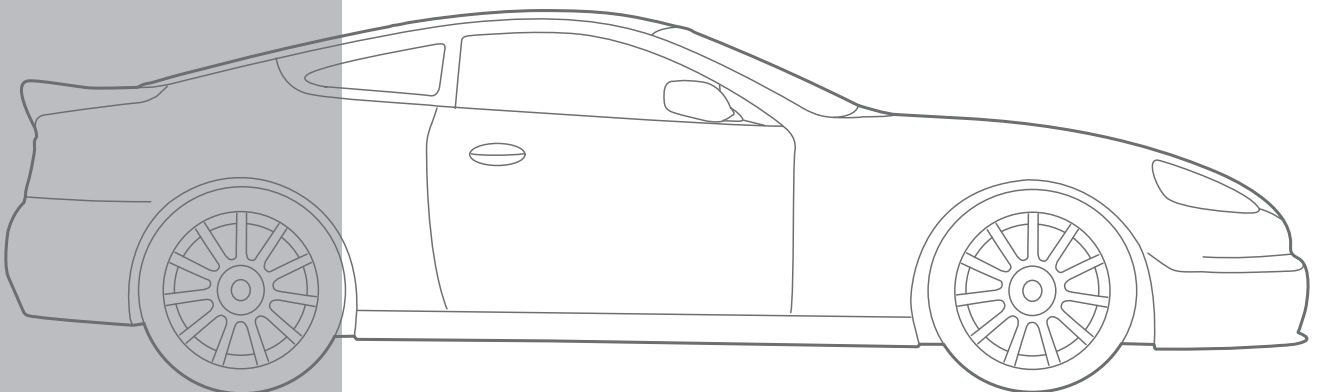


Starter Motor

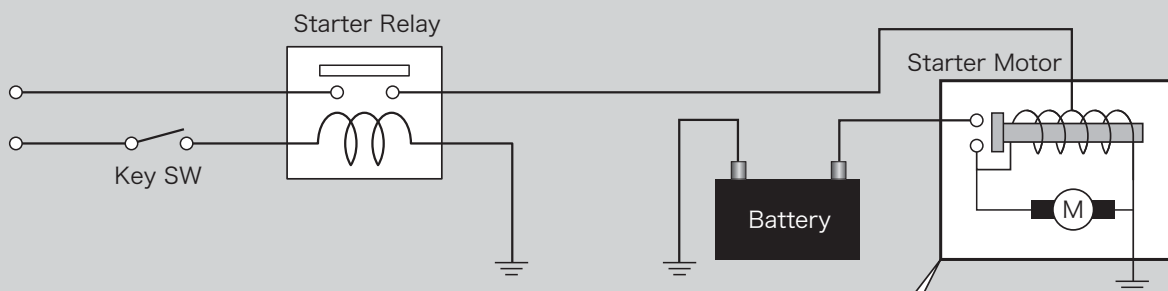


What is a Starter Motor ?

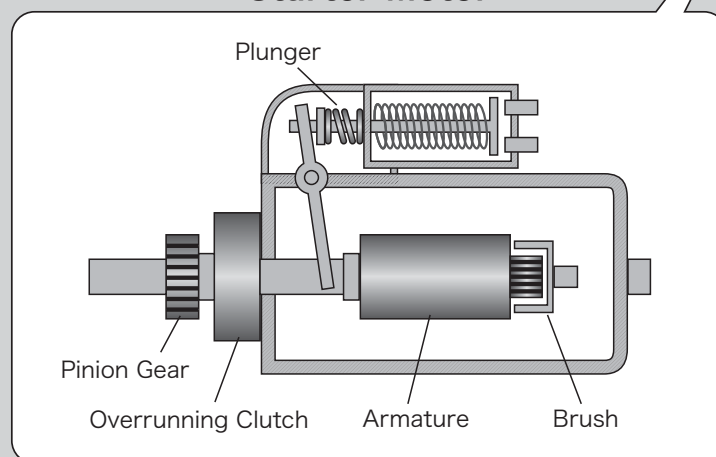
It is a driving device to start the engine using the power of a motor.

An automobile engine can not start by itself, and the engine can not start without rotating the crank shaft to the engine starting speed by an external force and to create the first combustion, this driving device is the "Starter Motor". The Starter Motor has to generate a very large torque since the Starter Motor has to drive the crank shaft to the speed that able to start the engine using only the power supply from the battery and by mating the starter pinion gear with the ring gear on the peripheral of the engine flywheel. In the past, pinion sliding type was used mainly but now, reduction type is the main stream. Reduction type motor transmits the rotational power to the pinion gear via a reduction gear, in order to increase the rotating torque while reducing the size and weight.

System configuration



Starter Motor



Typical troubles and inspection methods

The following troubles appear concerning the Starter Motor:

- Cranking does not occur,
- Operating noise of the magnet switch is not heard,
- Mating noise of the pinion gear is not heard, or
- The motor does not rotate.

As an inspection method, the voltage between the B and M terminals or the voltage at wiring side of the C terminal is measured when the starter switch is turned ON and OFF. Since the inspection method depends on the maker of the vehicle, check the maintenance manual of the vehicle. If any trouble has occurred it is recommended to replace the Starter Motor.

The Guide of General Catalog for Aftermarket

The purpose of catalog 2011 is to furnish our customers with complete listings of parts requirements. This catalog is compiled with parts of electrical & electronic according to product and car model based on the information by September 2011. Please note that any change may occur without notice and we do not take any responsibility for possible errors in listings, applications and compatibilities.

How to use this Catalog

The order of displacement of Catalog

■ Car's name is lined in car maker, alphabetical order

Sample of Applicable Car List

Air Flow Sensor/Ignition Coil/Idle Speed Control Valve/Electronic Control Throttle Chamber
Fuel Pump/Fuel Pump Module/Fuel Injector/Crank Angle Sensor / Cam Angle Sensor
Alternator/Starter Motor

Car Name	Year	ENG. Model	Car Model Description	REFERENCE No.	HITACHI APS PARTS No.
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After Electronic Control Throttle Chamber and connector are exchanged, it is necessary to set up ECU.

Also, it is necessary to use the tool recommended by Car makers in some case.

Sample of Applicable Car List (Sold in Japan)

【Air Flow Sensor/Fuel Pump/Electronic Control Throttle Chamber】

Sold in Japan

Car Model	cc	WD	Year	ENG. Model	Car Model Description	REFERENCE No.	HITACHI APS PARTS No.
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After Electronic Control Throttle Chamber and connector are exchanged, it is necessary to set up ECU.

Also, it is necessary to use the tool recommended by Car makers in some case.

