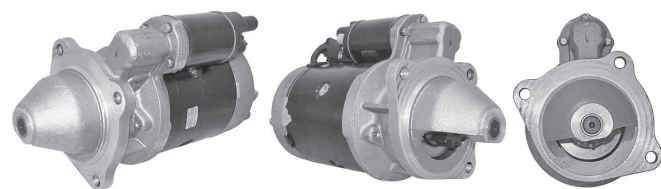
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S553	12	2.8	DD	10T	CW

REPLACE Lucas: 26398, 27533, 27533A, 27533B, 27533D, 27533F, 27601, 27601B; **Lucas Reman.:** S5028; **Lucas Electrical:** LRS553; **Iskra:** IS0896, 11-130-896, AZJ3318; **Marelli:** 632 275 33, 632 276 01, MSN192; **Massey Ferguson:** 1618-050-M3, -M4, -R4, 1903-145-M91, 3637-269-R91; **Perkins:** 27533R; **Pic Book:** 180-359, 180-359A, 182-248 (Iskra Replacement); **Lester:** 16669.

APPLICATIONS Massey Ferguson Farm Tractors: MF-2620 / MF-2640 / MF-2645 Perkins A6.354.4 1979-On, MF-2645 Perkins 4-318 Diesel 1978-1980, MF-2675 / MF-2705 Perkins A6-354 Diesel 1978-1984, MF-2680 / MF-2685 / MF-2720 Perkins AT6.354.4 1991-On, MF-2725 Perkins AT6.354.4 1983-On, MF-2810 / MF-2830 Perkins AT6-354 Diesel 1982, MF-3080 Perkins A6-354.4 1986-On, MF-3090 Perkins AT6-354 1987-1993, MF-3505 / MF-3525 / MF-3545 Perkins 6-354 1984-1988, MF-3610 Perkins A6-354.4 Diesel 1986-On, MF-3630 / MF-3650 Perkins AT6-354 Diesel 1987-1990.

NOTE Lucas M50 / M127 Series DD Starter for Ford / Sperry New Holland and Massey Ferguson Tractors.

LUCAS TVS STARTERS FOR MAHINDRA TRACTORS

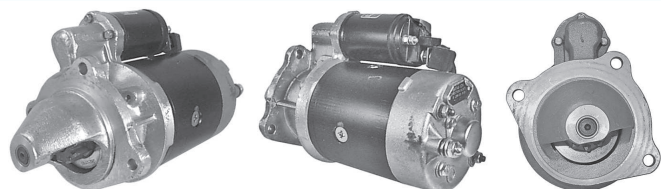


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S25115	12	2.2	DD	10T	CW

REPLACE Lucas-TVS: 260 24 070A, 260 25 115A; **Mahindra:** 00-55-808-4-R91; **International:** 123344R91; **Pic Book:** 180-375; **Lester:** 18944.

APPLICATIONS MAHINDRA Tractors with Perkins F10L413F Engines.

NOTE Lucas 6M14 Series DD Starter for Mahindra Tractors. Made in India.



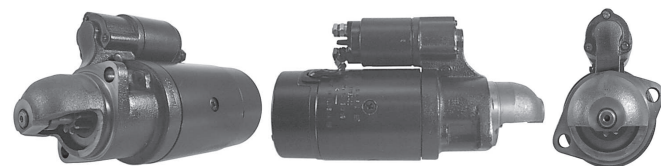
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S25131	12	2.2	DD	10T	CW

REPLACE Lucas-TVS: 260 25 131B; **Mahindra:** 26M251; **International:** 1233544R91; **Pic Book:** 180-372; **Lester:** 18918.

APPLICATIONS MAHINDRA Tractors with Perkins F10L413F Engines.

NOTE Lucas 6M14 Series DD Starter for Mahindra Tractors. Made in India.

