



2011

ABBREVIATIONS:

Assort.=Assortment, **ACR**=Anti-clockwise rotation, **AC**=Air Condition, **Amp.**=Ampere, **AT**=Automatic Transmission, **Cat**=Catalyzer, **CR**=Clockwise rotation, **Cyl.**=Cylinder **Eng.**=Engine, **D.**=Diameter, **Eur.**=European application, **FW**=Free-Wheeling, **GR**=Gear Reduction, **H.**=Height, **HD**=Heavy Duty construction, **HP**=Horsepower, **I.D.**=Inner Diameter, **K**=Test lamp, **kW.**=Kilowatt, **L.**=Length, **LHD**=Left Hand Drive, **L.L.**=Lead Lenght, **LRC**=Low responce control, **M**=Minimum supply, **O.D.**=Outer Diameter, **PS**=Power Steering, **RHD**=Right Hand Drive, **RPM**=Rounds per minute, **Th.**=Thickness, **V.**=Volt, **VP**=Vacuum Pump, **w/**=With, **w/o**=Without, **W.**=Width
()=Vehicle type, []=Engine type

Bo=Bosch, Bu=Butec, CA=Cav, Ch=Chrysler, DC=DC Motors, De=Denso, DR=Remy (delco), Du=Ducellier, Dy=Dynastarter, El=Elmot, Fe=Femsa, Fo=Ford, Hi=Hitachi, Is=Iskra, La=Lada, LN=Leece Neville, Lu=Lucas, Md=Mando Melroe, Mi=Mitsubishi, MI=Miscellaneous MM=Magneti Marelli, Mo=Motorola, Mo US=Motorola Usa, Ms=Mitsuba, Mt=Magneton, Nk=Nikko, Pl=Prestolite, PS=Poong Sung, Ro=Romanian, SE=SEV, Sf=Sawafuji, SJ=SJCE, Te=Tecumseh, Un=Universal, UT=United Technologies, Va=Valeo, Va Kor.=Valeo, Wapsa=Wa

TERMINAL CHART	Field / Rotor	Ground	Charging Lamp	Ignition	Point Central	Tacho	CPU Control	Battery Sense	Battery	Dummy
BOSCH	DF	D-	D+/61/L	15		W	DFM/FR	S	B+	
BUTEC	F	-	D+						B+	
DELCO	F	GRD	D+/L/1	I/IG		P/R/W		M/S/2	B+	
DUCELLIER	EXC	-/B-	D+			W			B+	
ELMOT	67	31	15			W			B+	
FORD/VISTEON	DF/F/FLD	D-/I-VE	D+/IND/I			W/STA/S			B+/Bat	
HITACHI	F	E	L	IG/R	N	P	FR/G	S	B/A	D
ISKRA	DF	D-	D+			W			B+	
LADA	67	31	15						B+/30	
LUCAS	F	-	D+			STA		S	B+	
MAGNETON	M	-	R						B+	
MANDO MELROE	F	E	L/I	IG/R	N	P		S	B/A	D
MAGNETI MARELLI	67	31	15		C	W	FR/SIG		B+/30	
MITSUBISHI	F	E	L	IG/R	N	P	FR/G/D	S	B/A	D
MOTOROLA	EXC	-/B-	D+			W			B+	
NIPPONDENSO	F	E-	L	IG/R	N	P	FR/C/M	S	B/A	D
PARIS RHONE	EXC	-/B-	L			W			B+	
SEV	DF	-/B-	61+			W			B+	
VALEO	EXC	-	L/D+	+		W			B+	

		
EL404	EL405	EL414
Replacing: 1006209162;-424;-431;2006209162;9001042021;9001082362;-669;1.01.0065.0;1.01.0323.0	Replacing: 1006209400;-3;5;-11;-12;-17;2006209163,1.01.0068.0;1.01.0307.0	Replacing: 2006209471;-500;16.900.920;1.01.0228.0
Servicing: 0001204102;-3;-8403;-8411;-8412;-8414;-8415;-8416;-8417;-8418;-8419;-11223;-11224;-112	Servicing: 0001208053;-4;-5;-254;-255;-11025;-11204;-11205;-11209;-11210;-11213;-11214;-11216;-11	
O.D 25.80 I.D.11.00 L63.00	O.P 25.80,I.D 12.00,L63.50,	O.D 25.80,I.D.12.00,L.71.50
No of teeth 9,splines 10,Rotation ASR, Drive type:Steel	No of teeth 9,splines 10,Rotation CR, Drive type:Steel	No of teeth 9,Splines 10,Rotation CR, Drive type:Steel
		
EL465	EL065	EL102
Replacing: 3471490;-912;BK2000;-3;1.01.0243;1203165	Replacing: 2006209492;-530;1.010367.0;131105;2008209008	Replacing: 1006209500;1.01.0420.0;3172
Servicing: 3471141;-3;-4;-50;-52;-53;-54;-55;-62;-63;-64;-65;-68;-69;-70;-71;-72;-73;-74;-7	Servicing: 0001362051;-63;-96;-97;-300;-306;-315;-3116;-4301;-6018;-6021;-7001;-7004;-7005;	Servicing: 0001317007;-8;-13;-22;-25;B001329009;-14;-45.
O.D 25.80 I.D.12.00 L.65.50	O.D 34.80 I.D.14.25 L.91.00	O.D 25.80 I.D.12.00 L.64.00
No of teeth 9,Splines 10,Rotation CR, Drive type:Steel	No of teeth 9,Splines 10,Rotation CR, Drive type:Steel	No of teeth 9,Splines 10,Rotation CR, Drive type:Steel
		
EL104	EL150	EL207
Replacing: 1006209503;-4;-6;-9;-13;-26;-28-30;-31;-36;-48;-63;-70;-72;-73;-82;-97;-619;-684	Replacing: 1006209502,1.01.0428.0,3166	Replacing: 2006209431;1.01.0460.0
Servicing: 0001108001;-2;-3;-9;-10;-11;-12;-16;-17;-18;-19;-22;-23;-24;-26;-27;-28;-29;-30	Servicing: 0001317011;-2;-6;-7;B001329013;-29	Servicing: 0001362081;-602;-603;-606;-607;B001812323;-4;-49;-422;-426
O.D 25.80 I.D.12.00 L.59.00	O.D 25.80 I.D.12.00 L.85.00	O.D 27.20 I.D.14.20 L.74.00
No of teeth 9,Splines 10,Rotation CR, Drive type:Steel	No of teeth 9,Splines 10,Rotation ACR, Drive type:Steel	No of teeth 10,Splines 10,Rotation CR, Drive type:Steel

Abbreviations, see first pages

All measurements are in mm. unless else stated.

O.E.M. names and numbers are used for reference purposes only

		
EL344	EL432	EL433
Replacing: 2006209466;1.01.0528.0	Replacing: 1006209501;1.01.0406.0;1006209517;3165	Replacing: 1006209510;-6;-37;-45;-66;905;1.01.0520.0;1006209568
Servicing: 0001362307;B001812330	Servicing: 0001317009;-10;-14;-15;-18;-19;-20;-21;B001329010	Servicing: 0001107014;-6;-27;-28;-29;-41;-8004;-8020;-8033;-8037;-8039;-8040;-8057;-8071;-8082
O.D 46.30,I.D 14.40,L.74.00	O.D 25.80,I.D 10.90,L.64.00	O.D 26.80,I.D 12.00,L.58.50
No of teeth 12,Splines 10,Rotation CR, Drive type:Steel	No of teeth 9,Splines 10,Rotation ACR, Drive type:Steel	No of teeth 10,Splines 10,Rotation CR, Drive type:Steel
		