【Ignition Coil】

Sold in Japan

Car Model	cc	WD	Year	ENG. Model	CLY Q'TY	Car Model Description	REFERENCE No.	HITACHI APS PARTS No.
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Sign and Explanation of Abbreviation

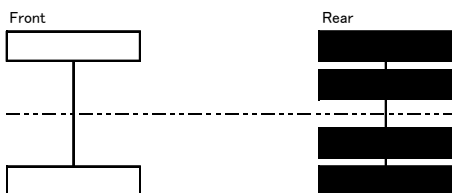
Sign

/	division	ex.(***)	Except(***)
** · **	** of **	w/ ***	with ***
** , **	** and **	w/o ***	without ***

Abbreviation

AT	Automatic Transmission	SHORT	Short Wheel Base
CVT	Continuously Variable Transmission	LONG	Long Wheel Base
MCVT	Continuously Variable Transmission with Manual	ACT	Active Suspension
MT	Manual Transmission	IRS	IRS Suspension
F4	Floor Shift 4 Speed	ABS	spec.ABS
F5	Floor Shift 5 Speed	TRC	Traction Control System
R4	Column Shift 4 Speed	VDC	Vehicle Dynamic Control System
R5	Column Shift 5 Speed	2WD	2 Wheel Drive
HB	Hatchback	4WD	4 Wheel Drive
VAN	Van	4 x 2	Front 1 Shaft · Rear 1 Shaft / 1 Shaft Drive
WG	Wagon	4 x 4	Front 1 Shaft · Rear 1 Shaft / 2 Shaft Drive
GDI	Mitsubishi Gasoline Direct Injection	6 x 2	Front 1 Shaft · Rear 2 Shaft / 1 Shaft Drive
EPI	Suzuki Car Electronic Petrol Injection		Front 2 Shaft · Rear 1 Shaft / 1 Shaft Drive
TURBO	with Turbo	6 x 4	Front 1 Shaft · Rear 2 Shaft / 2 Shaft Drive
HICAS	with Hicas	6 x 6	Front 1 Shaft · Rear 2 Shaft / 6 Shaft Drive
CNG	Compressed Natural Gas Car	8 x 4	Front 2 Shaft · Rear 2 Shaft / 2 Shaft Drive
LPG	Liquid Petroleum Gas Car		

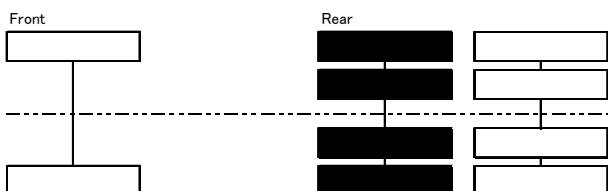
4 x 2 (Front 1 Shaft · Rear 1 Shaft / 1 Shaft Drive)



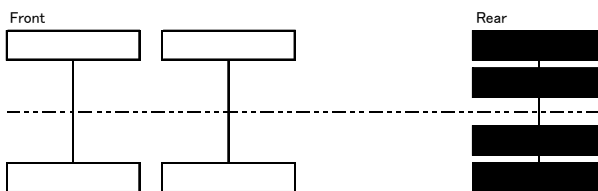
4 x 4 (Front 1 Shaft · Rear 1 Shaft / 2 Shaft Drive)



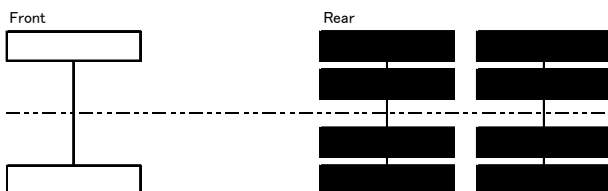
6 x 2 (Front 1 Shaft · Rear 2 Shaft / 1 Shaft Drive)



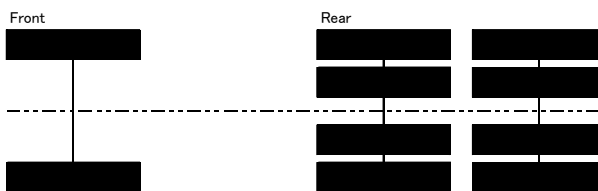
6 x 2 (Front 2 Shaft · Rear 1 Shaft / 1 Shaft Drive)



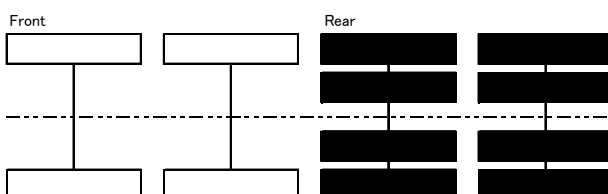
6 x 4 (Front 1 Shaft · Rear 2 Shaft / 2 Shaft Drive)



6 x 6 (Front 1 Shaft · Rear 2 Shaft / 6 Shaft Drive)



8 x 4 (Front 2 Shaft · Rear 2 Shaft / 2 Shaft Drive)



□ Tire ■ Drive Wheel

The total weight of truck is spread into each drive shafts, to support the vehicle.

Each drive shafts have weight limit.

The structure of drive shafts is displayed on this page.

The total number of wheel x the number of drive wheel.

Above black color drive shafts stand for the number of drive wheel.

This catalog is for your reference guide when you replace our Electrical & Electronic Parts.

Please note the following points to identify your required parts number with reference to the car application in this catalog.

In case you are in a difficulty to find the necessary part number, please do not hesitate to contact us.

- Please note each cylinder may be applied to different Ignition Coils.
- For the "Others (non application)" in the application, another OEM part numbers for universal engines may be existed besides of original car maker numbers.

This Catalog is compiled with parts of Electrical & Electronic Parts based on the information as of September 2011. Please note that any change may occur without notice.

The actual part usage can be different from the information, as this catalog also lists parts for Japanese domestic models.

Please read following points before replacing parts.



Warning for safety

*When replacing parts, please ask for qualified engineer for assured skill and knowledge.

Inappropriate operation may cause of an accident or fire.

*Parts installation to inapplicable vehicle may cause an accident or fire.

*Please use the parts for proper and original purpose of use.

It may cause an accident or fire, if you do not use parts for the proper and original purpose.

*Please work in a place well ventilated and equipped with a fire extinguisher.

If you work near flammable things, it may cause fire.

*After parts installation, please start the engine and check the fuel leakage around the replaced parts.

If fuel leaks, it may cause an accident or fire.

Car Name	Year	ENG. Model	Car Model Description	REFERENCE No.	HITACHI APS PARTS No.
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FIAT

BRAVO

BRAVO 1.4	2007/04 ~	192 B 2.000		551933550	HST-114943A
				551933560	HST-114943A
				51890631	HST-114943A

DOBLO

DOBLO 1.4	2005/10 ~	350 A 1.000	119	551933550	HST-114943A
				551933560	HST-114943A
				51890631	HST-114943A

DOBLO Cargo

DOBLO Cargo 1.4	2005/10 ~	350 A 1.000	223	551933550	HST-114943A
				551933560	HST-114943A
				51890631	HST-114943A

GRANDE PUNTO

GRANDE PUNTO	2005/10 ~	199 A 4.000	199	551933550	HST-114943A
				551933560	HST-114943A
				51890631	HST-114943A
GRANDE PUNTO	2005/10 ~	350 A 1.000	199	551933550	HST-114943A
				551933560	HST-114943A
				51890631	HST-114943A
GRANDE PUNTO 1.4 16V	2005/10 ~	199 A 6.000	199	551933550	HST-114943A
				551933560	HST-114943A
				51890631	HST-114943A

IDEA

IDEA 1.2 16V	2004/01 ~	188 A 5.000		551933550	HST-114943A
				551933560	HST-114943A
				51890631	HST-114943A
IDEA 1.4 16V	2004/01 ~	843 A 1.000		551933550	HST-114943A
				551933560	HST-114943A
				51890631	HST-114943A
IDEA 1.4	2005/10 ~	350 A 1.000		551933550	HST-114943A
				551933560	HST-114943A
				51890631	HST-114943A

PANDA

PANDA 1.2	2003/09 ~	188 A 4.000	169	551933550	HST-114943A
				551933560	HST-114943A
				51890631	HST-114943A
PANDA 1.4	2006/10 ~	169 A 3.000	169	551933550	HST-114943A
				551933560	HST-114943A
				51890631	HST-114943A

PUNTO

PUNTO 1.4	2003/09 ~	843 A 1.000	188	551933550	HST-114943A
				551933560	HST-114943A
				51890631	HST-114943A

* Others (non application)