ISKRA STARTERS FOR MUZZI TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S0402	12	3.0	DD	10T	CW

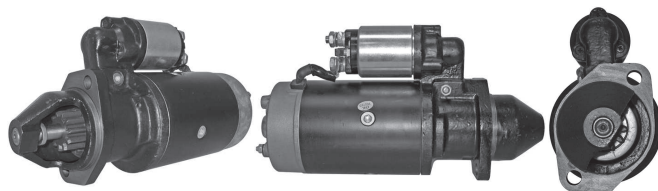
REPLACE Iskra: IS0402, 11-130-251, -402, AZJ3555, AZJ3109; **Goldoni:** 3-553-2032F; **Pic Book:** 182-152, 120-6108, 120-6108A (Bosch Version); **Lester:** 19920.

APPLICATIONS MUZZI Tractors with VM Engines: MD60 VM1056 5.7L 1980-1981, MD60 VM-SUN6105 6.0L 1984-1988, MDS VM6105 6.0L 1989-On.

NOTE Iskra Replacement for Bosch DD Starter. Used on Agrifur, Goldoni and Muzzi Tractors with VM Engines.



BOSCH STARTERS FOR SAME TRACTORS

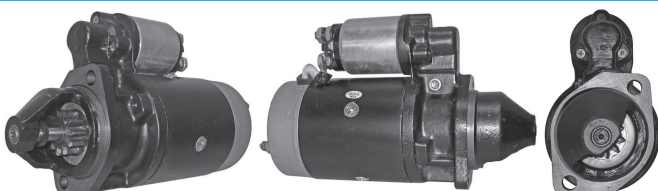


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17113	12	3.0	DD	11T	CW

REPLACE Bosch: 0-001-358-020, 0-001-358-051, 0-001-359-004, 0-001-359-108, 0-001-367-013; **Iskra:** IS0210, 11-130-201, AZJ3537; **Lucas Electrical:** LRS932, LRS2242; **Lucas Reman.:** S0932; **Same:** 296191400, 296191800; **Steyr:** 4080090008, 4080090010; **Pic Book:** 120-505, 120-505A, 182-138 (Iskra); **Lester:** 17113.

APPLICATIONS SAME Tractors: Buffalo 130 1056P Engine 1978-1979, Centauro 60 954V Engine 1966-1968, Drago 120 1056P Engine 1978-1979, Jaguar 95 Same 5-316 Diesel 1979, Minitauro 60 1053L Engine 1974-1979, Panther 90 985P Engine 1978-1979, Panther 95 Same 5-316 Diesel 1979, Saturno Synchro 80 Same 4-253 Diesel 1979, Taurus 60 Same 3-190 Diesel 1979, Tiger 100 Same 5-316 Diesel 1978-1979, Tiger Six 105 Same 6-331 Diesel 1977-1979.

NOTE Bosch DD Starter for AGCO Allis Tractors, Deutz Tractors, Same Tractors and White Farm Tractors.

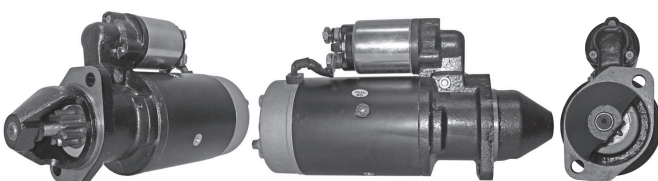


PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17114	12	2.4	DD	11T	CW

REPLACE Bosch: 0-001-362-009, 0-001-362-022, 0-001-362-035; **Iskra:** IS0521, 11-130-521, 11-130-523, AZJ3149, AZJ3556; **Lucas Electrical:** LRS933; **International:** 1530359C1; **Same:** 296190300, 296190800; **Steyr:** 20700090002, 4080090007; **Pic Book:** 120-556, 182-178 (Iskra Replacement) **Lester:** 17114.