EL434	EL995	EL997
Replacing: 1006209560;-9;-908;1.010962.0,136476	Replacing: 1006209523;9003336291;1.01.0572.0;138256	Replacing: 9002336207;9003336201;-84;1.01.0632.0
Servicing: 0001110019;-434-44;-51;-64;-65;-88;-104;-105;B001117070;-96;174;-175;-184	Servicing: 0001218006;-16;-21;-29;-108;-109;-110;-150;-156;-160;-710;-9001;-9007;-9009;-9013;-9	Servicing: 0001218006;-16;-21;-29;-108;-109;-110;-150;-156;-160;-710;-9001;-9007;-9009;-9013;-9
O.D 27.00 I.D.12.00 L.59.00	O.D 27.50 I.D.12.00 L.64.50	O.D 27.50 I.D.11.65 L.62.00
No of teeth 10,Splines 10,Rotation CR, Drive type:Steel	No of teeth 10,Splines 10,Rotation CR, Drive type:Steel	No of teeth 10,Splines 10,Rotation CR, Drive type:Steel
		
EL998	EL005	EL079
Replacing: 9001140317;1.01.0631.0;9003336293;9939194.	Replacing: e7gz11350a,f4bz11350a;s de332;-49;b191e22071;-371;-771;-971;m191t23071;-471;md607894;23312	Replacing: 1006209524;6033ad0044;9003336280;1.01.0573.0;9002336209;233861
Servicing: 0001218001;-4;-5;-8;-10;-12;-13;-17;-18;-25;-100;-107;-111;-112;-113;-114;-115;-12	Servicing: 23300-01E13;-41B71;-60S10;-73Y10;-T5072;-W0417;M2T13381;-30381;-30385;-30581;-30385;-30581;-30585;-305	Servicing: 0001218009;-11;-26;-27;-28;-122;-134;-135;-136;-153;-177;-722;-735;-736;-777;B001233
O.D 25.80 I.D.12.00 L.62.00	O.D 28.00 I.D.12.00 L.56.00	O.D 29.60 I.D.12.00 L.62.50
No of teeth 9,Splines 10,Rotation CR, Drive type:Steel	No of teeth 8,Splines 8,Rotation CR, Drive type:Steel	No of teeth 8,Splines 8,Rotation CR, Drive type:Steel

Abbreviations, see first pages

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EL168	EL169	EL216
Replacing: 1006209522;1.01.0619.0	Replacing: 1006209532;1.01.0613.0	Replacing: 1006209543;-4;-76;-96;-703;-710;-918;-919;-921;1.01.0579.0;132 390
Servicing: 0001110001;-14	Servicing: 00011100009;-10;B001117030	Servicing: 0001108094;-5;-127;-10001;-10002;-10014;-10015;-10076;-10077;-10098;-10099;-10133;-1013.
O.D 25.80 I.D.11.00 L.58.50	O.D 25.80 I.D.11.90 L.80.00	O.D 25.80 I.D.12.00 L.58.50
No of teeth 9,Splines 10,Rotation ACR, Drive type:Steel	No of teeth 9,Splines 10,Rotation ACR, Drive type:Steel	No of teeth 9,Splines 10,Rotation ACR, Drive type:Steel
		
EL716	EL854	EL481
Replacing: 1006209584;-600;-686;1.01.0745.0;9001081033;1887	Replacing: 1006209648;-99;1.01.0937.0;1006209621	Replacing: 1006209618; -77; 1.01.0925.0; 1006209672
Servicing: 100001106012;-7;-22;-23;-24;-7009;-7012;-7013;-7015;-7017;-7018;-7019;-7025;-7026;-70	Servicing: 0001124001;-2;-5;-6;-5001;-5002;-5007;-5008;-5011;-5012;-5013;-5021;-5022;-5031;-5032	Servicing: 0001107037; -48; -54; -55; -67; -68; -69; -72; -73; -74; -76; -94; -95; -96; -105; -106; -8162; -81
O.D 25.80 I.D 53.50,9	O.D 28.00 I.D.13.50 L.80.00	O.D. 25.80, I.D. 12.00, L. 50.40
	No of teeth 10,Splines 16,Rotation ACR, Drive type:Steel	No. of teeth 9, Splines 10, rotation CR, Drive type Steel
		
EL371	EL086	EL116
Replacing: 1006209295;-552;-591;-594;-911;-912;2006209594;1.01.0639.0;1.01.0900.0;133438	Replacing: 1006209579; -917; 1.01.0729.0	Replacing: 9002336204; 1.01.0851.0
Servicing: 0001110031;-2;-61;-62;-69;-70;-84;-85;-86;-87;-118;-119;9000081001;B001117068;-71;-1	Servicing: 0001107003; -4; -22; -23; B001110041; -100	Servicing: 0001218116; -7; -716;B001233180
O.D 29.90 I.D.12.00 L.79.50	O.D. 27.94, I.D. 12.00, L. 77.00	O.D. 27.50, I.D. 11.85, L. 86.00,
No of teeth 10,Splines 10,Rotation ACR, Drive type:Steel	No. of teeth 10, Splines 10, rotation ACR, Drive type Steel	No. of teeth 10, Splines 10, rotation ACR,Drive type Steel

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EL888	EL341	
Replacing: 1006209634; -60; 1.01.0997.0	Replacing: 1.01.0907.0; 139341	
Servicing: 0001107062; -8157; -8169; -8190; -8196; -8230; -8231; -15040; -15041; -15045; -15046	Servicing: 97vb11000aa; -b; -BA	
O.D. 29.60, I.D. 11.80, L. 50.00	O.D. 46.60, I.D. 12.20, L. 47.00	
No. of teeth 9, Splines 10, rotation CR, Drive type Steel	No. of teeth 13, Splines 12, rotation CR, Drive type Steel	

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EBS003	EBS008	EBS009
Replacing: 1000301001; -46; 140002; -3	Replacing: 140008; 1000301021	Replacing: 1000301011; 140009
Servicing: 0001157001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -20; -21;	Servicing: 0001106001; -2; -4; -7007; -7008; -7020; -7021; -7052; -7053; -8005; -8013; -8032; -8045; -8046; -8	Servicing: 0001208205; -18004; -18005; -18012; -18013; -18017; -18018; -18025; -18107; -18111; -18112; -18113;
O.D. 16.56, I.D. 12.60, L. 11.50, Material Cooper	O.D. 13.60, I.D. 11.00, L. 13.80, Material Cooper	O.D. 16.12, I.D. 12.10, L. 16.00, Material Cooper
assort. 803012	assort. 803012	assort. 803012; 803020
		
EBS017	EBS018	EBS019
Replacing: 1000301012; 140017	Replacing: 2000301036; 9001082166; 140018	Replacing: 2000301043; -7; 15.120.095; 140019
Servicing: 0001107012; -3; -7; -8; -24; -34; -37; -45; -48; -54; -55; -60; -68; -69; -72; -73; -74; -90; -96;	Servicing: 0001106018; -20; -7003; -7004; -7005; -7006; -7009; -7014; -7015; -7016; -7022; -7023; -7025; -7026	Servicing: 0001330004; -7; -11; -62034; -62035; -62036; -62037; -62038; -62039; -62040; -62041; -62042; -62043
O.D. 16.00, I.D. 12.00, L. 13.85, Material Cooper	O.D. 14.11, I.D. 12.15, L. 13.60, Material Cooper	O.D. 18.03, I.D. 14.06, L. 14.00, Material Cooper
assort. 803012	assort. 803012	assort. 803012
		
EBS027	EBS030	EBS208
Replacing: 1000301022; -34; 140027	Replacing: 1000301009; -66; -82; -88; 2000301020; 140023; -30	Replacing: 1000301056; 2000301056
Servicing: 0001112010; -1; -7; -8; -4003; -4004; -4005; -4006; -4008; -4009; -4010; -4014; -4015; -4016; -4017	Servicing: 0001107003; -4; -5; -6; -7; -8; -10; -11; -16; -20; -21; -22; -23; -27; -29; -38; -39; -41; -43; -5	Servicing: 0001106001; -2; -4; -11; -12; -14; -15; -16; -17; -18; -19; -20; -22; -23; -24; -7003; -7004; -7005
O.D. 21.60, I.D. 17.60, L. 9.40, Material Cooper	O.D. 13.62, I.D. 12.13, L. 11.50, Material Cooper	O.D. 14.00, I.D. 10.08, L. 9.80, type Standard Matirial Cooper
assort. 803012	assort. 803012	assort. 803012