-			Fiat	51832951	HST-114947A
-			Fiat	51832952	HST-114948A
-			Fiat	51890633	HST-114949A
-			Fiat	551950300	HST-114903A

HONDA

CIVIC IV EU/EP/ES Series

CIVIC IV EU/EP/ES Series	2002/01 ~ 2005/09	4EE-2		897386-0620	HST-114869
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ISUZU

MIDI Bus

MIDI Bus 2.2 D 4WD	1989/01 ~	4FD1	94000	581100-0801	HST-1328
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MIDI Van

MIDI Van 2.0 TD	1989/01 ~	4FC1T	98000	581100-0801	HST-1328
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Car Name	Year	ENG. Model	Car Model Description	REFERENCE No.	HITACHI APS PARTS No.
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ISUZU

N-Serie

N-Serie
NKR69S,NPR69M,NP R69L 1998/01 ~ 2001/12 894333-4380 HST-2403C

N-Serie
NMR85L,NPR85L 2006/10 ~ 4JJ1-X 894333-4380 HST-2403C

TROOPER Open Off-Road Vehicle

TROOPER Open Off-Road Vehicle 1984/03 ~ 1991/12 C223T UBS52 581100-0801 HST-1328

TROOPER Open Off-Road Vehicle 1984/03 ~ 1991/12 C223T UBS52 894453-2120 HST-1382B

* Others (non application)

-	ISUZU	581100-1921	HST-114385
-	ISUZU	581100-1992	HST-114338A
-	ISUZU	894133-3381	HST-114429A
-	ISUZU	894469-4961	HST-13121
-	ISUZU	894469-4963	HST-13321
-	ISUZU	897084-8770	HST-13136
-	ISUZU	897150-2040	HST-114808
-	ISUZU	897172-2112	HST-25501B
-	ISUZU	897228-6640	HST-13211
-	ISUZU	897255-3901	HST-13514
-	ISUZU	897323-4370	HST-14210A
-	ISUZU	897323-9352	HST-25505G
-	ISUZU	898009-0431	HST-25511A
-	ISUZU	898014-7432	HST-114925B
-	ISUZU	898054-9840	HST-25501C
-	ISUZU	898055-2791	HST-25515A
-	ISUZU	185086321	HST-114381
-	ISUZU	897128-7470	HST-13282
-	ISUZU	581100-1292	HST-25121A

LANCIA

MUSA

MUSA 1.4 2004/10 ~ 843 A 1.000 551933550 HST-114943A
551933560 HST-114943A

51890631 HST-114943A

MUSA 1.4 2005/09 ~ 350 A 1.000 551933550 HST-114943A

551933560 HST-114943A

51890631 HST-114943A

YPSILON

YPSILON 1.2 2003/10 ~ 188 A 4.000 551933550 HST-114943A

551933560 HST-114943A

51890631 HST-114943A

YPSILON 1.2 2003/10 ~ 188 A 5.000 551933550 HST-114943A

551933560 HST-114943A

51890631 HST-114943A

YPSILON 1.4 1.6V 2003/10 ~ 843 A 1.000 551933550 HST-114943A

551933560 HST-114943A

51890631 HST-114943A

YPSILON 1.4 2006/02 ~ 350 A 1.000 551933550 HST-114943A

551933560 HST-114943A

51890631 HST-114943A

NISSAN

200SX S14 Series

200SX 2.0 1998/08 ~ SR20DET 23300-80F00 HST-114827

300ZX Z31 Series

300ZX 3.0 1984/01 ~ 1987/02 VG30 23300-V5302 HST-114374B

300ZX 3.0 1984/01 ~ 1987/02 VG30T 23300-V5302 HST-114374B

350Z Z33 Series

350Z 3.5 2007/05 ~ VQ35HR 23300-EV10B HST-114928A

370Z Z34 Series

370Z 3.7 2009/04 ~ VQ37VHR 23300-EY00A HST-114932ASH

23300-EY00C HST-114932ASH

Car Name	Year	ENG. Model	Car Model Description	REFERENCE No.	HITACHI APS PARTS No.
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NISSAN

ALMERA N15 Series

ALMERA 1.6	1995/07 ~	GA16DE	AT	23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
				23300-0M30A	HST-114800C

ALMERA JPN MAKE N16 Series

ALMERA JPN MAKE 1.5	2000/04 ~ 2000/12	QG15DE		23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
				23300-0M30A	HST-114800C

ALMERA JPN MAKE 1.8	2000/04 ~ 2001/03	QG18DE		23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
				23300-0M30A	HST-114800C

ALMERA TINO V10M Series

ALMERA TINO 1.8	2000/05 ~ 2003/02	QG18DE		23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
				23300-0M30A	HST-114800C

ALMERA TINO 1.8	2003/02 ~	QG18DE	AT	23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
				23300-0M30A	HST-114800C

ALMERA TINO 1.8	2003/02 ~	QG18DE	F5	23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
				23300-0M30A	HST-114800C

ALMERA UK MAKE N16E Series (to be continued)

ALMERA UK MAKE 1.5	2000/01 ~ 2001/03	QG15DE		23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
				23300-0M30A	HST-114800C

ALMERA UK MAKE 1.5	2000/01 ~	QG15DE		23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
				23300-0M30A	HST-114800C

ALMERA UK MAKE 1.8	2000/01 ~ 2001/03	QG18DE	F5	23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
				23300-0M30A	HST-114800C

Car Name	Year	ENG. Model	Car Model Description	REFERENCE No.	HITACHI APS PARTS No.
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NISSAN

ALMERA UK MAKE N16E Series

ALMERA UK MAKE 1.8	2000/01 ~	QG18DE	F5	23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
ALMERA UK MAKE 1.5	2000/01 ~	QG18DE	AT	23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
				23300-0M30A	HST-114800C

CABSTAR F22 Series

CABSTAR 2.5	1986/02 ~ 1987/02	SD25		23300-83W00	HST-13104
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CABSTAR F23 Series

CABSTAR 2.0	1992/07 ~ 1994/05	NA20S		23300-G8400	HST-114527B
				23300-G8401	HST-114527B

CABSTAR F24M Series

CABSTAR 3.0	2006/09 ~	ZD30DDTI		23300-MA70B	HST-13559B
				23300-MA70C	HST-13559B

MAXIMA A32 Series

MAXIMA 2.0	1994/10 ~	VQ20DE		23300-31U01	HST-114801E
				23300-31U02	HST-114801E
				23300-2Y900	HST-114801E
				23300-2Y90A	HST-114801E
MAXIMA 3.0	1994/10 ~	VQ30DE		23300-31U01	HST-114801E
				23300-31U02	HST-114801E
				23300-2Y900	HST-114801E
				23300-2Y90A	HST-114801E

MAXIMA CA33 Series

MAXIMA 2.0	2000/01 ~	VQ20DE		23300-31U01	HST-114801E
				23300-31U02	HST-114801E
				23300-2Y900	HST-114801E
				23300-2Y90A	HST-114801E
MAXIMA 3.0	2000/01 ~	VQ30DE		23300-31U01	HST-114801E
				23300-31U02	HST-114801E
				23300-2Y900	HST-114801E
				23300-2Y90A	HST-114801E

KING CAB D21 Series

KING CAB 2.4	1987/10 ~ 1992/04	Z24		23300-18C65	HST-114459
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KING CAB D22 Series

KING CAB 2.5	1998/02 ~ 2001/11	TD25		23300-54T00	HST-13327A
				23300-6T001	HST-13327A
				23300-6T00A	HST-13327A
KING CAB 2.5	1998/05 ~ 2001/11	TD25TI		23300-54T00	HST-13327A
				23300-6T001	HST-13327A
				23300-6T00A	HST-13327A