APPLICATIONS SAME Tractors: Aurora 45 983L Engine 1973-1981, Centauro 60 954V Engine 1969-1972, Condor 55 100-3P Engine 1979-1988, Corsaro 70 984 Engine 1976-1978, Corsaro Synchro 70 984P Engine 1978-1981, Delfino 35 982 Engine, Delfino 35 982L Engine 1972, Drago 120 1056P Engine 1980-1986, Explorer 55 916-3A Engine 1983-1986, Explorer 60 1000-3A Engine 1986, Falcon 983 Engine 1974-1975, Falcon 983L Engine 1976-1988, Frutteto 60 1000-3A Engine 1987, Jaguar 95 Same 5-316 Diesel 1979-1984, Leopard 85 Same 4-253 Diesel 1980-1986, Minitauro 60 1053L Engine 1974-1981, Minitaurus 60 Same 3-190 Diesel 1980-1988, Panther 95 Same 5-316 Diesel 1979-1984, Ranger 45 983L Engine 1982, Saturno 80 Same 4-253 Diesel 1975-1978, Saturno Synchro 80 Same 4-253 Diesel 1979-1983, Sirenetta 982 Engine 1972-1975, Sirenetta 982L Engine 1972-1982, Solar 50 Same 3-165 Diesel 1986-1991, Taurus 60 Same 3-190 Diesel 1979-1985, Vigneron 35 982L Engine 1978-1990, Vigneron 45 983L Engine 1978-1982.

NOTE Bosch DD Starter for AGCO Allis Tractors, Same Engines and Tractors.



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S17136	12	3.0	DD	9T	CW

REPLACE Bosch: 0-001-359-038, 0-001-359-083, 0-001-359-113, 0-001-367-005; **Iskra:** IS0254, 11-130-254, 11-130-898, AZJ3320, AZJ3557; **Lucas Electrical:** LRS1053; **International:** 1530289C1; **Same:** 296192300, 296192900; **Steyr:** 61100090002; **Pic Book:** 120-568, 120-568A, 120-568B, 182-146 (Iskra); **Lester:** 17136.

APPLICATIONS SAME Crawlers: Explorer 70C 1000-4A Engine, Explorer 70C 916-4TA Engine 1987, Explorer 75C 916-4A Engine 1984-1987, 80C 1000-4A Engine 1987, Explorer 90 Special 1000-4AT Engine, Explorer 90C 1000-4AT Engine 1986, Solar 60C 105-3P Engine 1987; Tractors: Antares 100 1000-4AT Engine 1989, Buffalo 130 1056P Engine 1980-1982, Explorer 70 1000-4A Engine, Explorer 80 1000-4A Engine, Frutteto 75 1000-4A Engine 1987, Frutteto II 60 Same 3-183 Diesel 1991-1997, Laser 110 100-6P Engine, Laser 130 105-5P Engine, Laser 150 105-6PS Engine 1988, Laser 90 105-4P Engine 1988-1989, Tiger Six 105 Same 6-331 Diesel 1981-1987, Trident 130 1056P Engine 1981-1984, Vigneron 75 Same 4-244 Diesel 1994-1997.

NOTE Bosch DD Starter for AGCO Allis Tractors, Case Tractors and Same Crawlers / Tractors.

DELCO STARTERS FOR SAMSUNG EXCAVATORS



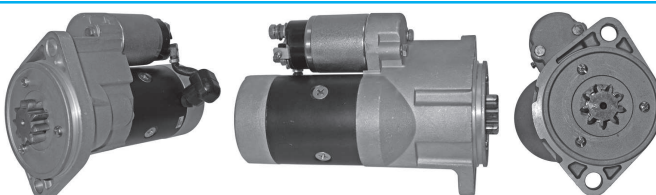
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S6574N	24	4.0	OSGR	10T	CW

REPLACE Delco: 323-911, 10461283, 10461468, 10479622, 1113277, 1113291; **Iskra**: IS1140, 11-131-359, AZF4594; **Cummins**: 3675204RX, 3909914, 3918377, 3926932; **Pic Book**: 140-917, 182-575 (Iskra Replacement); **Lester**: 6574.

APPLICATIONS SAMSUNG Industrial Excavators: SE130 with Cummins 3.9L Diesel 1992-1998.

NOTE Delco 28MT Series Dry Clutch Starter for Consolidated Diesel, Cummins 5.9L Diesel, Samsung Excavator and Timberjack. Similar to the 6592 (OE 10461465), Except This is a Dry Clutch and Uses a 3-Terminal Solenoid, Rather Than a 4-Terminal.