Abbreviations, see first pages

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EBS249	EBS250	EBS251
Replacing: 1000301054; -76; 140249		Replacing: 1000301055; -74
Servicing: F002G20757	Servicing: m1t74381	
O.D. 11.12, I.D. 8.10, L. 8.00 Material Copper	O.D. 11.00, I.D. 8.00, L. 10.00, type Standard, Material Copper	O.D. 22.11, I.D. 17.99, L. 7.90, type Standard, Material Copper
assort. 803012		assort. 803012
		
EBS252		
O.D. 22.1, I.D. 18.0, L. 6.0, Material Copper		
assort. 803012		

Abbreviations, see first pages

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ESG078 Replacing: 1005821312; 3466; 6766d;5005k Servicing: 0001107009; -15; -19; -34; -60;9000081004; F000AL0103 O.D. 69.20, I.D. 46.75, H. 28.80, No. of teeth 37 Bushing W 6.00 mm.	ESG123 Replacing: 1005821303; 1703; 5397d;5003k Servicing: 0001109003; -8; -11; -12; -10002;-10004; -10007; -10008; -10009; -10010;-10011; -10012; -10013; - O.D. 74.00, I.D. 52.50, H. 40.50, No. of teeth 42 assort. 803008	ESG466 Replacing: 1005821308; 3451; 5929d;5012k Servicing: 0001108003; -18; -42; -54; -63;-64; -65; -74; -78; -79; -80; -83; -87; -88; -89;-90; -101; -102 O.D. 69.50, I.D. 18.00, H. 28.20 assort. 803008
		
ESG467 Replacing: 1005821306; 3452; 5893d;5013k Servicing: 0001110016; -26; -28; -30; -31;-39; -41; -53; -54; -75 assort. 803008	ESG503 Replacing: 1005821307; -0; 1659; 5425d;5004k Servicing: 0001108050; -94; -95; -99; -127;-130; -133; -138; -203; -210; -11001 O.D. 69.67, I.D. 46.75, H. 37.90, No. of teeth 37 assort. 803008	ELA685 Replacing: 1004336025; -9; -55; 130687 Servicing: 0001208411; -2; -4; -5; -6; -7; -8;-9; -25; -26; -27; -28; -29; -11209; -11210;-11214; -11216; -1 Brush With, Brush gear 1, Spring terminal With Used on: VW Passat/Golf 1.6-2.0
		
ELA688 Replacing: 1004336033; -57; 1007010027 Servicing: 0001311056; -100; -107; -110;-111; -115; -118; -119; -121; -122; -125; -128;-129; -130; -131; -13 Brush With, Spring terminal With W/ neg. springs and brushes. Brush set:Cargo BSX1064.	ELB185 Replacing: 2004336031; -40; 11586 Servicing: 0001368001; -2; -4; -5; -6; -7; -9;-10; -12; -13; -14; -16; -17; -18; -19; -20; -21;-22; -24; -26 Brush With, Spring terminal With w/ neg. brushes. Brush set: Cargo BSX135-1454. Used on: MB	ELC090 Replacing: 2114-29007; 2114-39001; 2114-4311; 2114-49007; 2114-69008; 2114-79001;2114-89007; 23378-05e00; 2337 Servicing: 105891-77010; 114351-77020;119256-77010; 124976-77011; 129150-77010; 171008-77010; 23300-05P01; -1 V. 12, Brush With, Brush gear 1, Spring terminal With w/ neg. brushes. Brush set: Cargo 140339. Used on: Nissan
		
ELC306 Replacing: 2004336041 Servicing: 0001362034; -5; -6; -8; -9; -41;-46; -50; -51; -52; -58; -59; -72; -73; -76; -90;-91; -92; -95; - Brush With, Brush gear 1, Spring terminal With w/ neg. brushes. Brush set: Cargo BSX137-1434. Used on: Mercedes-Benz	ELC475 Replacing: m649i05071; -2; 133035 Servicing: 23300-09E10; 34466-03101;-200; -20102; -20201; M2T54271; -2; -371;-372; -471; -572; -671; -771; - V. 12, Brush With, Brush gear 1, Spring terminal With Brush set: Cargo 140387 Used on: Mitsubishi	ELC995 Servicing:LR155-25 Brush w/o,Brush gear 5 Spring terminal w/o Brush set: Cargo PSX1332

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ELD341 Replacing: m649t01271; -2; -3; m649t06871; m649t09371; -471; md611918; 36169-32510; 36170-32500; 36169-32510; 1 Servicing: 23300-20P11; -30F11; -30R13; -44R11; -48L10; -4E100; -4E210; -50Y11; -52F10; -53J12; -57M71; -65F10 V. 12, Brush With, Brush gear 1, Spring terminal With <i>Neg. brushes. Brush set: cargo 140559. Used on:</i> Mazda 626, Nissan, Hyundai	ELD342 Replacing: m649t01671; m649t06971 Servicing: 23300-60U11; M1T76082; M1T74081; M1T74081A; M1T74087; -181; M1T74181A; M1T74281; M1T74381A; M1T74481 V. 12, Brush With, Brush gear 1, Spring terminal With <i>Neg. brushes Brush set: Cargo 140560 Used on:</i> Mitsubishi	ELD646 Replacing: 181961; 594072; 136729 Servicing: d6ra10; -2; -6; -8; -20; -45; D6RA6; D6RA61; d6ra8 Brush w/o, Brush gear 1, Spring terminal w/o <i>Spring and brush set: Cargo PSX146-147K. Used on:</i> PSA, Renault
		
ELD647 Replacing: 183957; 186381; 594070; 136728 Servicing: D6RA10; -2; -6; -8; -20; -45; d6ra5; -6; d6ra61; D6RA8 Brush w/o, Brush gear 1, Spring terminal w/o <i>Spring & Brush set: Cargo PSX144-145K</i> Used on: PSA, Renault	ELD730 Replacing: 2130-13022; 2130-1306; 2130-2306; 2130-53021; -2; 2130-73021; -2; 2130-93021; 2130-9305; 2240-1310; Servicing: 119131-77010; 129137-7010; 129900-77030; 23300-0T610; -Y000; -Y005; -1S900; -2S000; -2T710; -3M005; V. 12, Brush With, Brush gear 1, Spring terminal With w/ neg. brushes. Brush set: Cargo 140567. Used on: Nissan	ELE103 Replacing: 1004336100; -1; -7; -8; -900 Servicing: 0001312108; -9; -7007; -7008; -7009; -7010; -7011; -7012; -7013; -7014; -7015; -7016; -7017; -7018; Brush With, Brush gear 1, Spring terminal With Used on: VW/Audi 1.6D, Opel 1.7D
		
ELE104 Replacing: 1004336102; -901 Servicing: 0001208702; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -17; -18; -19; 9000333106; -14; -17; Brush With, Brush gear 1, Spring terminal With Used on: VW/Audi 1.8, Opel Kadett 1.6-1.7D 82-92	ELE658 Replacing: 1004336125; -30; -32; -46; -62; -403; -733; -762; -806; -837; -850; -859; -902; -903; -907; -913; -9 Servicing: 0001108001; -2; -4; -7; -9; -10; -11; -12; -13; -16; -17; -18; -19; -20; -23; -24; -25; -26; -27; - Brush With, Brush gear 1, Spring terminal With assort. 803010 Used on: Audi 100/A6/A4 mot.1.9-2.3	ELE659 Replacing: 1004336139; -55; -56; -402; -446; -455; -459; -466; -550; -620; -732; -751; -800; -847; -884; -906; Servicing: 0001109011; -10001; -10002; -10009; -10010; -10014; -10015; -10018; -10031; -10032; -10033; -10047; Brush With, Brush gear 1, Spring terminal With assort. 803010 Used on: VW D/TD
		