LAUREL C32 Series

LAUREL 2.4	1985/01 ~	L24E		23300-Y0701	HST-114173F
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PATROL(GR) Y60 Series

PATROL(GR) 4.2	1991/10 ~ 1993/08	TB42E		23300-37J00	HST-114471A
PATROL(GR) 4.2	1991/10 ~ 1993/08	TB42E	HITACHI F/STARTER-HI PWR	23300-37J05	HST-114472A
				23300-37J05	HST-114472A

PATROL(GR) Y61 Series (to be continued)

PATROL(GR) 2.8	1997/10 ~ 2000/02	RD28TI		23300-VB300	HST-13502A
PATROL(GR) 4.8	2002/10 ~	TB48DE		23300-VC201	HST-114878B
				23300-VC20A	HST-114878B
PATROL(GR) 3.0	2000/02 ~ 2006/12	ZD30DDTI	5P	23300-VC101	HST-13551C
				23300-VC10A	HST-13551C
				23300-VC10B	HST-13551C

Car Name	Year	ENG. Model	Car Model Description	REFERENCE No.	HITACHI APS PARTS No.
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NISSAN

PATROL(GR) Y61 Series

PATROL(GR) 3.0	2000/02 ~ 2006/12	ZD30DDTI	5P	23300-VC111	HST-14407C
				23300-VC11A	HST-14407C
				23300-VC11B	HST-14407C
PATROL(GR) 3.0	2000/02 ~ 2006/12	ZD30DDTI	2P	23300-VC111	HST-14407C
				23300-VC11A	HST-14407C
				23300-VC11B	HST-14407C
PATROL(GR) 3.0	2000/02 ~ 2006/12	ZD30DDTI	5P	23300-VC111	HST-14407C
				23300-VC11A	HST-14407C
				23300-VC11B	HST-14407C
PATROL(GR) 3.0	2006/12 ~	ZD30DDTI	5P	23300-VC111	HST-14407C
				23300-VC11A	HST-14407C
				23300-VC11B	HST-14407C
PATROL(GR) 3.0	2006/12 ~	ZD30DDTI		23300-VS40A	HST-13562B
				23300-VS40B	HST-13562B

PICK UP Series

PICK UP 2.3 D	1983/04 ~ 1986/03	SD23		894453-2120	HST-1382B
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PRIMERA P10E Series

PRIMERA 2.0	1991/01 ~ 1993/05	CD20		23300-54A01	HST-1305A
				23300-54A05	HST-1305A
				23300-54A06	HST-1305A
PRIMERA 2.0	1993/05 ~	CD20	2WD	23300-54A01	HST-1305A
				23300-54A05	HST-1305A
				23300-54A06	HST-1305A

PRIMERA P11E Series

PRIMERA 1.6	1996/06 ~ 1999/06	GA16DE		23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
PRIMERA 1.6	1999/06 ~	GA16DE	F5	23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
PRIMERA 1.8	1999/06 ~	QG18DE	F5	23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
PRIMERA 2.0	2001/05 ~	SR20DE	CVT/MCVT	23300-0M30A	HST-114800C
				23300-5J201	HST-114818A

PRIMERA P12E Series

PRIMERA 1.6	2001/12 ~	QG16DE		23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
PRIMERA 1.8	2001/12 ~	QG18DE		23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
PRIMERA 2.0	2007/01 ~	QR20DE	MCVT	23300-6N200	HST-114840A
				23300-6N20A	HST-114840A
PRIMERA 2.0	2007/01 ~	QR20DE	MCVT	23300-6N205	HST-114876A
				23300-6N20B	HST-114876A

PRIMERA WAGON W10 Series (to be continued)

PRIMERA WAGON 2.0	1990/07 ~ 1996/04	CD20		23300-54A01	HST-1305A
				23300-54A05	HST-1305A
				23300-54A06	HST-1305A

Car Name	Year	ENG. Model	Car Model Description	REFERENCE No.	HITACHI APS PARTS No.
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NISSAN

PRIMERA WAGON W10 Series

PRIMERA WAGON 1.6	1995/01 ~ 1996/04	GA16DE		23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
				23300-0M30A	HST-114800C
PRIMERA WAGON 1.6	1996/04 ~	GA16DE		23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
				23300-0M30A	HST-114800C

PRIMERA WAGON WP11E Series

PRIMERA WAGON 1.6	1998/01 ~ 1999/06	GA16DE		23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
				23300-0M30A	HST-114800C
PRIMERA WAGON 1.6	1999/06 ~	GA16DE		23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
				23300-0M30A	HST-114800C
PRIMERA WAGON 1.8	1999/06 ~	QG18DE		23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
				23300-0M30A	HST-114800C
PRIMERA WAGON 2.0	2001/05 ~	SR20DE	CVT/MCVT	23300-5J201	HST-114818A

QASHQAI J10E Series

QASHQAI 2.0	2007/01 ~	MR20DE		23300-EN20A	HST-114902BSH
				23300-EN20B	HST-114902B

QASHQAI+2 JJ10E Series

QASHQAI+2 2.0	2008/08 ~	MR20DE		23300-EN20A	HST-114902BSH
				23300-EN20B	HST-114902B

SAFARI 160 Series

SAFARI 2.8	1979/11 ~	L28		23300-Y0701	HST-114173F
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SUNNY B12 Series

SUNNY 1.7	1988/10 ~	CD17		23300-54A01	HST-1305A
				23300-54A05	HST-1305A
				23300-54A06	HST-1305A

SUNNY N14 Series

SUNNY 2.0	1990/10 ~ 1992/10	CD20	2WD	23300-54A01	HST-1305A
				23300-54A05	HST-1305A
				23300-54A06	HST-1305A
SUNNY 2.0	1992/10 ~	CD20	4 DOOR SEDAN 2WD	23300-54A01	HST-1305A
				23300-54A05	HST-1305A
				23300-54A06	HST-1305A
SUNNY 2.0	1992/10 ~	CD20	5 DOOR HATCH BACK 2WD	23300-54A01	HST-1305A
				23300-54A05	HST-1305A
				23300-54A06	HST-1305A
SUNNY 2.0	1992/10 ~	CD20	3 DOOR HATCH BACK	23300-54A01	HST-1305A
				23300-54A05	HST-1305A
				23300-54A06	HST-1305A

SUNNY WAGON Y10 Series (to be continued)

SUNNY WAGON 2.0	1990/11 ~ 1995/07	CD20	WAGON	23300-54A01	HST-1305A
				23300-54A05	HST-1305A
				23300-54A06	HST-1305A

Car Name	Year	ENG. Model	Car Model Description	REFERENCE No.	HITACHI APS PARTS No.
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NISSAN

SUNNY WAGON Y10 Series

SUNNY WAGON 1.7	1992/05 ~ 1995/07	CD17	VAN	23300-54A01	HST-1305A
				23300-54A05	HST-1305A
				23300-54A06	HST-1305A
SUNNY WAGON 1.6	1995/07 ~ 1998/04	GA16DE	VAN	23300-81N00	HST-114800C
				23300-81N01	HST-114800C
				23300-0M300	HST-114800C
				23300-0M301	HST-114800C
				23300-0M302	HST-114800C
				23300-0M30A	HST-114800C

