

NINGBO ZHONGWANG AUTO FITTINGS CO.,LTD

NO.50-1 TIANFENG ROAD,FENGHUA,ZHEJIANG,CHINA



TEL/FAX:0086-574-88956210/ WhatsApp: 0086-13515886684/ Whechat: 48655709

www.zowoparts.com

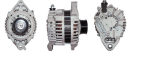
zwautoparts@vip.163.com

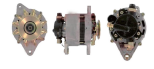
HITACHI ALTERNATOR LIST

NO.	ZW NO.	OEM NO.	WAI NO.	DESCRIPTION	USED ON	FOTO
1,	ZWHI001-AL	HITACHI LR140130 1-2481-01HI	1-2481-01HI	50 Amp/12 Volt, 25CC,CW, IR/IF,1-Groove Pulley		
2,	ZWHI002-AL	OEM 0330003090;0330003590;6008215 420;6008215870;3812002590		60 Amp/24 Volt, 60CC,CW, IR/IF,2-Groove Pulley 6BB1,6BG1,6BD1		
3,	ZWHI003-AL	NISSAN 23100EX70A HITACHI LR190773BS		90 Amp/12 Volt,CW, IR/IF,6- Groove Pulley		
4,	ZWHI004-AL	HITACHI LR180749B HITACHI LR180749C HITACHI LR180749E HITACHI LR190734		100 Amp/12 Volt,CW, IR/IF,1-Groove Pulley	HYUNDAI,NISSAN	
5,	ZWHI005-AL	6HE1		60 Amp/24 Volt,CW, IR/IF,2- Groove Pulley 6HE1		
6,	ZWHI006-AL	10PC1		50Amp/20 Volt,CW, IR/IF,2- Groove Pulley 10PC1		
7,	ZWHI007-AL	HITACHI LR170401 HITACHI LR170410 ISUZU 8941754180 ISUZU 8941754880		70Amp/12 Volt,50CC,CW, IR/IF,2-Groove Pulley		
8,	ZWHI008-AL	ALTVO55H;LR180508;8971674881		100Amp/12 Volt,50CC,CW, IR/IF,1-Groove Pulley		
9,	ZWHI009-AL	LT13097C		40Amp/12 Volt,30CC,CW, IR/IF,1-Groove Pulley		
10,	ZWHI010-AL	LT220-15B		35Amp/24 Volt,30CC,CW, IR/IF,1-Groove Pulley		
11,	ZWHI011-AL	R28618330;R21318300		60Amp/12 Volt,25CC,CW, IR/IF,1-Groove Pulley		

NO.	ZWHI NO.	OEM NO.	WAI NO.	DESCRIPTION	USED ON	FOTO
12,	ZWHI012-AL	8972482970;LR1110501		110Amp/12 Volt,50CC,CW, IR/IF,3-Groove Pulley		
13,	ZWHI013-AL	GENERAL MOTORS 97189649 HITACHI LR180510 ISUZU 2902768000 ISUZU 8971895490		70Amp/12 Volt,50CC,CW, IR/IF,2-Groove Pulley		
14,	ZWHI014-AL	4BD1		45Amp/24 Volt,50CC,CW, IR/IF,2-Groove Pulley 4BD1		
15,	ZWHI015-AL	HITACHI LR140410B HITACHI LR140411 HITACHI LR150419 HITACHI LR155404		50Amp/12 Volt,30CC,CW, IR/IF,1-Groove Pulley	FORD,MAZDA,KIA	
16,	ZWHI016-AL	HITACHI LR190752 LUCAS LRA02215 LUCAS LRA2215 NISSAN 23100VC100		90Amp/12 Volt,CW, IR/IF,7- Groove Pulley	NISSAN	
17,	ZWHI017-AL	HITACHI LR150136 HITACHI LR150136B HITACHI LR150136E HITACHI LR150155		70Amp/12 Volt,30CC,CW, IR/IF,1-Groove Pulley	ISUZU,OPEL,VAUXHALL	
18,	ZWHI018-AL	HITACHI LR160715 LUCAS LRA00394 LUCAS LRA00481 LUCAS LRA394		60Amp/12 Volt,CW, IR/IF,4- Groove Pulley	NISSAN	
19,	ZWHI019-AL	HITACHI LR1125702 HITACHI LR1125702B HITACHI LR1125702H NISSAN 2310031U02		125Amp/12 Volt,CW, IR/IF,6- Groove Pulley		
20,	ZWHI020-AL	HITACHI LR1100723R NISSAN 231004M800R		100Amp/12 Volt,CW, IR/IF,6- Groove Pulley		
21,	ZWHI021-AL	HITACHI LR150428 HITACHI LR150428E HITACHI LR150428S HITACHI LR150428C		70Amp/12 Volt,50CC,CW, IR/IF,2-Groove Pulley	NISSAN	
22,	ZWHI022-AL	8942416300		80Amp/12 Volt,50CC,CW, IR/IF,1-Groove Pulley		
23,	ZWHI023-AL	LR180510AM,LR180510R		80Amp/12 Volt,60CC,CW, IR/IF,3-Groove Pulley		
24,	ZWHI024-AL	LR1110713C;23100AU40D		110Amp/12 Volt,CW, IR/IF,4- Groove Pulley		
25,	ZWHI025-AL	LR190772;3100JX30A		90Amp/12 Volt,CW, IR/IF,7- Groove Pulley		
26,	ZWHI026-AL	HITACHI LR180742 HITACHI LR190724 NISSAN 2310070F00 NISSAN 2310070F05		85Amp/12 Volt,CW, IR/IF,4- Groove Pulley		

