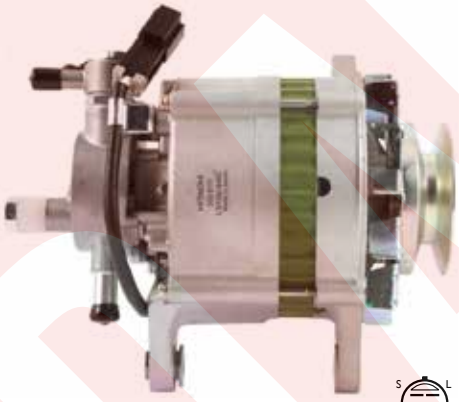











# HITLR150-449

**SPECIFICATION:**

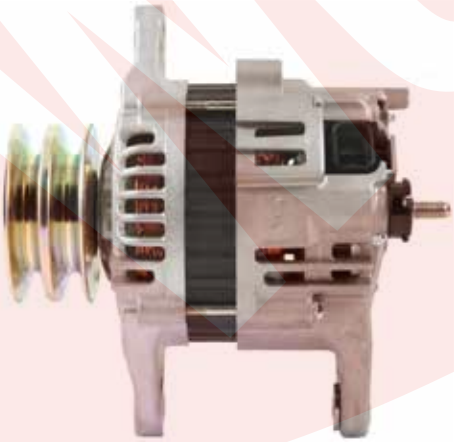
| | |
|---|---|
| Voltage | 12V |
| Amperage | 50A |
| Rotation | CW |
| Pulley | 1Vx82mm |

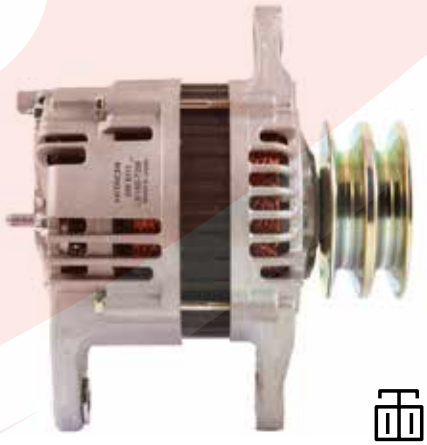
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR150-449 |
| Isuzu | 8941224883 |
| Isuzu | 8941224884 |
| Isuzu | 8970739240 |
| Isuzu | 8970377241 |
| Vauxhall | R1030083 |
| Cargo | 111267 |
| Delco | DRA3376 |
| HC Parts | JA761IR |
| Lucas | LRA01245 |
| Wood Auto | ALT32046 |