TEANA J31 Series

TEANA 2.0	2006/04 ~	QR20DE		23300-8H300	HST-114844A
				23300-8H30A	HST-114844A

TEANA J32 Series

TEANA 2.5	2008/02 ~	VQ25DE		23300-JN00A	HST-114936A
				23300-JN00B	HST-114936A

TEANA RUS MAKE J32R Series

TEANA RUS MAKE 2.5	2009/06 ~	VQ25DE		23300-JN00A	HST-114936A
				23300-JN00B	HST-114936A

TERRAN2 R20 Series

TERRAN2 2.7	1999/03 ~	TD27TI		23300-54T00	HST-13327A
				23300-6T001	HST-13327A
				23300-6T00A	HST-13327A

TIIDA C11X Series

TIIDA 1.8	2007/03 ~	MR18DE		23300-EN20A	HST-114902BSH
				23300-EN20B	HST-114902B

TIIDA SEDAN SC11X Series

TIIDA SEDAN 1.8	2007/02 ~	MR18DE		23300-EN20A	HST-114902BSH
				23300-EN20B	HST-114902B

URVAN E23 Series

URVAN 2.3	1982/11 ~ 1987/05	SD23	URVAN Box 2.3 D	894453-2120	HST-1382B
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VANETTE C120 Series

VANETTE 1.5	1984/05 ~	A15		23300-H7302	HST-114160G
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VANETTE CG22 Series

VANETTE 1.5	1986/09 ~ 1990/05	A15S		23300-H7302	HST-114160G
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VANETTE GC22 Series

VANETTE 2.0	1986/09 ~ 1988/07	Z20S		23300-18C65	HST-114459
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X-TRAIL JPNMAKE T31 Series

X-TRAIL JPNMAKE 2.0	2007/03 ~	MR20DE		23300-EN20A	HST-114902BSH
				23300-EN20B	HST-114902B

X-TRAIL T30 Series

X-TRAIL 2.0	2001/06 ~	QR20DE	AT	23300-8H300	HST-114844A
				23300-8H30A	HST-114844A
X-TRAIL 2.5	2002/09 ~	QR25DE	AT	23300-8H300	HST-114844A
				23300-8H30A	HST-114844A

* Others (non application) (to be continued)

-			NISSAN	23300-06J03	HST-13118A
-			NISSAN	23300-06J04	HST-25158B
-			NISSAN	23300-0Y001	HST-13302C
-			NISSAN	23300-0Y005	HST-13302A
-			NISSAN	23300-0Y006	HST-13302C
-			NISSAN	23300-1S900	HST-13326
-			NISSAN	23300-1W400	HST-14205
-			NISSAN	23300-20P01	HST-114505A
-			NISSAN	23300-29D01	HST-1505B
-			NISSAN	23300-2T710	HST-2405B
-			NISSAN	23300-2W20B	HST-13527D
-			NISSAN	23300-2W21B	HST-14405D
-			NISSAN	23300-34T00	HST-25160
-			NISSAN	23300-3M005	HST-13529
-			NISSAN	23300-65F01	HST-114705E
-			NISSAN	23300-65N51	HST-13307A
-			NISSAN	23300-66N00	HST-114465C

Car Name	Year	ENG. Model	Car Model Description	REFERENCE No.	HITACHI APS PARTS No.
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NISSAN

* Others (non application)					
-			NISSAN	23300-6J901	HST-114874
-			NISSAN	23300-6K200	HST-13213
-			NISSAN	23300-6N160	HST-114841
-			NISSAN	23300-73C01	HST-114569B
-			NISSAN	23300-73Y00	HST-114570B
-			NISSAN	23300-73Y01	HST-114570B
-			NISSAN	23300-75W00	HST-114681
-			NISSAN	23300-8H600	HST-114843
-			NISSAN	23300-CG00A	HST-114881A
-			NISSAN	23300-CK800	HST-114922
-			NISSAN	23300-DB000	HST-13556A
-			NISSAN	23300-DB00A	HST-13556A
-			NISSAN	23300-JK20A	HST-114927
-			NISSAN	23300-JK20B	HST-114927BSH
-			NISSAN	23300-JK20C	HST-114927BSH
-			NISSAN	23300-L1123	HST-114442A
-			NISSAN	23300-M8202	HST-114568A
-			NISSAN	23300-MA71C	HST-13563B
-			NISSAN	23300-VW201	HST-13553A
-			NISSAN	23300-VW20B	HST-13553C
-			NISSAN	23300-VW21B	HST-14408C
-			NISSAN	23300-W0403	HST-114348A
-			NISSAN	23300-ZJ60A	HST-114944
-			NISSAN	23300-05D01	HST-11402
-			NISSAN	23300-73C01	HST-114569B
-			NISSAN	23300-18C03	HST-114607C
-			NISSAN	23300-2J206	HST-114805A
-			NISSAN	23300-4M801	HST-114831A
-			NISSAN	23300-AL600	HST-114847
-			NISSAN	23300-4J606	HST-114871
-			NISSAN	23300-AM60A	HST-114880A
-			NISSAN	23300-90068	HST-2411
-			NISSAN	23300-T9010	HST-25302
-			NISSAN	23300-0T014	HST-25303A

OPEL

ASTRA F Estate					
ASTRA F Estate 1.7 TDS	1991/12 ~ 1998/01	17 DT (TC4EE1),X 17	51_/52_	897150-2042	HST-114808B
ASTRA F Hatchback					
ASTRA F Hatchback 1.7 TDS	1991/12 ~ 1998/01	17 DT (TC4EE1),X 17	53_/54_/58_/59_	897150-2042	HST-114808B
ASTRA F Estate 1.7 TDS	1992/03 ~ 1998/09	17 DT (TC4EE1),X 17	56_/57_	897150-2042	HST-114808B
ASTRA G Estate					
ASTRA G Estate 1.7 DTI 16V	2000/02 ~ 2004/07	Y 17 DT	F35_	897386-0620	HST-114869
ASTRA G Hatchback					
ASTRA G Hatchback 1.7 DTI 16V	2000/02 ~ 2005/01	Y 17 DT	F48_/F08_	897386-0620	HST-114869
ASTRA G Saloon					
ASTRA G Saloon 1.7 DTI 1.7 DTI 16V	2000/02 ~ 2005/01	Y 17 DT	F69_	897386-0620	HST-114869
ASTRA G Estate 1.7 CDTI	2003/04 ~ 2004/07	Z 17 DTL	F35_	897386-0620	HST-114869
ASTRA G Hatchback 1.7 CDTI	2003/04 ~ 2005/01	Z 17 DTL	F48_/F08_	897386-0620	HST-114869
ASTRA G Saloon 1.7 DTI 1.7 CDTI	2003/04 ~ 2005/01	Z 17 DTL	F69_	897386-0620	HST-114869
ASTRA H					
ASTRA H 1.7 CDTI	2004/03 ~	Z 17 DTH		897386-0620	HST-114869
ASTRA H 1.7 CDTI	2004/03 ~	Z 17 DTL		897386-0620	HST-114869
ASTRA H 1.7 CDTI	2007/02 ~	A 17 DTR		897386-0620	HST-114869
ASTRA H 1.7 CDTI	2007/02 ~	Z 17 DTR		897386-0620	HST-114869

Car Name	Year	ENG. Model	Car Model Description	REFERENCE No.	HITACHI APS PARTS No.
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OPEL

ASTRA H Estate

ASTRA H Estate 1.7 CDTI	2004/08 ~	Z 17 DTH		897386-0620	HST-114869
ASTRA H Estate 1.7 CDTI	2004/08 ~	Z 17 DTL		897386-0620	HST-114869
ASTRA H Estate 1.7 CDTI	2007/02 ~	A 17 DTR		897386-0620	HST-114869
ASTRA H Estate 1.7 CDTI	2007/02 ~	A 17 DTR		897386-0620	HST-114869