NO.	ZW NO.	OEM NO.	WAI NO.	DESCRIPTION	USED ON	FOTO
27,	ZWHI027-AL	HITACHI LR170757 HITACHI LR170757B HITACHI LR170765 HITACHI LR170766		70Amp/12 Volt,CW, IR/IF,1-Groove Pulley	NISSAN	
28,	ZWHI028-AL	HITACHI LR22584B HITACHI LR22584T NISSAN 2310051H00 NISSAN 2310051H0A		35Amp/24 Volt,CW, IR/IF,2-Groove Pulley		
29,	ZWHI029-AL	BOSCH 0986042951 BOSCH 4295 HITACHI LR165711 HITACHI LR165711B	1-2001-01HI	70Amp/12 Volt,CW, IR/IF,6-Groove Pulley	NISSAN	
30,	ZWHI030-AL	HITACHI LR190742 LUCAS LRA01713 LUCAS LRA1713 MITSUBISHI A002TB2891	1-2508-01HI	90Amp/12 Volt,CW, IR/IF,5-Groove Pulley	SUBARU	
31,	ZWHI031-AL	HITACHI LR150431 HITACHI LR150432 HITACHI LR150439 HITACHI LR150439B		65Amp/12 Volt,50CC,CW, IR/IF,1-Groove Pulley	BEDFORD,ISUZU,VAUXHALL	
32,	ZWHI032-AL	HITACHI LR1100710C HITACHI LR1100710F HITACHI LR1100725 HITACHI LR1100725B	1-2231-01HI	100Amp/12 Volt,CW, IR/IF,6-Groove Pulley		
33,	ZWHI034-AL	HITACHI LR180736 HITACHI LR180736B HITACHI LR180738 HITACHI LR180738B	1-1120-01HI	80Amp/12 Volt,CW, IR/IF,6-Groove Pulley		
34,	ZWHI035-AL	BOSCH 0986038281 BOSCH 3828 HITACHI 231000E705 HITACHI 231000E706		70Amp/12 Volt,CW, IR/IF,4-Groove Pulley	NISSAN	
35,	ZWHI036-AL	BOSCH 0986038041 BOSCH 3804 HITACHI LR165707 HITACHI LR165707B		65Amp/12 Volt,CW, IR/IF,4-Groove Pulley	NISSAN	
36,	ZWHI037-AL	HITACHI LR150135B HITACHI LR15078 HITACHI LR15078B ISUZU 8942214501		75Amp/12 Volt,50CC,CW, IR/IF,2-Groove Pulley		
37,	ZWHI038-AL	LR150441,8941224884		80Amp/12 Volt,50CC,CW, IR/IF,1-Groove Pulley	ISUZU,OPEL,VAUXHALL	
38,	ZWHI039-AL	JA680IR,LR150432B,LR150438,LR150438B,8944490541,8944527392		60Amp/12 Volt,25CC,CW, IR/IF,1-Groove Pulley	BEDFORD,ISUZU,VAUXHALL	
39,	ZWHI040-AL	TD27		75Amp/12 Volt,CW, IR/IF,2-Groove Pulley TD27		
40,	ZWHI041-AL			75Amp/12 Volt,30CC,CW, IR/IF,2-Groove Pulley TD27		
41,	ZWHI042-AL	HITACHI LR160726 HITACHI LR160726B ISUZU 2912763380 ISUZU 8970426371	1-1878-01HI	60Amp/12 Volt,CW, IR/IF,4-Groove Pulley		