ELE660 Replacing: 1004336807; -301; -401; -404; -405; -407; -413; -458; -460; -731; -734; -742; -764; -19; -45; -909; Servicing: 0001109009; -15; -21; -22; -34; -42; -46; -52; -55; -61; -62; -252; -256; -10004; -10005; -10007; - Brush With, Brush gear 1, Spring terminal With assort. 803010 Used on: VW/Audi 2.5TDI Peugeot 405/406 1.9	ELE661 Replacing: 9003334314 Servicing: 0001218003; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -18; -19; -20; -21; -22; -23 Brush With, Brush gear 1, Spring terminal With assort. 803010 Used on: VW/T4 2.4D 90-	ELE868 Replacing: 1004336915; -6; -63; f000a1055 Servicing: 0001112005; -6; -7; -8; -9; -12; -13; -14; -15; -16; -20; -21; -22; -23; -24; -27; -28; -29; -33; - Brush With, Brush gear 1, Spring terminal With Used on: Opel, Ford

		
ELF015 Replacing: 1004336810; -746; -21; -31;-937; -951; 138905; 1004336417 Servicing: 0001106014; -6; -7003; -7004;-7005; -7006; -7007; -7008; -7009; -7011;-7015; -7020; -7021; -7022; Brush With, Brush gear 1, Spring terminal With Used on: Audi 80/100/A6 mot 1.8/2.0i 91-	ELH121 Replacing: 2114-23106; 2114-53104; -5;2114-63104; 2114-73105; 23378-1e400;23378-om300; 137949 Servicing: 119233-77010; 129052-77010;129698-77010; 23300-08U00; -M302;-1P100; -20P05; -2J200; -2J201; -2J20 V. 12, Brush With, Brush gear 1, Spring terminal With Used on: Opel	ELH929 Replacing: m321x04471; -771;m321x05171; m321x06671; m321x07071 Servicing: 23300-0W010; -1M210; -1M215;-41B16; 50Y11; -50Y13; -50Y15; MOT60081;-181; MOT60181A; MOT60187; - V. 12, Brush With, Brush gear 1, Spring terminal With Brush set: Cargo 140921 Used on: Mitsubishi
		
ELI424 V. 12, Brush With, Brush gear 1, Spring terminal With Brush set: Cargo BS151. Anti CW rotation. Used on: VW LT/T4	ELI889 Replacing: 1004336846; -17; -4; -917; -928;F000AL1919 Servicing: 0001112003; -4; -10; -11; -38;-39; -3011;-3012; -4005; -4006; -4009;-4010; -33003; -33004; 90006 V. 12, Brush With, Brush gear 1, Spring terminal With Brush pos.: Cargo BS175. Brush neg.: Cargo BS176. Used on: VW	EMK741 Replacing: f7ru11434ba Servicing: 97bb11000bb; -c; 97vb11000aa;-b; 98ab11000ac; 98vb11000b1a; -3a;98VB11000BA V. 12, Brush With, Brush gear 1, Spring terminal With Brush set: Cargo 140955 Used on: Ford Mondeo,Transit
		
EA815 Replacing: 1004001033; 1004011030; -3;-7; -8; -48; -206; 137793 Servicing: 0001110003; -5; -17; -24; -25;-26; -33; -40; -42; -47; -55; -56; -59; -60; -73;-79; -80; -81; -82 V. 12, kW. 1.7, Core OD 58.90, Shaft L. 163.10, No. of teeth 18, rotation CR/ACR Commutator: Cargo B134602. In 9 Volt: Cargo 234594. Used on: Renault,FIAT,Mitsubishi	EA816 Replacing: 1004011020; -3; -4; -6; -32; -34;-51; -65; -70; -77; -85; -203 Servicing: 0001108001; -2; -3; -4; -5; -7; -9;-10; -11; -12; -13; -14; -16; -17; -18; -19; -20;-21; -22; -23 V. 12, kW. 1.1, Core OD 54.90, Shaft L. 138.30, No. of teeth 11, rotation CR/ACR Commutator: Cargo B134601. Used on: Audi / VW / BMW	

Abbreviations, see first pages

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IM847-MIT 12 Volt, A-Circuit, S-L Terminals, 14.4 Vset For: Mitsubishi IR/IF Alternators Used On: Mitsubishi 2.0D/TD 92- Replaces: Mitsubishi Motors MD618735, MD619167; Mitsubishi A866X25572 Dim: 35mm ID Slip Ring Cover	IP125-VP 12 Volt, A-Circuit, 14.6 Vset For: Paris Rhone / Valeo IR/EF Alternators Used On: Peugeot, Renault, Volvo Replaces: Peugeot: 576157, Valeo: 182046, 2590588, 300668, 300795	IP1652-VP 12 Volt, A-Circuit, 14.4 Vset For: Paris Rhone / Valeo, SEV / Valeo IR/EF Alternators Used On: Jeep, Renault, Volvo, Peugeot Replaces: Renault: 7701028400, 7701029095; Valeo 182046, 2590588, 300668, 300795; Peugeot: 576157 Note: Later style version of IP122. Components: 38–9402 Brush
		
IX106 12 Volt, A-Circuit, 14.2 Vset For: Marelli IR/EF Alternators Used On: (1980–75) Fiat Ducato 2,5D/TD, Brava, Strada, Lancia, Alfa Diesel Replaces: Fiat 4475112, 4721593; Marelli 64808106, 64808140, 64808143, RTT114A Note: Terminal ID: Red D+, Green DF, Case D–	IX110 12 Volt, A-Circuit, 14.4 Vset For: Marelli IR/EF Alternators Used On: Fiat Group Replaces: Fiat 9939826, 9941193; Marelli 58120022, 79707161, 79707481, 83600151, RTT119AC	IY028-MN 12 Volt, A-Circuit, S-L Terminals, 14.5 Vset For: Mando 90A IR/IF Alternators Used On: (2003–00) Hyundai Accent 97-98/1.5l, Elantra w/1.8, 2.0 99-00, Tiburon 97-00 Replaces: Hyundai 37370–22600, Mando TA500C09001 Features: Trio Activated
		
M507-VM 12 Volt, A-Circuit, 14.5 Vset For: Motorola / Valeo 9AR Series Alternators Used On: VW, Audi, Seat Replaces: Motorola / Valeo 9RC2021; Valeo 2523190, 2521760, 2521766, 2522339, 2522939, 2940328, 2941121; VW–Audi 037-903-803 Note: 14.5 Vset. For 14.1 Vset version use M506. For 15.0 Vset version use M508.	M511-VM 12 Volt, A-Circuit, 14.5 Vset For: Motorola / Valeo 9AR Series Alternators Used On: VW, Audi, BMW, Mercedes-Benz, Peugeot, Citroen Replaces: Motorola / Valeo 9RC2021; Valeo 2523190, 2521760, 2521766, 2522339, 2522939, 2940328, 2941121; VW–Audi 037-903-803 Note: 14.5 Vset. For 14.1 Vset version use M506. For 15.0 Vset version use M508.	