ASTRA H GTC

ASTRA H GTC 1.7 CDTi	2005/03 ~	Z 17 DTH		897386-0620	HST-114869
ASTRA H GTC 1.7 CDTI	2005/03 ~	Z 17 DTH		897386-0620	HST-114869
ASTRA H GTC 1.7 CDTI	2007/02 ~	A 17 DTR		897386-0620	HST-114869
ASTRA H GTC 1.7 CDTI	2007/02 ~	A 17 DTR		897386-0620	HST-114869

ASTRA J

ASTRA J 1.7 CDTI	2009/12 ~	A 17 DTR		897386-0620	HST-114869
ASTRA J 1.7 CDTI	2009/12 ~	A 17 DTJ		897386-0620	HST-114869

CAMPO

CAMPO 2.2 D	1986/04 ~ 1990/12	C223	KBD27	894453-2120	HST-1382B
CAMPO 2.2 D	1991/08 ~ 1996/09	C223	TFR52	581100-0801	HST-1328
CAMPO 2.2 D 4x4	1991/08 ~ 1996/09	C223	TFS52	581100-0801	HST-1328
CAMPO 2.2 D	1991/08 ~ 1996/09	C223	TFR52	894453-2120	HST-1382B
CAMPO 2.2 D 4x4	1991/08 ~ 1996/09	C223	TFS52	894453-2120	HST-1382B

COMBO

COMBO 1.7 D	1994/07 ~ 2001/10	17 D (4EE1),X 17 D(4EE1)	71_	897133-3692	HST-114850C
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COMBO Box Body/Estate

COMBO Box Body/Estate 1.7 DI 16V	2001/10 ~	Y 17 DT		897386-0620	HST-114869
COMBO Box Body/Estate	2001/10 ~	Y 17 DT		897386-0620	HST-114869

COMBO Tour

COMBO Tour DT	2001/10 ~	Y 17 DTL		897386-0620	HST-114869
COMBO Tour DTI	2001/10 ~	Y 17 DT		897386-0620	HST-114869
COMBO Box Body/Estate	2004/12 ~	Z 17 DTH		897386-0620	HST-114869
COMBO Tour CDTI 16V	2004/12 ~	Z 17 DTH		897386-0620	HST-114869

CORSA A Hatchback

CORSA A Hatchback 1.5 TD	1988/03 ~ 1993/03	15 DT (T4EC1)	93_,94_,98_,99_	897133-3692	HST-114850C
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CORSA B

CORSA B 1.5 D	1993/03 ~ 2000/09	15D (4EC1)	73_,78_,79_	897133-3692	HST-114850C
CORSA B 1.5 TD	1993/03 ~ 2000/09	15 DT (T4EC1),X 15 DT (T4EC1)	73_,78_,79_	897133-3692	HST-114850C
CORSA B 1.7 D	1996/02 ~ 2000/09	17 D (4EE1),X 17 D (4EE1)	73_,78_,79_	897133-3692	HST-114850C

CORSA B Box

CORSA B Box 1.7 D	1999/08 ~ 2000/09	17 D (4EE1),X 17 D (4EE1)	73_	897133-3692	HST-114850C
COMBO Tour DI	2000/09 ~	Y 17 DTL	F08/W5L	897386-0620	HST-114869

CORSA C

CORSA C 1.7 DI	2000/09 ~	Y 17 DTL	F08/F68	897386-0620	HST-114869
CORSA C 1.7 DTI	2000/09 ~	Y 17 DT	F08/F68	897386-0620	HST-114869

CORSA C Box

CORSA C Box 1.7 DTI 16V	2000/09 ~	Y 17 DT	F08/W5L	897386-0620	HST-114869
CORSA C 1.7 CDTI	2003/06 ~	Z 17 DTH	F08/F68	897386-0620	HST-114869
CORSA C Box 1.7 CDTi	2003/08 ~	Z 17 DTH	F08/W5L	897386-0620	HST-114869

Car Name	Year	ENG. Model	Car Model Description	REFERENCE No.	HITACHI APS PARTS No.
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OPEL

CORSA D					
CORSA D 1.7 CDTI	2006/07 ~	Z 17 DTR		897386-0620	HST-114869
KADETT E					
KADETT E 1.5 TD	1988/07 ~ 1991/08	15 DT (T4EC1)	39_49	897133-3692	HST-114850C
KADETT E Estate					
KADETT E Estate 1.5 TD	1988/07 ~ 1991/08	15 DT (T4EC1)	35_36_45_46_	897133-3692	HST-114850C
KADETT E Hatchback					
KADETT E Hatchback 1.5 TD	1988/07 ~ 1991/08	15 DT (T4EC1)	33_34_43_44_	897133-3692	HST-114850C
MERIVA					
MERIVA 1.7 CDTI	2003/09 ~	Z 17 DTH		897386-0620	HST-114869
MERIVA 1.7 DTI	2003/09 ~	Y 17 DT		897386-0620	HST-114869
MERIVA 1.7 CDTI	2006/09 ~	A 17 DTR ,Z 17 DTR		897386-0620	HST-114869
VECTRA B					
VECTRA B 1.7 TD	1995/10 ~ 1998/12	X 17 DT	36_	897150-2042	HST-114808B
VECTRA B Hatchback					
VECTRA B Hatchback 1.7 TD	1995/10 ~ 1998/12	X 17 DT (TC4EE1)	38_	897150-2042	HST-114808B
ZAFIRA					
ZAFIRA 1.7 CDTI	2008/01 ~	A 17 DTR		897386-0620	HST-114869
ZAFIRA 1.7 CDTI	2008/01 ~	A 17 DTJ ,Z 17 DTJ		897386-0620	HST-114869
* Others (non application)					
-		OPEL		55556130	HST-114907A
-		OPEL		555561300	HST-114907
-		OPEL		897150-2040	HST-114808

Renault

* Others (non application)					
-		Renault		23300-Z5515	HST-25164A
-		Renault		820071-8435	HST-114887
-		Renault		820073-0713	HST-114877C

SUBARU

* Others (non application)					
-		SUBARU		25570-50200	HST-114665
-		SUBARU		23570-50100	HST-108101
-		SUBARU		24670-50100	HST-108113
-		SUBARU		21070-50210	HST-114213A
-		SUBARU		23300-KA512	HST-114435G

VAUXHALL

ASTRA Mk IV					
ASTRA Mk IV 1.7 DTI 16V	2000/02 ~	Y 17 DT		897386-0620	HST-114869
ASTRA Mk IV Estate					
ASTRA Mk IV Estate 1.7 DTI 16V	2000/02 ~	Y 17 DT		897386-0620	HST-114869
ASTRA Mk IV Hatchback					
ASTRA Mk IV Hatchback 1.7 DTI 16V	2000/02 ~	Y 17 DT		897386-0620	HST-114869
ASTRA Mk IV 1.7 CDTI 16V	2003/04 ~	Z 17 DTL		897386-0620	HST-114869
ASTRA Mk IV Estate 1.7 CDTI 16V	2003/04 ~	Z 17 DTL		897386-0620	HST-114869
ASTRA Mk IV Hatchback	2003/04 ~	Z 17 DTL		897386-0620	HST-114869

Car Name	Year	ENG. Model	Car Model Description	REFERENCE No.	HITACHI APS PARTS No.
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VAUXHALL

ASTRA Mk V Hatchback

ASTRA Mk V Hatchback 1.7 CDTI	2004/03 ~	Z 17 DTH		897386-0620	HST-114869
ASTRA Mk V Hatchback 1.7 CDTI	2004/03 ~	Z 17 DTL		897386-0620	HST-114869