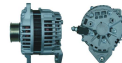
NO.	ZW NO.	OEM NO.	WAI NO.	DESCRIPTION	USED ON	FOTO
42,	ZWHI043-AL	HITACHI LR1100734 HITACHI LR1100734B HITACHI LR1100734C HITACHI LR1100734D	1-2450-01HI	110Amp/12 Volt,CW, IR/IF,6-Groove Pulley		
43,	ZWHI044-AL	HITACHI LR1100707 NISSAN 231006P000 1-2192-01HI	1-2192-01HI	110Amp/12 Volt,CW, IR/IF,6-Groove Pulley		
44,	ZWHI045-AL	HITACHI LR1100722 NISSAN 231005M000	1-2449-01HI	100Amp/12 Volt,CW, IR/IF,6-Groove Pulley		
45,	ZWHI046-AL	HITACHI LR190744 HITACHI LR190761 ISUZU 2902768200 ISUZU 2902768300	1-2240-01HI	90Amp/12 Volt,CW, IR/IF,6-Groove Pulley		
46,	ZWHI047-AL	HITACHI LR150194 HITACHI LR150194B HITACHI LR150197 HITACHI LR150197B	1-1115-01-HI	60Amp/12 Volt,CW, IR/IF,1-Groove Pulley	NISSAN,OPEL,VW	
47,	ZWHI049-AL	HITACHI LR170713 HITACHI LR170721 HITACHI LR170721B HITACHI LR190704	1-1122-01HI	90Amp/12 Volt,CW, IR/IF,4-Groove Pulley	NISSAN	
48,	ZWHI050-AL	BOSCH 0986044511 BOSCH 4451 HITACHI LR160731 HITACHI LR170755	1-2831-01-HI-2	90Amp/12 Volt,CW, IR/IF,6-Groove Pulley	OPEL,VAUXHALL	
49,	ZWHI051-AL	HITACHI LR1100709 HITACHI LR1100709B HITACHI LR1100709C NISSAN 231000Z400	1-2193-01HI	100Amp/12 Volt,CW, IR/IF,6-Groove Pulley		
50,	ZWHI052-AL	BOSCH 0986048320 BOSCH 4832 HITACHI LR1100508 HITACHI LR1100508B		100Amp/12 Volt,40CC,CW, IR/IF,6-Groove Pulley	OPEL,VAUXHALL	
51,	ZWHI053-AL	HITACHI LR1100506	1-2628-01HI	100Amp/12 Volt,40CC,CW, IR/IF,6-Groove Pulley		
52,	ZWHI054-AL	HITACHI LR1501368 ISUZU 8944017930		50Amp/12 Volt,25CC,CW, IR/IF,1-Groove Pulley		
53,	ZWHI055-AL	DRA3208,LR150428T,1-2838-01HI-2	1-2838-01HI-2	50Amp/12 Volt,25CC,CW, IR/IF,2-Groove Pulley	NISSAN,HYUNDAI,LTI	
54,	ZWHI056-AL	BOSCH 0986035680 BOSCH 3568 HITACHI LR170402 HITACHI LR170402B	1-1426-01HI	70Amp/12 Volt,30CC,CW, IR/IF,1-Groove Pulley	NISSAN	
55,	ZWHI057-AL	HITACHI LR140426 HITACHI LR140433 HITACHI LR140433B HITACHI LR150421	1-2863-01HI	50Amp/12 Volt,25CC,CW, IR/IF,1-Groove Pulley	ISUZU,OPEL,VAUXHALL	
56,	ZWHI058-AL	BOSCH 0986037831 BOSCH 3783 HITACHI LR170415 HITACHI LR170415B		70Amp/12 Volt,25CC,CW, IR/IF,1-Groove Pulley	OPEL,VAUXHALL	