HITACHI STARTERS FOR SAMSUNG EXCAVATORS



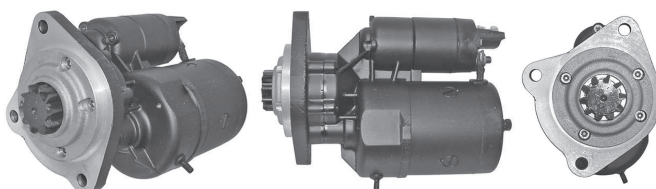
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S18491N	12	2.2	OSGR	9T	CW

REPLACE Hitachi: S13-204; **Lucas Electrical**: LRS1565; **Yanmar**: 129900-77010; **Pic Book**: 140-391; **Lester**: 18491.

APPLICATIONS SAMSUNG Industrial Excavators: SE50-3 with Yanmar 4TNE94 Diesel 1992-1998.

NOTE Hitachi OSGR Starter for Samsung Excavator SE50-3 with Yanmar 4TNA94 Diesel Engine 1992-1998.

MAGNETON STARTER FOR URSUS TRACTORS



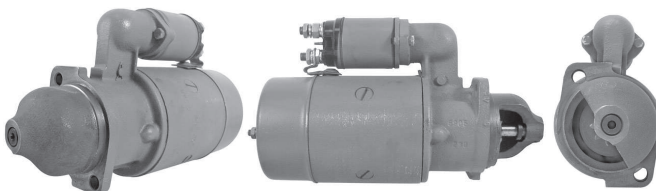
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S2743	12	3.0	OSGR	10T	CW

REPLACE Magneton: 443-115-142-743, 9-142-743; **Elmot**: R11-04, R11G, 806-004-000-0, 863-000-1; **Ursus**: 7017-954-M1; **Pic Book**: 105-205.

APPLICATIONS URSUS Farm Tractors: 1042 / 1044 4390 3.8L 68HP, 4502 / 4504 / 4512 / 4514 4390 3.8L 44.1HP, 4822 / 4824 / 5312 / 5314 4390 3.8L 44.1HP, 5322 / 5324 / 5712 / 5714 4410 4.0L 59.1HP, 6012, 6014, 6612, 6614.

NOTE Magneton OSGR Type Starter for Ursus Farm Tractors.

MAGNETON STARTER FOR VAMO / WISCONSIN TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S4724	12	2.9	DD	11T	CW

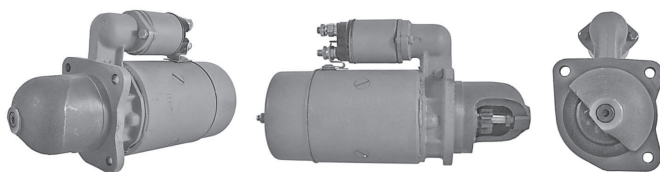
REPLACE Magneton: 443-115-144-724, 9-144-724; **Pic Book**: 105-206.

APPLICATIONS VAMO / WISCONSIN Farm Tractors: MTB-150 4S90A, MTB-150 4S90A3, TU 826S, TV824 2S95A3, TV824 2S90A.

NOTE Magneton DD Type Starter for Vamo / Wisconsin Farm Tractors.



MAGNETON STARTER FOR VALMET TRACTORS



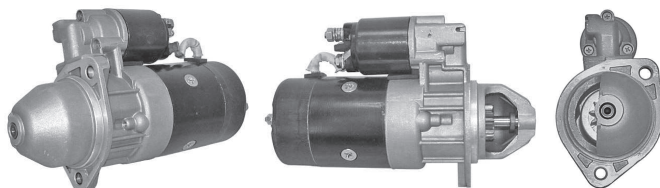
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S4722	12	2.9	DD	11T	CW

REPLACE Magneton: 443-115-144-722, 443-115-145-020, 9-144-722; **Iskra:** IS0179, 11-130-179, 11-130-376, 11-130-414, AZJ3119, AZJ3525, AZJ3599; **Lucas Electrical:** LRS1088; **Zetor:** 69-185-771, 78-350-922, 78-350-925, 976111, 976116, 976117; **Pic Book:** 105-209, 182-135 (Iskra Replacement); **Lester:** 18480.