Abbreviations, see first pages

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D101-DL	D403-DL	DE605-DL
12 Volt, A-Circuit, 5-Amp Field, 14.8 Vset For: Delco 10SI, 12SI, 15SI, 17SI; 27SI/Type 100, 205 Series IR/EF Alternators Used On: Chevrolet, GMC, Jeep, Opel Ascona/Kadett/Omega 1.6-2.0-91 Replaces: Delco 1116387, 1116392, 1116423, D680 Note: For heavy duty version use D101HD Features: Low Vsat, fast switching	24 Volt, A-Circuit, L-Terminal, 27.7 Vset For: Delco Korea / Daewoo IR/EF Alternators Used On: Daewoo Espero, GM Replaces: Daewoo 273110	12 Volt, A-Circuit, 14.75 Vset For: Delco European Alternators Used On: Opel, Vauxhall Replaces: Delco 3493029, 3493030, 3493079, 3493080; Opel 1204257, 1204258, 1204263, 1204264
		
DE701-DL	F785-F	IB220-BO
12 Volt, A-Circuit, 14.7 Vset For: Delco European CS130D Series IR/IF Alternators Used On: Opel Corsa, Omega, Vectra, Astra, Frontera, Tigra, GM Replaces: Delco 10475019, 19009701; Opel 1204270	12 Volt, A-Circuit, I-S-A Terminals, 14.6 Vset, wo/ LRC, Black Used On: Ford Mondeo 1.8D/TD 93- For: Ford 3G Series IR/IF Alternators Replaces: Ford F3AU-10316-AA, F3AZ-10316-A, F3RU-10316-AA, GR-811 Note: Similar to F786 except: F785 wo/ LRC F786 w/ LRC Features: Low Vsat, fast switching	12 Volt, A-Circuit, 14.4 Vset, w/ LRC For: Bosch IR/IF Alternators Used On: Fiat, ALFA 147 /156, LANCIA LYBRA Replaces: Bosch F-00M-145-220 Dim: M5 x 0.8 D+ Terminal Features: Soft start

Abbreviations, see first pages

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IB225-BO 12 Volt, A-Circuit, L-FR Terminals, 14.5 Vset, w/ LRC For: Bosch IR/IF Alternators Used On: Audi A3/A4/A6, Mercedes C-classe, Porsche, VW, Skoda 97- Replaces: Bosch F-00M-145-200, -209, -225, -350; VW-Audi 038-903-803, -803E, -803EX Dim: 14mm Dia. Slip Ring Note: Active lamp function – with output Features: Soft start, LRC Temperature compensation	IB352-BO 12 Volt, A-Circuit, 14.1 Vset For: Bosch IR/EF Alternators Used On: (1995–72) Audi, BMW, Chrysler, Dodge, Ford, Porsche, VW, FIAT Group, Volvo Replaces: BMW 12-31-1-271-664, 12-31-1-726-002; Bosch 1-192-052-015, -016, -020, -021, -024, -025, -027, -029; 1-197-311-004, 005, -006, -010, -011, -012, -013, -021; Dim: 14mm Dia. Slip Ring Note: Active lamp function – with output Features: Soft start, LRC Temperature compensation	IB362-BO 24 Volt, A-Circuit, 28.0 Vset For: Bosch IR/EF Alternators Used On: Iveco, Mercedes, DAF, FIAT, Scania, Volvo Replaces: Bosch 1-197-311-300, -301, -306, -307 Dim: 28mm Dia. Slip Ring Components: 38–9100 Brush Features: Brass terminals, hermetically sealed circuit Silver plated trio terminal
		
IB370-BO 12 Volt, A-Circuit, 14.5 Vset For: Bosch IR/EF Alternators Used On: Alfa Romeo, Audi, Deutz, Fiat, Ford, Iveco, John Deere, Lancia, Mercedes, Porsche, VW, Volvo, GMC, BMW Replaces: Bosch 0-192-052-003, -018; 1-197-311-000, -001, -002, -090; 2-197-311-090, Dim: 32mm Dia. Slip Ring Note: 15.0 Vset, For 14.1 Vset use IB350. For 14.5 Vset use IB351 or IB370. For adjustable voltage use IB370A Features: Aftermarket style brush holder	IB374-BO 24 Volt, A-Circuit, 27.5 Vset For: Bosch IR/EF Alternators Used On: Fiat, Mercedes Benz, Volvo/DAF Replaces: Bosch 0-192-053-005, -006, -011, -013, -017; Mercedes 002-154-38-06, 002-154-76-06; Volvo 244426, 9600908 Dim: 28mm Dia. Slip Ring Note: For 1-wire, self-exciting version use IB374SE24 Components: 38–9100 Brush	IB385-BO 12 Volt, A-Circuit, 14.5 Vset For: Bosch IR/IF Alternators Used On: (2002–92) Audi 80-100 91-A3/A4/A6 95-, BMW, Cadillac, Saab, VW, Volvo, Alfa Romeo, Ford, Nissan Primera 2.0 90- Replaces: BMW 12-31-1-747-920; Bosch 1-197-311-214, -223, -224, -225, -232, -235, -238, -527; Saab 47-37-151, VW-Audi 021-903-803B Features: Hermetically sealed circuit

Abbreviations, see first pages

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IB387-BO 12 Volt, A-Circuit, 14.5 Vset, 180 ohm Resistor For: Bosch IR/IF Alternators Used On: (2005–91) Mercedes, Saab, Volvo, FIAT, VAG Replaces: Bosch 1–197–311–213, –242; Mercedes 002–154–92–06 Features: Hermetically sealed circuit	IB388-BO 12 Volt, A-Circuit, 14.4 Vset For: Bosch IR/IF Alternators Used On: (1998–93) VW Replaces: Bosch 1–197–311–500, –523, –530, –531, –548; VW–Audi 028–903–803D Dim: 14mm Dia. Slip Ring Features: Hermetically sealed circuit	IH210-HIT 12 Volt, A-Circuit, B-S-L-F-E Terminals, 14.3 Vset For: Hitachi IR/EF Alternators Used On: Nissan, Subaru Replaces: Hitachi TR1Z–27, –33, –34, –47, –48, –56, –65; Nissan 23125–F2500, –B9800, –E3200, –E3201, –F2500, –P2500, –Q4601, –Q4602; Subaru 42990–7100, –7110; 49575–7101, –7301 Note: Used in IH203 regulator / brush holder assy. For heavy duty version use IH210HD.
		
IH212-HIT 12 Volt, A-Circuit, B-S-R-L-F-E Terminals, 14.3 Vset For: Hitachi IR/EF Alternators w/ Vacuum Pump Used On: (1987–81) Chevrolet, Isuzu, Isuzu Truck, Nissan, Mazda Replaces: Hitachi TR1Z–43, TR1Z–62, TR1Z–64, TR1Z–64A Note: For heavy duty version use IH717.	IK543-I 12 Volt, A-Circuit, 14.4 Vset For: Iskra Alternators Used On: Lada Replaces: Iskra 11–125–122	IL223-LC 12 Volt, A-Circuit, 14.4 Vset For: Lucas A127 Series IR/EF Alternators Used On: Nissan Primera 1.6 90-, ROVER, FORD Replaces: Ford 84AB–10316–AA; Lucas 37701, 37703, 37705, 37707, 37707A, 54048473, 54048600, 54205986, 54206177, 54206448, 54206467, 54206645, 54206688, 54207336, 54208417, UCB148, UCB150, UCB151, UCB152; Rover BAU4919, BAU5265, BAU5815, BAU5958, FBV2243, FBV2243, RTC5044 Note: For heavy duty version use IL223B.

Abbreviations, see first pages

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IM204-MIT 12 Volt, A-Circuit, R-L Terminals, 14.6 Vset For: Mitsubishi IR/EF Alternators Used On: Chrysler, Dodge, Ford, Mazda, Mitsubishi, Nissan Replaces: Ford E27Z-10316-A, GRE-545; Mazda 8173-24-520, N221-24-520; Mitsubishi A866T00470, 00670, 01970, 02570, 02770, 03270, 04370; Mitsubishi Motors MD607372, MD607570, (stamped 00470, 00670, 01970, 02570, 02770, 03270, 04370) Note: For heavy duty version use IM204HD Components: 38-8304 Brush Features: Self activating circuit, superior loading	IM205-MIT 12 Volt, A-Circuit, R-L Terminals, 14.6 Vset For: Mitsubishi IR/EF Alternators Used On: Dodge, Mitsubishi Galant/Pajero/L200/L300 2.3-2.5D, Mazda Replaces: Mazda SE21-24-520; Mitsubishi A866T03070, A866T03470 (stamped 03070, 03470) Components: 38-8304 Brush	IM217-MIT 12 Volt, A-Circuit, S-L Terminals, 14.5 Vset For: Mando, Mitsubishi IR/IF Alternators Used On: Dodge, Hyundai 1,3-2.0 -96, Mitsubishi Colt/Galant/L200, Nissan Replaces: Mitsubishi A866X05270, 05272, 09070, 09071, 09072, 09770, 09771, 09780, 09782, 12472 (stamped 05270, 09770, 09780, 09782) Dim: 26mm ID Slip Ring Cover Note: For heavy duty version use IM217HD. Components: 38-8300 Brush TRI400S-B2 Repair Circuit
		