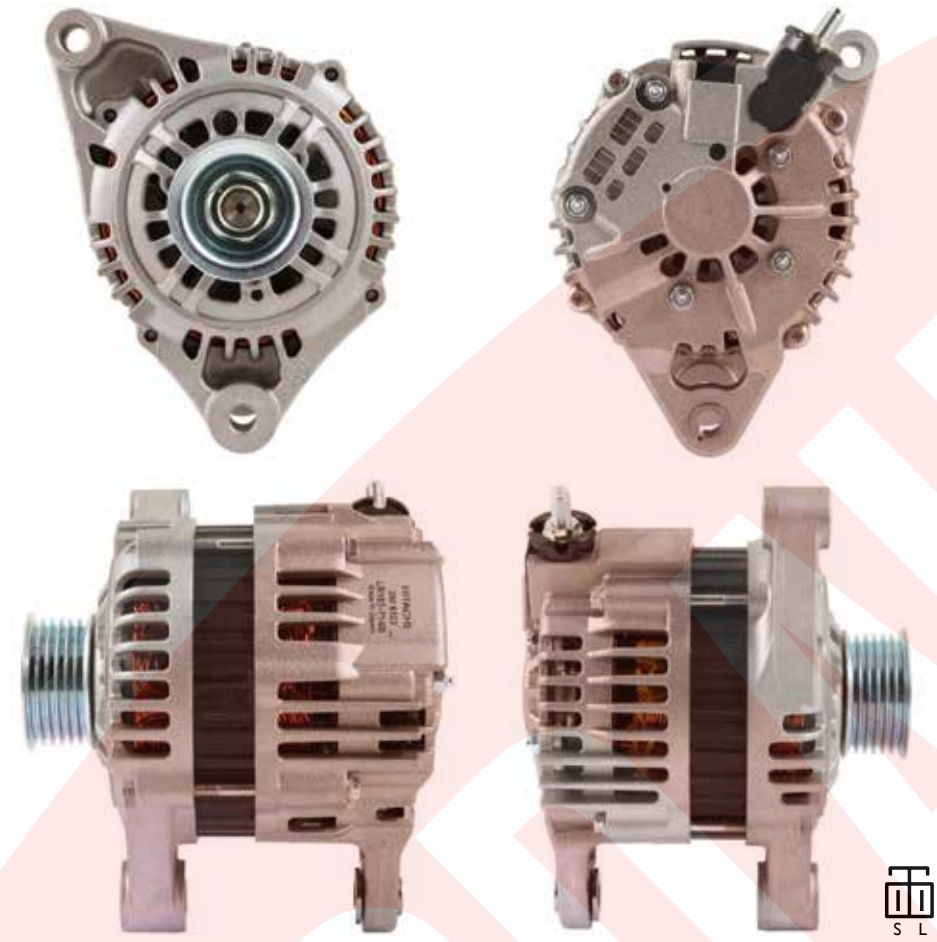

# HITLR160-728

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 60A |
| Rotation | CW |
| Pulley | 2Vx80mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR160-728 |
| NIssan | 23100-7T400 |
| Nissan | 23100-7T402 |
| Nissan | 23100-7T403 |
| Nissan | 23100-7T40A |
| Bosch | 0986045681 |
| Cargo | 113383 |
| Delco | DRA4095 |
| HC Parts | JA1516IR |
| Lucas | LRA01662 |
| Wood Auto | ALT32041 |