ASTRAVAN Mk IV

ASTRAVAN Mk IV 1.7 CDTI	2004/04 ~	Z 17 DTL		897386-0620	HST-114869
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ASTRA Mk V Estate

ASTRA Mk V Estate 1.7 CDTI	2004/08 ~	Z 17 DTH		897386-0620	HST-114869
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ASTRA Mk V Sport Hatch

ASTRA Mk V Sport Hatch 1.7 CDTi	2005/02 ~	Z 17 DTH		897386-0620	HST-114869
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COMBO

COMBO 1.7 D	1994/07 ~ 2001/10	17 D (4EE1),X 17 D (4EE1)		897133-3692	HST-114850C
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CORSA Mk II

CORSA Mk II DI	2000/09 ~	Y 17 DTL		897386-0620	HST-114869
CORSA Mk II DTI 16V	2000/09 ~	Y 17 DT		897386-0620	HST-114869
COMBO 1.7 DI 16V	2001/09 ~	Y 17 DTL		897386-0620	HST-114869
COMBO DTI 16V	2001/10 ~	Y 17 DT		897386-0620	HST-114869
COMBO 1.7 CDTI	2004/12 ~	Z 17 DTH		897386-0620	HST-114869

CORSA Mk III

CORSA Mk III CDTI	2006/07 ~	A 17 DTR		897386-0620	HST-114869
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CORSA

CORSA 1.5 D	1993/03 ~ 2000/09	15 D		897133-3692	HST-114850C
CORSA 1.5 TD	1993/03 ~ 1996/10	15 DT (T4EC1),X 15 DT (T4EC1)		897133-3692	HST-114850C
CORSA 1.7 D	1996/02 ~ 2000/09	17 D (4EE1),X 17 D (4EE1)		897133-3692	HST-114850C
CORSA Mk II CDTI 16V	2004/04 ~	Z 17 DTH		897386-0620	HST-114869

CORSAVAN

CORSAVAN 1.7 D	1994/01 ~ 2000/09	17 D (4EE1),X 17 D (4EE1)		897133-3692	HST-114850C
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CORSAVAN Mk II

CORSAVAN Mk II 1.7 DI 16V	2000/09 ~	Y 17 DTL		897386-0620	HST-114869
CORSAVAN Mk II DTI 16V	2000/09 ~	Y 17 DT		897386-0620	HST-114869
MERIVA 1.7 CDTI	2004/04 ~	Z 17 DTH		897386-0620	HST-114869

NOVA

NOVA 1.5 TD	1990/01 ~ 1993/02	15 DT (T4EC1)		897133-3692	HST-114850C
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NOVA Hatchback

NOVA Hatchback 1.5 TD	1990/01 ~ 1993/03	15 DT (T4EC1)		897133-3692	HST-114850C
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VECTRA

VECTRA 1.7 TD	1995/10 ~ 1996/11	X 17 DT		897150-2042	HST-114808B
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VECTRA Hatchback

VECTRA Hatchback 1.7 TD	1995/10 ~ 1996/11	X 17 DT (TC4EE1)		897150-2042	HST-114808B
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Car Name	Year	ENG. Model	Car Model Description	REFERENCE No.	HITACHI APS PARTS No.
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Volkswagen

BORA

BORA 2.3 V5 4motion	2000/01 ~ 2005/05	AQN	1J2	09A911023	HST-114876A
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BORA Estate

BORA Estate 2.3 V5 4motion	2000/01 ~ 2005/05	AQN	1J6	09A911023	HST-114876A
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BORA 1.8 T	2000/05 ~ 2005/05	AGU,ARX,AUM,B AE	1J2	09A911023	HST-114876A
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BORA Estate 1.8 T	2000/05 ~ 2005/05	AGU,ARX,AUM	1J6	09A911023	HST-114876A
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SHARAN

SHARAN 1.8 T 20V	1997/09 ~	AJH,AWC	7M8/7M9/7M6	09A911023	HST-114876A
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Parts No. Comparison of Starter

REFERENCE No.and HITACHI APS PARTS No.

Car Manufacturers	REFERENCE No.	HITACHI APS PARTS No.	Car Manufacturers	REFERENCE No.	HITACHI APS PARTS No.	
Fiat	51832951	HST-114947A	NISSAN	23300-54T00	HST-13327A	
	51832952	HST-114948A		23300-5J201	HST-114818A	
	51890631	HST-114943A		23300-65F01	HST-114705E	
	51890633	HST-114949A		23300-65N51	HST-13307A	
	551933550	HST-114943A		23300-66N00	HST-114465C	
	551933560			23300-6J901	HST-114874	
	551950300	HST-114903A		23300-6K200	HST-13213	
HONDA	897386-0620	HST-114869		23300-6N160	HST-114841	
ISUZU	185086321	HST-114381		23300-6N200	HST-114840A	
	581100-0801	HST-1328		23300-6N205	HST-114876A	
	581100-1292	HST-25121A		23300-6N20A	HST-114840A	
	581100-1921	HST-114385		23300-6N20B	HST-114876A	
	581100-1992	HST-114338A		23300-6T001	HST-13327A	
	894133-3381	HST-114429A		23300-6T00A		
	894333-4380	HST-2403C		23300-73C01	HST-114569B	
	894453-2120	HST-1382B		23300-73C01		
	894469-4961	HST-13121		23300-73Y00	HST-114570B	
	894469-4963	HST-13321		23300-73Y01		
	897084-8770	HST-13136		23300-75W00	HST-114681	
	897128-7470	HST-13282		23300-80F00	HST-114827	
	897150-2040	HST-114808		23300-81N00	HST-114800C	
	897172-2112	HST-25501B		23300-81N01		
	897228-6640	HST-13211		23300-83W00	HST-13104	
	897255-3901	HST-13514		23300-8H300	HST-114844A	
	897323-4370	HST-14210A		23300-8H30A		
	897323-9352	HST-25505G		23300-8H600	HST-114843	
	898009-0431	HST-25511A		23300-90068	HST-2411	
	898014-7432	HST-114925B		23300-AL600	HST-114847	
	898054-9840	HST-25501C		23300-AM60A	HST-114880A	
	898055-2791	HST-25515A		23300-CG00A	HST-114881A	
	LANCIA	51890631		HST-114943A	23300-CK800	HST-114922
		551933550			23300-DB000	HST-13556A
		551933560			23300-DB00A	
	NISSAN	23300-05D01		HST-11402	23300-EN20A	HST-114902BSH
23300-06J03		HST-13118A		23300-EN20B	HST-114902B	
23300-06J04		HST-25158B		23300-EV10B	HST-114928A	
23300-0M300		HST-114800C		23300-EY00A	HST-114932ASH	
23300-0M301				23300-EY00C		
23300-0M302				23300-G8400	HST-114527B	
23300-0M30A				23300-G8401		
23300-0T014		HST-25303A	23300-H7302	HST-114160G		
23300-0Y001		HST-13302C	23300-JK20A	HST-114927		
23300-0Y005		HST-13302A	23300-JK20B	HST-114927BSH		
23300-0Y006		HST-13302C	23300-JK20C			
23300-18C03		HST-114607C	23300-JN00A	HST-114936A		
23300-18C65		HST-114459	23300-JN00B			
23300-1S900		HST-13326	23300-L1123	HST-114442A		
23300-1W400		HST-14205	23300-M8202	HST-114568A		
23300-20P01		HST-114505A	23300-MA70B	HST-13559B		
23300-29D01		HST-1505B	23300-MA70C			
23300-2J206		HST-114805A	23300-MA71C	HST-13563B		
23300-2T710		HST-2405B	23300-T9010	HST-25302		
23300-2W20B		HST-13527D	23300-V5302	HST-114374B		
23300-2W21B		HST-14405D	23300-VB300	HST-13502A		
23300-2Y900		HST-114801E	23300-VC101	HST-13551C		
23300-2Y90A			23300-VC10A			
23300-31U01			23300-VC10B			
23300-31U02			23300-VC111	HST-14407C		
23300-34T00		HST-25160	23300-VC11A			
23300-37J00		HST-114471A	23300-VC11B			
23300-37J05		HST-114472A	23300-VC201	HST-114878B		
23300-3M005		HST-13529	23300-VC20A			
23300-4J606		HST-114871	23300-VS40A	HST-13562B		
23300-4M801		HST-114831A	23300-VS40B			
23300-54A01		HST-1305A	23300-VW201	HST-13553A		
23300-54A05			23300-VW20B	HST-13553C		
23300-54A06			23300-VW21B	HST-14408C		

Parts No. Comparison of Starter

REFERENCE No.and HITACHI APS PARTS No.