APPLICATIONS VALMET Farm Tractors: 1100, 1102 411BS, 1112, 1203 411CX, 305 TD27DS3, 404 TD27DS4, 455 TD33DS4, 500 310B, 502 310B 1969-1975, 504 D27B, 505 TD33DS5, 542 310B 1969-1975, 6000 1990-On, 602 D311C/TD311CS, 604 D33C/TD33C, 605 TD33DS6, 655 D44D7, 6600 1990-On, 700 1971-1972, 702S 411B/411BS, 703 411C, 705 TD44DS7, 712 1971-1972, 755 TD, 802 411CS, 803 411CS, 805 TD44DS8, 855 TD44DS6, 900 1969, 903 411CS9, 905 / 912 D66D9.

NOTE Magneton DD Starter for John Deere, Valmet and Zetor Tractors. Will Replace Bosch 0-001-367-032 / -067 Units.

BOSCH STARTER FOR VERMEER TRENCHER



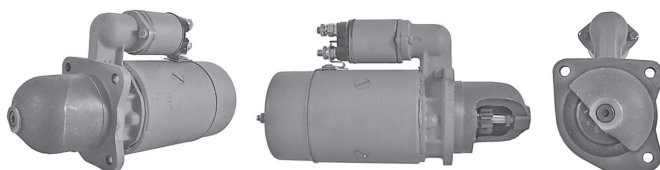
PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S8172	12	2.2	PLGR	11T	CW

REPLACE Bosch: 0-001-218-172; **Bosch Reman.:** SR0803X; **Iskra:** IS1072, 11-131-109, 11-131-951, AZE4202, AZE4535; **Lucas Electrical:** LRS1422; **Gehl:** 132299, 133557; **KHD:** 118-0180; **Volkswagen:** 069-911-023F; **Pic Book:** 120-149, 182-468 (Iskra Replacement) **Lester:** 18230.

APPLICATIONS VERMEER Trencher 3550 with Deutz Diesel.

NOTE Bosch PLGR Starter for KHD / Deutz Applications, Vermeer Trencher. S23002 is 2.3 kw Version of this Unit. S17318 is Larger Bosch Version, S2726 (443-115-142-726) is OSGR Magneton Replacement, S1072 (IS1072) is Iskra Replacement.

MAGNETON STARTER FOR ZETOR TRACTORS



PART NUMBER	V	KW	TYPE	TEETH	ROTATION
S4722	12	2.9	DD	11T	CW

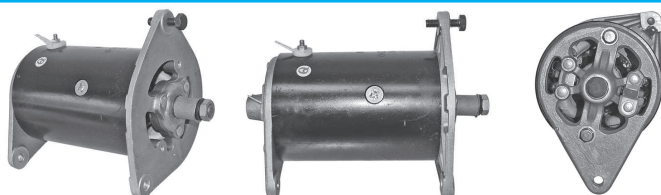
REPLACE Magneton: 443-115-144-722, 443-115-145-020, 9-144-722; **Iskra:** IS0179, 11-130-179, 11-130-376, 11-130-414, AZJ3119, AZJ3525, AZJ3599; **Lucas Electrical:** LRS1088; **Zetor:** 69-185-771, 78-350-922, 78-350-925, 976111, 976116, 976117; **Pic Book:** 105-209, 182-135 (Iskra Replacement); **Lester:** 18480.

APPLICATIONS ZETOR Farm Tractors: 3320 5201 2.6L 1992, 3321 5201 2.6L 1997, 3340 5201 2.6L 1992, 33415201 2.6L 1997, 4320 6201 3.4L 1992, 4321 6202 3.9L 1997, 4340 6201 3.4L 1992, 4341 6202 3.9L 1997, 4712 / 4718 4701 2.5L 1974-1977, 4911 4901 2.6L 1978-1980, 5011 5001 2.6L 1980-1984, 5211 5201 2.6L 1984-1990, 5213, 5243, 5245, 5320, 5321, 5340, 5341, 6211, 6245, 6320 7701 3.9L 1992, 6321 7702 3.9L 1997, 6340, 6341, 7211, 7245, 7320, 7321, 7340, 7341, 7711, 7745 7701 3.9L 1986-1990.