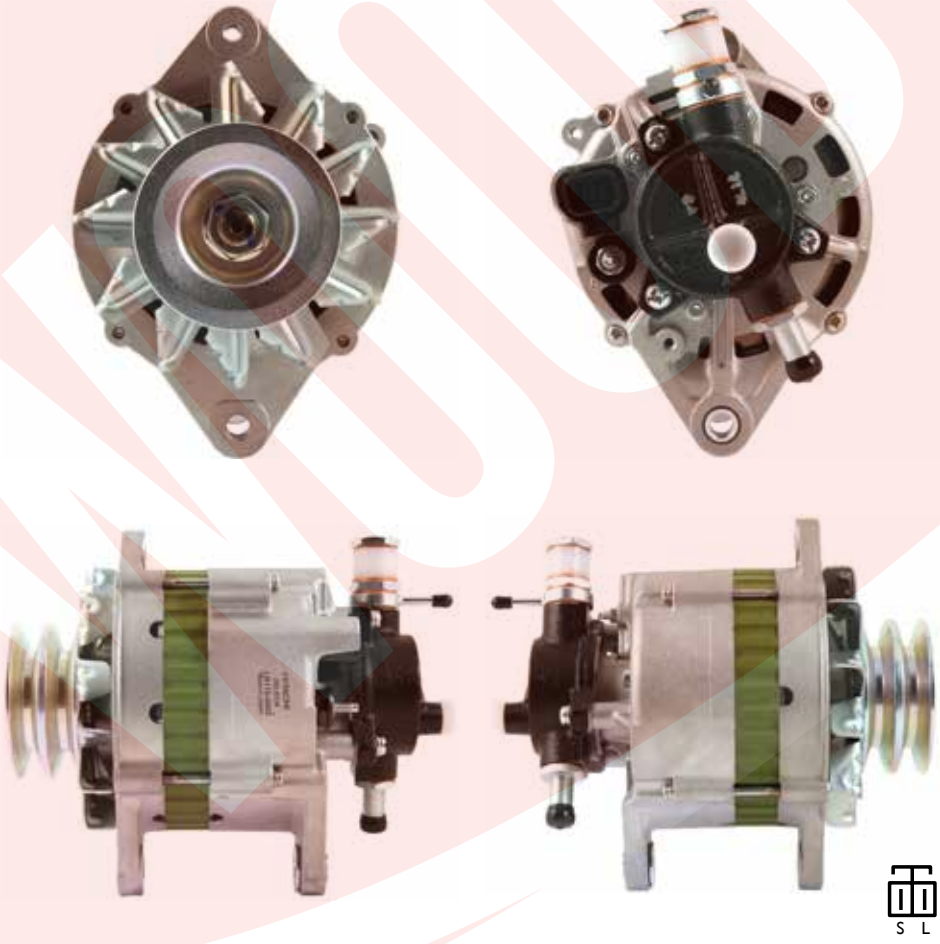
## HITLR165-714

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 65A |
| Rotation | CW |
| Pulley | 6Vx50mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR165-714 |
| Hitachi | LR165-714B |
| Nissan | 23100-AP000 |
| Nissan | 23100-AP00A |
| Bosch | 0986080210 |
| Cargo | 113697 |
| Delco | DRA3947 |
| HC Parts | JA1790IR |
| Lucas | LRA02152 |
| Wood Auto | ALT32067 |



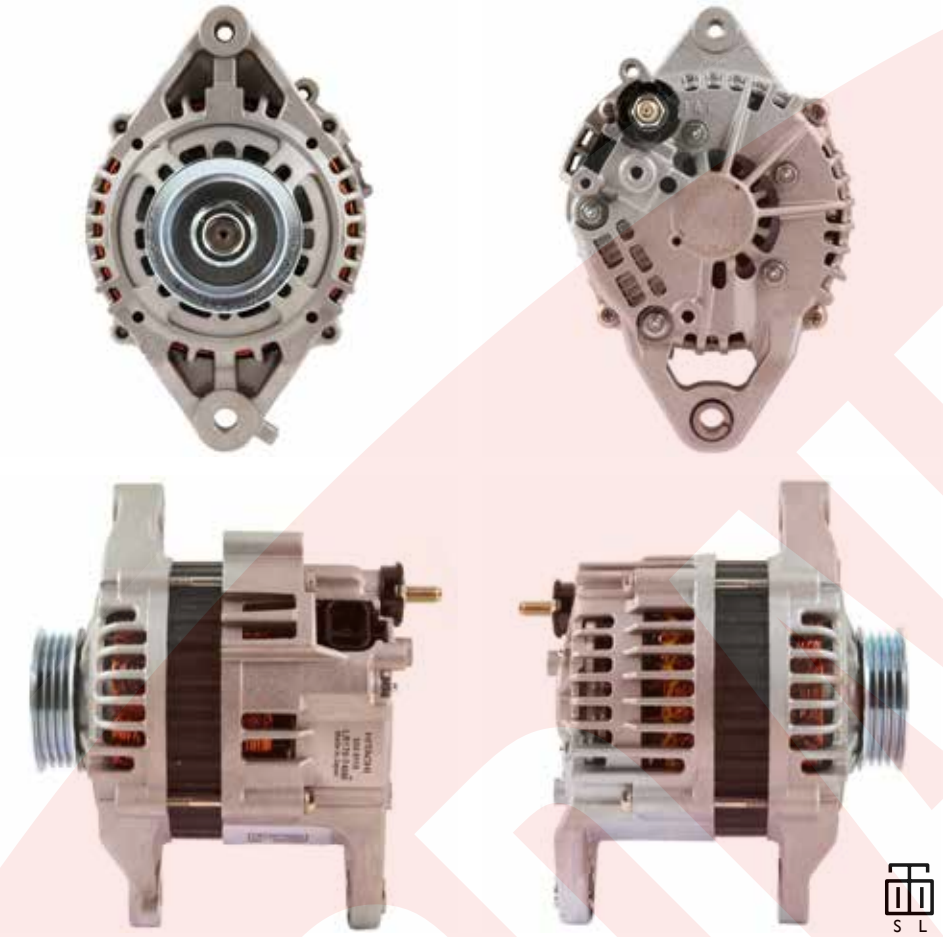
## HITLR170-408

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 70A |
| Rotation | CW |
| Pulley | 2Vx82mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR170-408 |
| Nissan | 23100-02N14 |
| Nissan | 23100-02N18 |
| Nissan | 23100-02N22 |
| Nissan | 23100-02N2B |
| Bosch | 0986046431 |
| Cargo | 112093 |
| Delco | DRA3216 |
| HC Parts | JA678IR |
| Lucas | LRB00341 |
| Wood Auto | ALT32061 |
| Wood Auto | ALTV036 |