IM265-MIT 12 Volt, A-Circuit, S-L Terminals w/ P Terminal, 14.5 Vset For: Mitsubishi IR/IF Alternators Used On: (1989-88) Ford, Mazda 323/626 Replaces: Ford E8GY-10316-B, E8GZ-10316-A; Mazda B675-18-W70, -W70A; Mitsubishi A866X12770, A866X12772, A866X12782 (stamped 12770, 12780) Dim: 39mm ID Slip Ring Cover Note: Active lamp function – with output. Dim: 26mm ID Slip Ring Cover Note: For heavy duty version use IM265HD. Components: 38-8300 Brush TRI406-B2 Repair Circuit	IM281-MIT 12 Volt, A-Circuit, S-L Terminals, 14.5 Vset For: Mitsubishi IR/IF Alternators Used On: Mitsubishi Diesel 1.8-2.5D/TD Replaces: Mitsubishi A866X09171, Mitsubishi Motors MD611481 Dim: 36mm ID Slip Ring Cover Note: D-L terminals (D-terminal has no function) Not interchangeable with IM282.	IM757-MIT 12 Volt, A-Circuit, D-L Terminals, 14.5 Vset For: Mitsubishi IR/IF Alternators Used On: Ford Transit Van 2.5L Diesel (Europe) Replaces: Mitsubishi A866X40371 (stamped 403) Features: OE compliant

Abbreviations, see first pages

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BX202-2	BX213	LAX82
Replacing: 1127014030, 1127014017 Servicing: 0120400944, 0120400945, 0120400947, 0120400948, 0120400949, 0120400950, 0120400951, 0120400952, 0120400953, 0120400954	Replacing: 1127014028 Servicing: 0120000016, 0120000036, 0120335006, 0120335007, 0120335008, 0120335010, 0120335011, 0120335012, 012033501c, 0120465003	Replacing: 54202906, 140613 Servicing: A127.
14 / 28 V., l. 19.50, th. 5.00, H. 8.00	14 / 28 V., l. 17.50, th. 4.00, H. 6.00	14 V., l. 20.00/22.00, th.4.00,H.7.00
		
PX60	RX103F	BSX137-143
Replacing: 300722, 092950 Servicing: 2542851, Sg12B062, SG12B080, TG11C014	Replacing: dR702, 3472319 Servicing: 3472020, 3472021, 3472028, 3472032, 3472033, 3472037, 3472038, 3472042, 3472048, 3472049, 3472050, 3472051, 3472052	Replacing: 2007014068 Servicing: 0001362034; -5; -6; -8; -9; -40; -41; -42; -43; -45; -46; -47; -48; -49; -50; -51; -52; -53; -57;
14 V., l. 15.40, th. 4.60, H. 6.40	14 V., l. 13.20, th. 5.00, H. 8.00	V. 12, L. 16.90, th. 8.95, H. 15.85, No. of brushes 4 assort. 803018
		
BSX139	BSX140	BSX149
Replacing: 2007014065 Servicing: 0001362300; -1; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; - V. 12, L. 17.15, th. 8.85, H. 15.90, No. of brushes 4 assort. 803018	Replacing: 1007014138; -44 Servicing: 0001208516; -710; -11514; 0001312108; -9; -7007; -7008; -7009; -7010; -7011; -7012; -7013; -7014; - V. 12, L. 15.00, th. 6.95, H. 15.80, No. of brushes 4 assort. 803018	Replacing: 1007014105; -39; -41; -45; BSX1544; -64 Servicing: 0001208501; -6; -7; -8; -10; -13; -14; -15; -16; -17; -18; -19; -20; -21; -24; -26; -28; -702; -705 V. 12, L. 14.05, th. 6.95, H. 9.90, No. of brushes 4 assort. 803018

Abbreviations, see first pages

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BSX151 replacing: 1007014140; -3; 16.905.247;BSX1514 Servicing: 0001218002; -3; -4; -5; -6; -7; -8;-9; -10; -11; -12; -13; -14; -15; -16; 17; -18;-19;-20;-21 V. 12, L. 18.95, th. 7.40, H. 18.00, No. of brushes 4 assort. 803010; 803018	BSX157-158 Replacing: 16905235 Servicing: 11130606 V. 12, L. 14.40, th. 5.95,H. 17.90, No. of brushes 4 assort. 803010; 803018	BSX159-160 Replacing: bsx159-1604 V. 12, L. 12.85, th. 4.85,H. 15.85,No. of brushes 4 <i>Used w/ brush set: Cargo 141184.</i> assort. 803010; 803018
		
BSX192-193 Replacing: bsx192-1934 V. 12, L. 15.00, th. 5.80,H. 21.85, No. of brushes 4	BSX75 Replacing: 2007014026 Servicing: 0001208203; -5; -12200;-12202 V. 12, L. 18.00, th. 6.85,H. 9.90, No. of brushes 4 assort. 803018	BSX76 Replacing: 1007014121 Servicing: 0001213004; 0001311033; -4;-42; -43; -47; -51; -101; -103; -105; -106;-108; -109; -114; -115; -11 V. 12, L. 17.79, th. 6.83, H. 15.84, No. of brushes 4 assort. 803018
		
MASX25-26 Replacing: masx25-264; 72161301; -2 V. 12, L. 23.00, th. 8.80, H. 15.90, No. of brushes 4 assort. 803021	PSX129 Replacing: 092878; 182065 Servicing: D9E100; -2; -31; -38; -40; -200;-238; -300; D9E31; -40; -43; -44; -45; -46;-49; -50; -51; -52; V. 12, L. 15.00, th. 6.50/9.60, H. 10.10, No. of brushes 4 assort. 803032	PSX133 Replacing: 300706 V. 12, L. 15.00, th. 6.90/12.45,H. 11.85 No. of brushes 2 assort. 803032

Abbreviations, see first pages

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PSX148-149 Replacing: PSX148-157K V. 12, L. 17.90, th. 4.50/9.05, H. 11.00, No. of brushes 2	RX120 Replacing: 3471834; RX120/04 Servicing: 3471153; -4; -5; -62; -64; -65; -69; -70; -73; -74; -75; -76 V. 12, L. 11.50, th. 5.93, H. 15.80, No. of brushes 4	JASX40-41 Replacing: m647c00271; -2; -571; -573;jasx40-41 Servicing: 23300-20P11; -30F11; -30R13;-44R11; -48L10; -4E100; -4E210; -52F10;-53J12; -57M71; -5C015; -65F10 V. 12, L. 17.45, th. 4.42, H. 11.90, No. of brushes 4 assort. 803027; 803038
		
JASX74-75 Replacing: 2130-13111; 2130-13111/3315;2130-13111/7312; 2130-3315; 2130-7312;2240-1311; 2240-1311/1312; 2240- Servicing: 123900-77010; 23300-3M005;S13-101; -2; -5; S13-105A; S13-129; -36;-60; -329; -529; S13-62; S13-62 V. 12, L. 15.45, th. 6.85, H. 18.90, No. of brushes 4 assort. 803023; 803038		

Abbreviations, see first pages

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DER1000-DL	DER2000S-DL	DR4000-DL
For: Delco European Alternators Used On: Opel, Vauxhall with Delco Machine Sensing Systems Replaces: Delco 3472311, 7982716, 7982718; Opel 1205404 Features: 6–25A button diode, hi–temperature lead frame	For: Delco European CS130D Series IR/IF Alternators Used On: (2001–98) Isuzu, Opel Corsa, Omega, Vectra, Astra, Fontera, Tigra Replaces: Delco 10475034, Opel 1205464 Dim: M8 x 1.25 Batt. Term. Note: With diode trio. Features: 6–40A press–fit avalanche diodes 3A trio assembly Aluminum positive heat sink Copper negative heat sink	For: Delco CS121, CS130 Series IR/EF Alternators Used On: GM–Vehicles, OPEL Replaces: Delco 1989658, 10456401, 10457236, 10457690, 10470730, 10472597, 10480569, D3991 Note: For heavy duty version use DR4000HD. Features: 40A press–fit avalanche diodes, OE validated Welded diode terminations Hi–temperature lead frame Patented Ram–Air aluminum heat sink
		