NO.	ZWHI NO.	OEM NO.	WAI NO.	DESCRIPTION	USED ON	FOTO
57,	ZWHI059-AL	BOSCH 0986037841 BOSCH 3784 HITACHI LR170419 HITACHI LR170419B		70Amp/12 Volt,25CC,CW, IR/IF,1-Groove Pulley	ISUZU,OPEL,VAUXHALL	
58,	ZWHI060-AL	HITACHI LR170411 HITACHI LR170411B HITACHI LR170411C HITACHI LR170411D		70Amp/12 Volt,25CC,CW, IR/IF,1-Groove Pulley	ISUZU,OPEL,VAUXHALL	
59,	ZWHI061-AL	HITACHI LR170405 VALEO 436550 111236		70Amp/12 Volt,25CC,CW, IR/IF,1-Groove Pulley		
60,	ZWHI062-AL	HITACHI LR180502 HITACHI LR180502B ISUZU 8970370640	1-2470-01HI	80Amp/12 Volt,50CC,CW, IR/IF,6-Groove Pulley		
61,	ZWHI063-AL	HITACHI LR235402 HITACHI LR235403E HITACHI LR235403T HITACHI LR235404T	1-2862-01HI	35Amp/24 Volt,25CC,CW, IR/IF,2-Groove Pulley	NISSAN	
62,	ZWHI064-AL	BOSCH 9120334631 BOSCH 9120334632 HITACHI LR140419C HITACHI LR150425B		60Amp/12 Volt,50CC,CW, IR/IF,1-Groove Pulley	FORD,NISSAN	
63,	ZWHI065-AL	LR170406,2310006N10,DRA3333		70Amp/12 Volt,60CC,CW, IR/IF,1-Groove Pulley	FORD,NISSAN	
64,	ZWHI066-AL	GENERAL MOTORS 97116697 GENERAL MOTORS 97189650 HITACHI LR180509 ISUZU 8971166973		80Amp/12 Volt,60CC,CW, IR/IF,3-Groove Pulley		
65,	ZWHI067-AL	BOSCH 0986035681 BOSCH 3568 HITACHI LR140119C HITACHI LR140130B		40Amp/12 Volt,50CC,CW, IR/IF,1-Groove Pulley	NISSAN	
66,	ZWHI068-AL	DRA3323,LR160131,2310060L00		60Amp/12 Volt,50CC,CW, IR/IF,1-Groove Pulley	FORD,NISSAN	
67,	ZWHI069-AL	HITACHI LR16096C NISSAN 2310005E07 A3T35278 DRA3044	1-1121-01HI	70Amp/12 Volt,50CC,CW, IR/IF,1-Groove Pulley		
68,	ZWHI070-AL	BOSCH 0986046421 BOSCH 4642 HITACHI LR140419T HITACHI LR150430S	1-2686-01HI	70Amp/12 Volt,50CC,CW, IR/IF,2-Groove Pulley	NISSAN,HYUNDAI,LTI	
69,	ZWHI071-AL	DRA3103 LR150410 R20618300		50Amp/12 Volt,25CC,CW, IR/IF,1-Groove Pulley	FORD,MAZDA,KIA	
70,	ZWHI072-AL	HITACHI LR140138 20500900	1-1247-01HI	45Amp/12 Volt,25CC,CW, IR/IF,1-Groove Pulley		
71,	ZWHI073-AL	HITACHI LR225408B ISUZU 8944723300 111493		35Amp/24 Volt,30CC,CW, IR/IF,1-Groove Pulley		