NOTE Magneton DD Starter for John Deere, Valmet and Zetor Tractors. Will Replace Bosch 0-001-367-032 / -067 Units.



LUCAS GENERATORS FOR TRACTOR APPLICATIONS

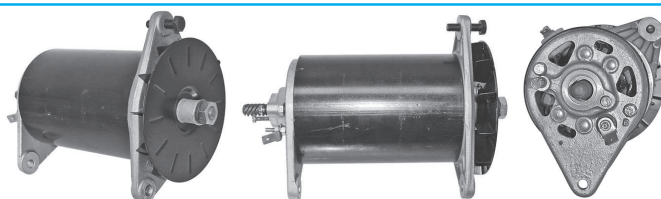


PART NUMBER	V	AMP.	REGULATOR	ROTATION
G15018	12	22	E/R	CW

REPLACE Lucas: 22259, 22703, 22718, 22733, 22780, 22788, 22791; **Lucas Reman.:** G4013; **Lucas Electrical:** LRD101; **Case:** A47454, K913986; **Ford:** 2701E-10002-B, -C, ADN-10001, E27N-10000-D; **IHC:** 304-9871-R91; **Lister-Petter:** 291-36961; **Massey Ferguson:** 1993-083-M91, 1993-085-M91, 817-104-R92, 892-447-M91, 897-104-M91, -M92, -R2; **Perkins:** 22763R, 2871170T, 2871175, 2871180, 2871182T; **Pic Book:** 380-11, 380-12; **Lester:** 15005, 15018.

APPLICATIONS Case Combines: 93 1958-1965; Case David Brown: 1200 / 1200 Selectmatic 4-219 Diesel 1967-1971, 1210 / 1210 Syncromesh 4-219 Diesel 1971-1975, 1212 4-219 Diesel 1971-1975, 3800 3-146 Gas 1968-1971, 4600 3-164 Gas 1968-1971, 770 3-146 Diesel 1965-1970, 775 1972-1976, 780 3-146 Diesel 1967-1971, 850 3-154 Diesel 1960-1965, 880 3-154 Diesel 1961-1971, 885 / 885G 3-154 Diesel 1971-1976, 885 / 885G 3-164 Diesel 1971-1976, 900 / 900D Gas or Diesel Engines 1956-1958, 950 / 950D Gas or Diesel Engines 1958-1962, 990 4-186 Diesel 1964-1976, 995 4-219 Diesel 1971-1976, 996 4-219 Diesel 1971-1976.

NOTE Lucas C40A Type Generator for Allis Chalmers, Case David Brown, Fordson, International Harvester, Perkins, Massey Ferguson Applications. B-Circuit.

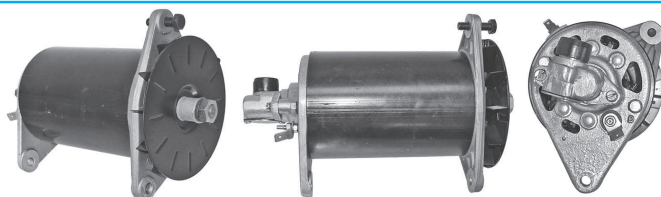


PART NUMBER	V	AMP.	REGULATOR	ROTATION
G15027	12	22	E/R	CW

REPLACE Lucas: 22756, 22756A, 22758, 22758A, 22758B, 22761, 22764, 22769, 22783, 22792; **Lucas Reman.:** G4018; **Lucas Electrical:** LRD103; **Ford:** C4NN-10002-A, C4NN-10002-B, C5NF-10000-E, C7NN-10000-A, C7NN-10000-C, C7NN-10000-D, C7NN-10000-PR; **New Holland:** 81816845; **Perkins:** 2871181, 2872284; **Pic Book:** 380-10; **Lester:** 15027.