DR4200-DL	DR5160-DL	IBR-302-BO
For: Delco CS130D Series IR/IF Alternators Used On: (2005–93) Acura, Buick, Chevrolet, GMC, Honda, Oldsmobile, Pontiac, OPEL Replaces: Delco 10475757, 10475758, 10492837 Dim: M8 x 1.25 Batt. Term. Note: For heavy duty version use DR4200HD. Features: 40A press–fit avalanche diodes, OE validated Welded diode terminations Hi–temperature lead frame Patented Ram–Air aluminum heat sink Includes battery terminal	For: Delco CS121, CS130 Series IR/EF Alternators Used On: GM–Vehicles, OPEL Replaces: Delco 1989658, 10456401, 10457236, 10457690, 10470730, 10472597, 10480569, D3991 Note: For heavy duty version use DR4000HD. Features: 40A press–fit avalanche diodes, OE validated Welded diode terminations Hi–temperature lead frame Patented Ram–Air aluminum heat sink	For: Bosch 489 Series 45–65A IR/EF Alternators Used On: (1985–77) Audi, VW Replaces: Bosch 1–127–011–116, 1–127–320–506, 1–127–320–614, 1–127–320–648; VW–Audi 068–903–259, 068–903–359 Dim: 114mm OD Note: With W–terminal. With Diode Trio. Similar to IBR303 except IBR303 wo/ W–terminal. Features: 6–40A press–fit diodes

Abbreviations, see first pages

All measurements are in mm. unless else stated.

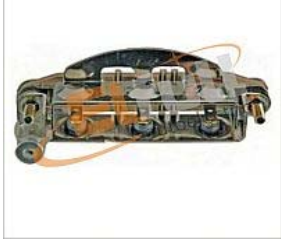
O.E.M. names and numbers are used for reference purposes only

		
IBR-303-BO For: Bosch 400, 489 Series 35–70A IR/EF, IR/EF Alternators Used On: Audi, BMW, Ford Mercedes, VW,ALFA-ROMEO Replaces: BMW 12–31–1–354–682; Bosch 1–127–011–112, –113,–114,–115, –135; 1–127–320–101,–103, –105, –108, –119, –120,–125, –130, –134, –136, –138, –140, –143, –144 Ford 71BB–10304–BA,72GB–10304–AA, 74EB–10304–AA, 75BB–10304–AA,75EB–10304–AA; IHC 3078594R91; Mercedes 000–154–13–16, 000–154–50–16, 000–154–64–16, 000–154–68–16, 000–154–76–16,000–154–81–16, 000–154–82–16, 001–154–32–16; Dim: 114mm OD Note: Without W–terminal. With diode trio. Similar to IBR302 except IBR302 w/ W–terminal. For heavy duty version use IBR303HD. Features: 6–40A press–fit diodes	IBR-311-BO For: Bosch 488, 489 Series 20–65A IR/EF Alternators Used On: AUDI VW DIESEL Replaces: Bosch 1–127–320–664, –665, –666, –695, –926;VW–Audi 069–903–359D Dim: 114mm OD M5 x 0.8 x 20mm D+ Term. (Trio) M8 x 1.25 x 30mm Batt. Term. Features: 6–40A press–fit diodes	IBR-317-BO For: Bosch 488, 489 Series 55A IR/EF Alternators Used On: Ford (Europe) Replaces: Bosch 1–127–011–139, 1–127–320–372, 1–127–320–580, 1–127–320–652; Ford 81AB–10304–DA, 81DB–10304–CA Dim: 114mm OD M5 x 0.8 x 33mm W–Term. Note: With diode trio. With auxiliary terminal. Features: 6–40A press–fit diodes
		
IBR-354-BO For: Bosch 468, 469 Series 80–115A IR/EF Alternators Used On: (1996–86) Alfa Romeo, Audi, BMW, Jaguar, Mercedes,Porsche, Saab, Volvo, VW,FIAT Replaces: Bosch 1–127–320–551, –565, –681, –710, –723, –732,–739; Porsche 944–603–901–00; Saab 85–90–945; Volvo 9130095;VW–Audi 026–903–359 Dim: 120mm OD M5 x 0.8 x 20mm D+ Term. (Trio) M8 x 1.25 x 33mm Batt. Term. Note: Without W–terminal, wo/ anti–feedback diode.Similar to IBR357 except IBR357 w/ W–terminal. Features: 8–50A press–fit diodes	IHR721-HIT For: Hitachi 60–70A IR/EF Alternators Used On: (1987–86) Nissan Diesel Replaces: Hitachi L160–23202, L160–43202, L170–5320; Nissan 23232-10GOO, 23245-V7200 Dim: 118mm OD Note: With diode trio. For heavy duty version use IHR721HD Features: 6–50A diodes	IHR723-HIT For: Hitachi 35–60A IR/EF Alternators w/ Vacuum Pump Used On: (1986–83) Nissan (Diesel) Replaces: Hitachi L140–13202, L140–53202, L150–83201,L150–83202, L160–4320; Isuzu 8-94167-411-0, 8-94408-376-0,8–97188–870–0; Nissan 23232–09W01, –10G01, –16A00, –18A00,–18G00,–V6601 Dim: 111mm OD Note: With diode trio. Features: 6–50A diodes

Abbreviations, see first pages

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ILR566-LC For: Lucas A127 Series 55–70A IR/EF Alternators Used On: Ford, Land Rover Replaces: Lucas 84201, 84422, 84454, UBB133, UBB135, UBB141 Dim: 115mm OD M5 x 0.8 x 30mm Mtg. Post M6 x 1.0 x 42mm Batt. Term. Note: For heavy duty version use ILR566HD Components: 84202 Diode Trio Features: 6–25A/200V diodes	ILR570-LC For: Lucas IR/EF Alternators Used On: FORD, FORD Transit 2.5D 91-> Replaces: Ford 864F–10304–AA; Lucas 84456, UBB140 Dim: 115mm OD M5 x 0.8 x 44mm Mtg. Post M6 x 1.0 x 51mm Batt. Term. Note: For heavy duty version use ILR570HD Components: 84202 Diode Trio Features: 6–25A/200V diodes	IMR10041-MIT For: Mitsubishi 55–65A IR/EF Alternators Used On: (1986–80) Dodge, Mazda, Mitsubishi Galant Replaces: Mazda 4130–24–510B, FE05–24–510; Mitsubishi A860T10370, A860T11370; Mitsubishi Motors MD607818 Dim: 100mm Mtg. Length Note: With diode trio Features: 6–50A diodes, copper heat sinks
		
IMR10042-MIT For: Mitsubishi 65–90A IR/IF Alternators Used On: Mitsubishi/Hyundai Replaces: Mitsubishi A860T23070, A860T28070; Mitsubishi Motors MD611564, MD611768 Dim: 100mm Mtg. Length Note: With diode trio Features: 8–30A diodes	IMR10043-MIT For: Mitsubishi ER/EF Alternators Used On: Nissan Bluebird Replaces: Mitsubishi A860T11770, Nissan 23124–05E16 Dim: 100mm Mtg. Length, M5 x 0.8 x 38mm Batt. Term. Note: With diode trio Features: 6–50A diodes, copper heat sinks	IMR85100-MIT For: Mitsubishi 80–90A IR/IF Alternators Used On: Mazda Replaces: Honda 04311–P0G–A02, Mazda FS05–18–W60, Mitsubishi 860T38970 Dim: 85mm Mtg. Length, M5 x 0.8 x 18mm Batt. Term. Note: With diode trio. For 6–diode version use IMR8592. Features: 8–30A diodes