NO.	ZW NO.	OEM NO.	WAI NO.	DESCRIPTION	USED ON	FOTO
72,	ZWHI074-AL	BOSCH 0986041770 HITACHI LR170505 HITACHI LR170505B HITACHI LR170511	1-2615-01HI	70Amp/12 Volt,30CC,CW, IR/IF,1-Groove Pulley	OPEL,VAUXHALL	
73,	ZWHI075-AL	HITACHI LR170420 HITACHI LR170420B HITACHI LR170427 HITACHI LR170427B	1-2616-01HI	70Amp/12 Volt,25CC,CW, IR/IF,1-Groove Pulley	OPEL,VAUXHALL	
74,	ZWHI076-AL	HITACHI LR180512T ISUZU 8979673011		80Amp/12 Volt,25CC,CW, IR/IF,1-Groove Pulley		
75,	ZWHI077-AL	HITACHI LR160502 HITACHI LR160502B HITACHI LR160502C HITACHI LR160502E		65Amp/12 Volt,25CC,CW, IR/IF,1-Groove Pulley	ISUZU,OPEL,VAUXHALL	
76,	ZWHI078-AL	HITACHI LR280707 HITACHI LR280707B HITACHI LR280707C ISUZU 8980298891		80Amp/24 Volt,CW, IR/IF,7- Groove Pulley		
77,	ZWHI079-AL	HITACHI LR280501 HITACHI LR280506 HITACHI LR280508 ISUZU 8972489141		80Amp/24 Volt,60CC,CW, IR/IF,3-Groove Pulley		
78,	ZWHI080-AL	HITACHI LR250503 ISUZU 8971160880		50Amp/24 Volt,60CC,CW, IR/IF,3-Groove Pulley		
79,	ZWHI081-AL	HITACHI LR150135 HITACHI LR150135C HITACHI LR150147 HITACHI LR150192		50Amp/12 Volt,25CC,CW, IR/IF,1-Groove Pulley	VAUXHALL	
80,	ZWHI082-AL	1-1116-01HI DRA3897 LR160422B		60Amp/12 Volt,50CC,CW, IR/IF,2-Groove Pulley	FORD,NISSAN	
81,	ZWHI083-AL	BOSCH 0986043121 BOSCH F042A05046 HITACHI LR180501 HITACHI LR180501B		80Amp/12 Volt,50CC,CW, IR/IF,1-Groove Pulley	ISUZU,OPEL,VAUXHALL	
82,	ZWHI084-AL	HITACHI LR250508B HITACHI LR250510 HITACHI LR250510B HITACHI LR250510C		50Amp/24 Volt,CW, IR/IF,7- Groove Pulley		
83,	ZWHI086-AL	1-2861-01HI LR160412	1-2861-01HI	60Amp/12 Volt,30CC,CW, IR/IF,1-Groove Pulley	FORD,MAZDA,KIA	
84,	ZWHI087-AL	4FB1		60Amp/12 Volt,25CC,CW, IR/IF,1-Groove Pulley 4FB1		
85,	ZWHI088-AL	21EA00040		24V,40A	ISUZU:4BG1,4BD1	
86,	ZWHI089-AL	BOSCH 0986045681 BOSCH 4568 HITACHI LR160728 HITACHI LR160728B		12V,60A	NISSAN	

NO.	ZW NO.	OEM NO.	WAI NO.	DESCRIPTION	USED ON	FOTO
87,	ZWHI090-AL	ISUZU 1812002050 ISUZU 1812002090 ISUZU 1812003820 ISUZU 5812003820		24V,40A	HITACHI:EX200-2,6BD1T	
88,	ZWHI091-AL	0330006000 1812003650		24V,35A	HITACHI:6BB1,6BD1	
89,	ZWHI092-AL	LR110705C 231000W802		24V,80A	TD42T	
90,	ZWHI093-AL	2310002N17		12V,70A	HITACHI:SD23,TD27(30CC)	
91,	ZWHI094-AL	000000		12V,90A	NISSAN	
92,	ZWHI095-AL	HITACHI LR150221 NISSAN 2310042K00		12V,70A	NISSAN:TD27	
93,	ZWHI096-AL	NISSAN 23100N9500		12V,70A		
94,	ZWHI097-AL	DENSO 1042109031 HITACHI LR190763 HITACHI LR190768 ISUZU 8973618710		12V,90A	ISUZU	
95,	ZWHI098-AL	HITACHI LR190750 HITACHI LR190750B HITACHI LR190750C ISUZU 8972159922		12V,90A	ISUZU,OPEL	
96,	ZWHI099-AL	Hitachi LR1100703, LR1100703B, LR1100711, LR1100711B, LR1100711BR,		12V,100A,CW,IR/IF	Nissan (1998-1998) , Nissan - Europe (1995-2010)	
97,	ZWHI100-AL	HITACHI LR1110707 HITACHI LR1110707E LUCAS LRA02870 LUCAS LRA2870		12V,100A,CW,IR/IF,6S	INFINITI	
98,	ZWHI101-AL	HITACHI LR1110721 HITACHI LR1110721B HITACHI LR1110721E HITACHI LR1110721F		12V,110A,CW,IR/IF		
99,	ZWHI102-AL	HITACHI LR1110710 HITACHI LR1110710C HITACHI LR1110710F HITACHI LR1110720		12V,110A,CW,IR/IF,6S		
100,	ZWHI104-AL	HITACHI LR160730 HITACHI LR160730C ISUZU 2902766200 ISUZU 8971041011		12V,60A,CW,IR/IF,4S		
101,	ZWHI105-AL	HITACHI LR1100723 NISSAN 231004M800		12V,100A,CW,IR/IF,6S		