Car Manufacturers	REFERENCE No.	HITACHI APS PARTS No.
NISSAN	23300-W0403	HST-114348A
	23300-Y0701	HST-114173F
	23300-ZJ60A	HST-114944
	894453-2120	HST-1382B
OPEL	55556130	HST-114907A
	555561300	HST-114907
	581100-0801	HST-1328
	894453-2120	HST-1382B
	897133-3692	HST-114850C
	897150-2040	HST-114808
	897150-2042	HST-114808B
Renault	897386-0620	HST-114869
	23300-Z5515	HST-25164A
	820071-8435	HST-114887
SUBARU	820073-0713	HST-114877C
	21070-50210	HST-114213A
	23300-KA512	HST-114435G
	23570-50100	HST-108101
	24670-50100	HST-108113
VAUXHALL	25570-50200	HST-114665
	897133-3692	HST-114850C
	897150-2042	HST-114808B
	897386-0620	HST-114869
Volkswagen	09A911023	HST-114876A

Parts No. Comparison of Starter

HITACHI APS PARTS No. and REFERENCE No.

Car Manufacturers	HITACHI APS PARTS No.	REFERENCE No.	Car Manufacturers	HITACHI APS PARTS No.	REFERENCE No.
Fiat	HST-114903A	551950300	NISSAN	HST-114841	23300-6N160
	HST-114943A	51890631		HST-114843	23300-8H600
		551933550		HST-114844A	23300-8H300
		551933560		23300-8H30A	
	HST-114947A	51832951		HST-114874	23300-6J901
	HST-114948A	51832952		HST-114876A	23300-6N205
HST-114949A	51890633	23300-6N20B			
HONDA	HST-114869	897386-0620	HST-114878B	23300-VC201	
ISUZU	HST-114338A	581100-1992		23300-VC20A	
	HST-114385	581100-1921	HST-114881A	23300-CG00A	
	HST-114429A	894133-3381	HST-114902B	23300-EN20B	
	HST-114808	897150-2040	HST-114902BSH	23300-EN20A	
	HST-114925B	898014-7432	HST-114922	23300-CK800	
	HST-13121	894469-4961	HST-114927	23300-JK20A	
	HST-13136	897084-8770	HST-114927BSH	23300-JK20B	
	HST-13211	897228-6640		23300-JK20C	
	HST-1328	581100-0801	HST-114928A	23300-EV10B	
	HST-13321	894469-4963	HST-114932ASH	23300-EY00A	
	HST-13514	897255-3901		23300-EY00C	
	HST-1382B	894453-2120	HST-114936A	23300-JN00A	
	HST-14210A	897323-4370		23300-JN00B	
	HST-2403C	894333-4380	HST-114944	23300-ZJ60A	
	HST-25501B	897172-2112	HST-1305A	23300-54A01	
	HST-25501C	898054-9840		23300-54A05	
	HST-25505G	897323-9352		23300-54A06	
	HST-25511A	898009-0431	HST-13104	23300-83W00	
	HST-25515A	898055-2791	HST-13118A	23300-06J03	
	HST-114381	185086321	HST-13213	23300-6K200	
	HST-13282	897128-7470	HST-13302A	23300-0Y005	
	HST-25121A	581100-1292	HST-13302C	23300-0Y001	
	LANCIA	HST-114943A	51890631	HST-13302C	23300-0Y006
			551933550	HST-13307A	23300-65N51
			551933560	HST-13326	23300-1S900
	NISSAN	HST-114160G	23300-H7302	HST-13327A	23300-54T00
		HST-114173F	23300-Y0701		23300-6T001
HST-114348A		23300-W0403		23300-6T00A	
HST-114374B		23300-V5302	HST-13502A	23300-VB300	
HST-114442A		23300-L1123	HST-13527D	23300-2W20B	
HST-114459		23300-18C65	HST-13529	23300-3M005	
HST-114465C		23300-66N00	HST-13551C	23300-VC101	
HST-114471A		23300-37J00		23300-VC10A	
HST-114472A		23300-37J05		23300-VC10B	
HST-114505A		23300-20P01	HST-13553A	23300-VW201	
HST-114527B		23300-G8400	HST-13553C	23300-VW20B	
		23300-G8401	HST-13556A	23300-DB000	
HST-114568A		23300-M8202		23300-DB00A	
HST-114569B		23300-73C01	HST-13559B	23300-MA70B	
HST-114570B		23300-73Y00		23300-MA70C	
			23300-73Y01	HST-13562B	23300-VS40A
HST-114681		23300-75W00		23300-VS40B	
HST-114705E		23300-65F01	HST-13563B	23300-MA71C	
HST-114800C		23300-0M300	HST-1382B	894453-2120	
		23300-0M301	HST-14205	23300-1W400	
		23300-0M302	HST-14405D	23300-2W21B	
		23300-0M30A	HST-14407C	23300-VC111	
		23300-81N00		23300-VC11A	
		23300-81N01		23300-VC11B	
HST-114801E		23300-2Y900	HST-14408C	23300-VW21B	
		23300-2Y90A	HST-1505B	23300-29D01	
		23300-31U01	HST-2405B	23300-2T710	
		23300-31U02	HST-25158B	23300-06J04	
HST-114818A		23300-5J201	HST-25160	23300-34T00	
HST-114827		23300-80F00	HST-114213A	21070-50210	
HST-114840A		23300-6N200	HST-114569B	23300-73C01	
		23300-6N20A	HST-114607C	23300-18C03	
			HST-114805A	23300-2J206	

Parts No. Comparison of Starter

HITACHI APS PARTS No. and REFERENCE No.

Car Manufacturers	HITACHI APS PARTS No.	REFERENCE No.
NISSAN	HST-114831A	23300-4M801
	HST-114847	23300-AL600
	HST-114871	23300-4J606
	HST-114880A	23300-AM60A
	HST-2411	23300-90068
	HST-25302	23300-T9010
	HST-25303A	23300-OT014
OPEL	HST-114808	897150-2040
	HST-114808B	897150-2042
	HST-114850C	897133-3692
	HST-114869	897386-0620
	HST-114907	555561300
	HST-114907A	55556130
	HST-1328	581100-0801
	HST-1382B	894453-2120
Renault	HST-114877C	820073-0713
	HST-114887	820071-8435
	HST-25164A	23300-Z5515
SUBARU	HST-114665	25570-50200
	HST-108101	23570-50100
	HST-108113	24670-50100
	HST-11402	23300-05D01
	HST-114435G	23300-KA512
VAUXHALL	HST-114808B	897150-2042
	HST-114850C	897133-3692
	HST-114869	897386-0620
Volkswagen	HST-114876A	09A911023