APPLICATIONS CASE David Brown: 1200 / 1200 Selectmatic 4-219 Diesel 1967-1971, 770 3-146 Diesel 1965-1970, 780 3-146 Diesel 1967-1971, 850 3-154 Diesel 1960-1965, 880 3-154 Diesel 1961-1971, 990 4-186 Diesel 1964-1970; FORD / NEW HOLLAND Farm Tractors: 2000 3-158 Diesel 1965-1974, 2100 3cyl Gas or Diesel 1965-1974, 2110 3cyl Gas or Diesel 1965-1974, 2120 3cyl Gas or Diesel 1965-1974, 2300 3cyl Gas or Diesel 1965-1974, 2310 3cyl Gas or Diesel 1965-1974, 3000 3-158 Diesel 1965-1975, 3000 3-175 Diesel 1965-1968, 3100 3cyl Gas or Diesel 1965-1974, 3110 3cyl Gas or Diesel 1965-1974, 3120 3cyl Gas or Diesel 1965-1974, 3190 3cyl Gas or Diesel 1965-1974, 3300 3cyl Diesel 1965-1974, 3310 3cyl Diesel 1965-1974, 3330 3cyl Diesel 1965-1974, 3400 3cyl Diesel 1965-1975, 3500 3cyl Diesel 1975-1981, 3550 3cyl Gas or Diesel 1965-1974, 4000 3-192 Diesel 1965-1974, 4000 3-201 Diesel 1965-1974, 4100 3-183 Diesel 1965-1974, 4110 3-201 Diesel 1965-1974, 4140 3-201 Diesel 1965-1974, 4200 3-201 Diesel 1965-1974, 4330 3cyl Diesel 1965-1974, 4340 3cyl Diesel 1965-1974...

NOTE Lucas C40 Type Generator for Allis Chalmers, Case David Brown, Fordson, International Harvester, Perkins, Massey Ferguson Applications. B-Circuit.



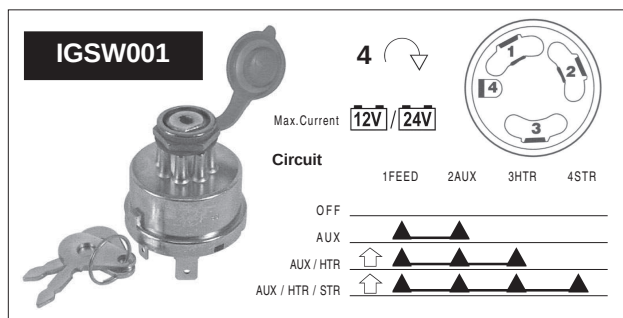
PART NUMBER	V	AMP.	REGULATOR	ROTATION
G15027T	12	22	E/R	CW

REPLACE Lucas: 22756, 22756A, 22758, 22758A, 22758B, 22761, 22764, 22769, 22783, 22792; **Lucas Reman.:** G4018; **Lucas Electrical:** LRD103; **Ford:** C4NN-10002-A, C4NN-10002-B, C5NF-10000-E, C7NN-10000-A, C7NN-10000-C, C7NN-10000-D, C7NN-10000-PR; **New Holland:** 81816845; **Perkins:** 2871181, 2872284; **Pic Book:** 380-10; **Lester:** 15027.

NOTE This is G15027 Unit Ventilated with Tach



LUCAS CAV IGNITION SWITCHES FOR TRACTOR APPLICATIONS



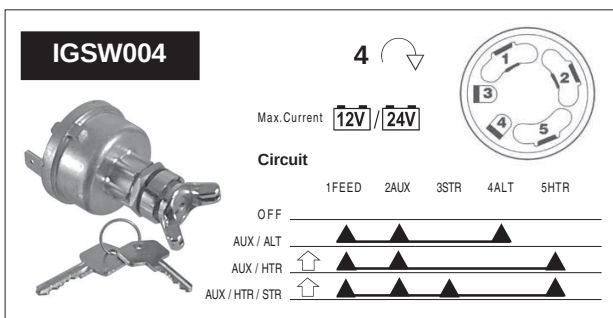
IGSW001

REPLACES: Lucas #'s: 34228, 33820, 35641; Case #'s: 3107 556 R2, K202 992; JCB #: 70707 500; Perkins #: 2846121;

Massey Ferguson #'s: 1865 976 M91, 1874 120 M91, 1874 120 M93.