NO.	ZW NO.	OEM NO.	WAI NO.	DESCRIPTION	USED ON	FOTO
102,	ZWHI106-AL	BOSCH 0986045671 BOSCH 4567 HITACHI LR180751 HITACHI LR180751B		12V,80A,CW,IR/IF,6S	NISSAN	
103,	ZWHI107-AL			12V,90A	NISSAN	
104,	ZWHI109-AL	Hitachi HAL1100725B, LR1100725C, LR1100725R, Nissan, Infiniti 231002Y000, 231002Y005R		12V,100A,CW,IR/IF,6S	Infiniti (2001-2001) , Nissan (2001-2001)	
105,	ZWHI110-AL	BOSCH 0986043941 BOSCH 4394 HITACHI LR1100501 HITACHI LR1100501B		12V,100A	OPEL,VAUXHALL	
106,	ZWHI111-AL	BOSCH 0986045631 BOSCH 4563 HITACHI LR170504 HITACHI LR170504B		12V,70A CD20	NISSAN	
107,	ZWHI112-AL	BOSCH 0986043981 BOSCH 4398 HITACHI LR1100502 HITACHI LR1100502B		12V,100A	HONDA,OPEL,VAUXHALL	
108,	ZWHI113-AL	BOSCH 0986048301 BOSCH 4830 HITACHI LR1110502 HITACHI LR1110502F		14V,100A	VAUXHALL,OPEL	
109,	ZWHI114-AL			12V,55A 4JA1		
110,	ZWHI115-AL	HITACHI LR150444B HITACHI LR150448 HITACHI LR160446 HITACHI LR160446B		12V,70A	ISUZU,OPEL,VAUXHALL	
111,	ZWHI116-AL	GENERAL MOTORS 94052404 HITACHI LR170418 HITACHI LR170418B HITACHI LR170418C		12V,70A		
112,	ZWHI117-AL			12V,70A		
113,	ZWHI118-AL	HITACHI LR190737 HITACHI LR190737B HITACHI LR190737E NISSAN 231000W001		12V,90A		
114,	ZWHI119-AL	HITACHI 2310064J00 HITACHI 2310064J10 HITACHI 2310064J12 HITACHI LR180725		12V,90A	NISSAN	
115,	ZWHI120-AL	HITACHI 2310057J01 HITACHI 2310057J02 HITACHI LR170417 HITACHI LR170417B		12V,70A	NISSAN	
116,	ZWHI121-AL	Hitachi LR1130701, LR1130701B, LR1130701BR, Nissan, Infiniti 231008S100, 231008S100AR, 231008S10A		12V,130A	Infiniti (2004-2006) , Nissan (2004-2007)	

NO.	ZW NO.	OEM NO.	WAI NO.	DESCRIPTION	USED ON	FOTO
117,	ZWHI122-AL	Hitachi LR1130703, LR1130703A, LR1130703B, LR1130703BR, Nissan, Infiniti 23100EA200, 23100EA20A, 23100EA20AR		12V,130A	Infiniti (2007-2007) , Nissan (2005-2007)	
118,	ZWHI123-AL	Hitachi LR1110724, LR1110724B, LR1110724BR, LR1110724C, Nissan, Infiniti 23100EA000, 23100EA00A, 23100EA00AR		12V,125A	Nissan (2005-2018) , Suzuki (2009-2012)	
119,	ZWHI124-AL	Hitachi LR1110725, LR1110725B, LR1110725BR, Nissan, Infiniti 23100EA201, 23100EA20B, 23100EA20BR		12V,110A	Nissan (2005-2007)	
120,	ZWHI125-AL	BOSCH 0986043101 BOSCH 4310 HITACHI LR170509 HITACHI LR170509C		12V,70A	OPEL,VAUXHALL	