Abbreviations, see first pages

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IPR551-VP For: Paris Rhone / Valeo IR/EF Alternators Used On: Deutz, Volvo–Penta Marine, Volvo White–GMC Replaces: Valeo 102556, 103551, 181155, 593199, A523726A, NC135, NC730; Volvo 872383 Dim: 115mm OD Note: With diode trio, w/ W–terminal, w/ capacitor Features: 6–50A press–fit diodes	IPR554-VP For: Paris Rhone / Valeo 70–85A IR/EF Alternators Used On: (1990–85) Peugeot Replaces: Paris Rhone 105554, 2181241; Peugeot–Citroen 574461 Dim: 115mm OD Note: With diode trio, w/ 82 ohm resistor, w/ capacitor Features: 6–40A press–fit diodes	IXR633-MM For: Marelli IR/IF Alternators Used On: Fiat (Europe) Replaces: Marelli 63623301, 63623501 Dim: 111mm OD, M8 x 1.25 Batt. Term. Features: 6–50A press–fit avalanche diodes
		
IXR692-MM For: Marelli 30–55A Alternators Used On: Alfa Romeo, Autobianchi, Fiat, Fiatallis, Iveco, Lamborghini, Lancia, Lister–Petter, SEAT, Simit, Unic Motore Replaces: Ducellier 593054; Marelli 63621501, 74877471 Dim: M6 x 1.0 Batt. Term., 17.5mm Thk. Heat Sink Note: With diode trio and lead Features: 6–50A diodes	IXR693-MM For: Marelli Alternators Used On: Fiat, Lancia, Maserati, SEAT, Unic Motore Replaces: Fiat 4808510, 4808513, 4808517, 4808518, 7541401, 7542145, 7548004, 7552382, 7553788, 7554832, 7554833; Marelli 63320013, 63320015, 63320016, 63320017, 63320018, 63320026, 63321019, 63321020, 63321021, 63321022, 63321023, 63321025, 63321056, 63321064, 63621601 Dim: M6 x 1.0 Batt. Term., 19.5mm Thk. Heat Sink Note: With diode trio and lead Components: 32–735 Button Diode Features: 6–50A diodes	MER102 For: Motorola / Valeo 55–65A 9AR Series IR/EF Alternators Used On: Alfa Romeo, Mercedes, AUDI 80/100 1.6-2.0; VW LT 2.4/TD ->85 Replaces: Valeo 501–001, 501–009, 501–053, 501–076, 501–111, NB428, NB435 Note: With diode trio Features: 6–25A diodes

Abbreviations, see first pages

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O.E.M. names and numbers are used for reference purposes only

CARGO	ELFULL	PAGE
132 005	EL005	2
131 065	EL065	1
132 079	EL079	2
135 086	EL086	3
131 102	EL102	1
131 104	EL104	1
135 116	EL116	3
131 150	EL150	1
132 168	EL168	3
132 169	EL169	3
131 207	EL207	1
132 216	EL216	3
139 341	EL341	4
131 344	EL344	2
134 371	EL371	3
130 404	EL404	1
130 405	EL405	1
130 414	EL414	1
131 432	EL432	2
131 433	EL433	2
131 434	EL434	2
130 465	EL465	1
137 481	EL481	3
135 716	EL716	3
136 854	EL854	3
137 888	EL888	4
131 995	EL995	2
131 997	EL997	2
131 998	EL998	2
140 003	EBS003	5
140 008	EBS008	5
140 009	EBS009	5
140 017	EBS017	5
140 018	EBS018	5
140 019	EBS019	5
140 027	EBS027	5
140 030	EBS030	5
140 208	EBS208	5
140 249	EBS249	6
140 250	EBS250	6
140 251	EBS251	6
140 252	EBS252	6
135 078	ESG078	7
132 123	ESG123	7
133 466	ESG466	7
133 467	ESG467	7
131 503	ESG503	7
130 685	ELA685	7
130 688	ELA688	7
131 185	ELB185	7
132 090	ELC090	7
132 306	ELC306	7
132 475	ELC475	7
132 995	ELC995	7
133 341	ELD341	8



CARGO	ELFULL	PAGE
133 342	ELD342	8
133 646	ELD646	8
133 647	ELD647	8
133 730	ELD730	8
134 103	ELE103	8
134 104	ELE104	8
134 658	ELE658	8
134 659	ELE659	8
134 660	ELE660	8
134 661	ELE661	8
134 868	ELE868	8
135 015	ELF015	9
137 121	ELH121	9
137 929	ELH929	9
138 424	ELI424	9
138 899	ELI899	9
230 741	EMK741	9
132 815	EA815	9
132 816	EA816	9
BSX137-143	BSX137-143	15
BSX139	BSX139	15
BSX140	BSX140	15
BSX149	BSX149	15
BSX151	BSX151	16
BSX157-158	BSX157-158	16
BSX159-160	BSX159-160	16
BSX192-193	BSX192-193	16
BSX75	BSX75	16
BSX76	BSX76	16
BX202-2	BX202-2	15
BX213	BX213	15
JASX40-41	JASX40-41	17
JASX74-75	JASX74-75	17
LAX82	LAX82	15
MASX25-26	MASX25-26	16
PSX129	PSX129	16
PSX133	PSX133	16
PSX148-149	PSX148-149	17
PX60	PX60	15
RX103F	RX103F	15
RX120	RX120	17



TRANSP0	ELFULL	PAGE
D101 14.8V	D101-DL	11
D403 14.7V	D403-DL	11
DE605 14.75V	DE605-DL	11
DE701 14.7V	DE701-DL	11
F785 14.6V	F785-F	11
IB220 14.4V	IB220-BO	11
IB225 14.5V	IB225-BO	12
IB352 14.1V	IB352-BO	12
IB362 28V	IB362-BO	12
IB370 14.5V	IB370-BO	12
IB374 27.5V	IB374-BO	12
IB385 14.5V	IB385-BO	12
IB387 14.5V	IB387-BO	13
IB388 14.4V	IB388-BO	13
IH210 14.3V	IH210-HIT	13
IH212 14.3V	IH212-HIT	13
IK543 14.4V	IK543-I	13
IL223 14.4V	IL223-LC	13
IM204 14.6V	IM204-MIT	14
IM205 14.6V	IM205-MIT	14
IM217	IM217-MIT	14
IM265 14.5V	IM265-MIT	14
IM281 14.5V	IM281-MIT	14
IM757 14.5V	IM757-MIT	14
IM847 14.5V	IM847-MIT	10
IP125 14.5V	IP125-VP	10
IP1652 14.4V	IP1652-VP	10
IX106 14.2V	IX106-MM	10
IX110 14.4V	IX110-MM	10
IY 028	IY 028-MN	10
M507 14.5V	M507-VM	10
M511 14.5V	M511-VM	10
DER1000	DER1000-DL	18
DER2000S	DER2000S-DL	18
DR4000	DR4000-DL	18
DR4200	DR4200-DL	18
DR5160	DR5160-DL	18
IBR302	IBR302-BO	18
IBR303	IBR303-BO	19
IBR311	IBR311-BO	19
IBR317	IBR317-BO	19
IBR354	IBR354-BO	19
IHR721	IHR721-HIT	19
IHR723	IHR723-HIT	19
ILR566	ILR566-LC	20
ILR570	ILR570-LC	20
IMR10041	IMR10041-MIT	20
IMR10042	IMR10042-MIT	20
IMR10043	IMR10043-MIT	20
IMR85100	IMR85100-MIT	20
IPR551	IPR551-VP	21
IPR554	IPR554-VP	21
IXR633	IXR633-MM	21
IXR692	IXR692-MM	21
IXR693	IXR693-MM	21
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Product quality has always been a priority for Elbert Fullmann Elektrische Tailen GmbH.

The company has followed this principle since the moment of being established to the present.

Quality conception for Elfull products — it is the highest standards for each step of the production process: the best raw materials and highly precise production equipment, up-to-date organization of production, perfect implementation.

Modern system of production planning and management is directing towards leading manufacturer's standards and guarantees the highest product quality.

Quality of Elfull product is in full compliance with OE manufacturer's standards due to the modern management system.