APPLICATIONS: Case Tractors, Massey Ferguson Tractors, Lancer Boss Trucks, Perkins Engines.

DIMENSIONS: 16 mm Dia.

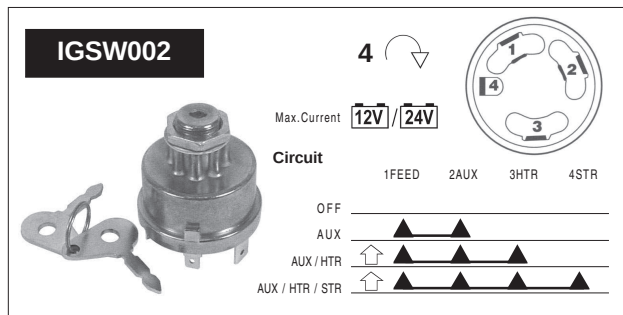


IGSW004 / 29401

REPLACES: Lucas #: 35288; Leyland #: PRC2734; Perkins #: 2846129.

APPLICATIONS: Ford Tractor, Land Rover, Massey Ferguson Tractors, Perkins Engine.

DIMENSIONS: 19 mm Dia.

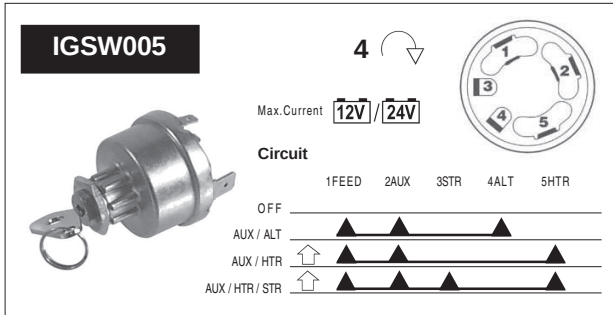


IGSW002

REPLACES: Lucas #'s: 34228, 33820, 35641; Case #'s: 3107 556 R2, K202 992; JCB #: 70707 500; Massey Ferguson #'s: 1865 976 M91, 1874 120 M91, 1874 120 M93.

APPLICATIONS: Case Tractors, Massey Ferguson Tractors, Lancer Boss Trucks, Perkins Engines.

DIMENSIONS: 19 mm Dia.

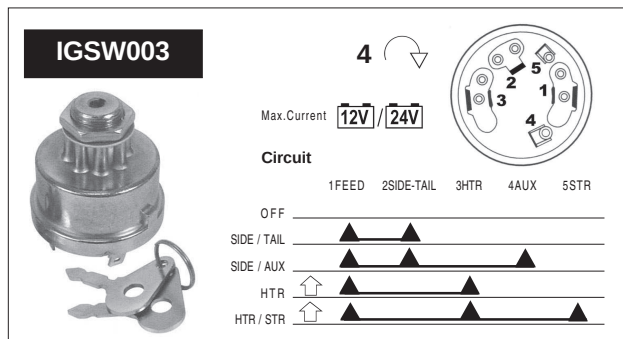


IGSW005 / 35327

REPLACES: Lucas #: 35327, 30634; Ford #'s: D3NN-11N572-A, C5NE-11N572-A, C5NN-11N572-AZ.

APPLICATIONS: Ford Tractors.

DIMENSIONS: 19 mm Dia.



IGSW003

REPLACES: Lucas #: 30810; Ford #'s: D5NN-11N501-A, E7NN-11N501-AA, E7NN-11N501-AB, E8NN-11N501-AB; New Holland #'s: 3976-890, 81871-583.

APPLICATIONS: Ford Tractors, Massey Ferguson Tractors.

DIMENSIONS: 19 mm Dia.