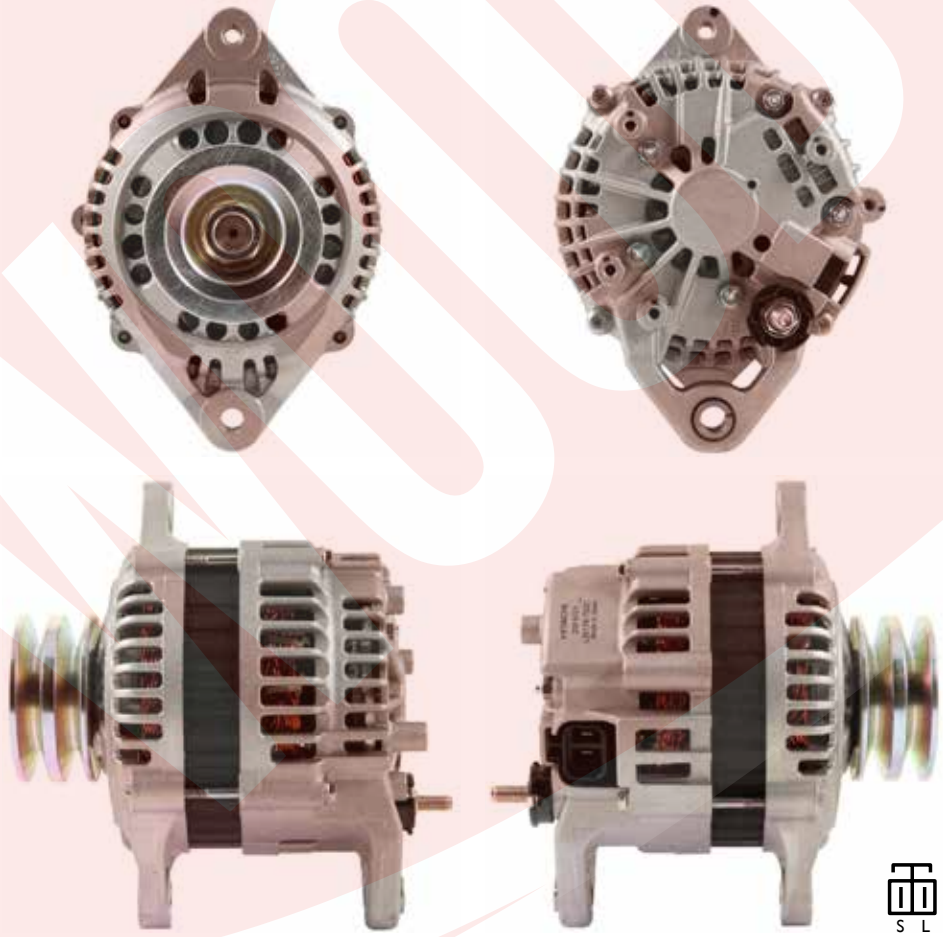
## HITLR170-746

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 70A |
| Rotation | CW |
| Pulley | 4Vx59mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR170-746 |
| Hitachi | LR170-750 |
| Hitachi | LR170-763 |
| Mitsubishi | A5T06891 |
| Nissan | 23100-0M005 |
| Nissan | 23100-0M010 |
| Bosch | 0986042951 |
| Cargo | 111704 |
| Delco | DRA3697 |
| HC Parts | JA1182IR |
| Lucas | LRB00266 |
| Wood Auto | ALT32089 |



## HITLR170-752

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 70A |
| Rotation | CW |
| Pulley | 2Vx70mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR170-752 |
| Nissan | 23100-0Y700 |
| Delco | DRA0705 |
| Lucas | LRA01637 |
| Wood Auto | ALT32167 |









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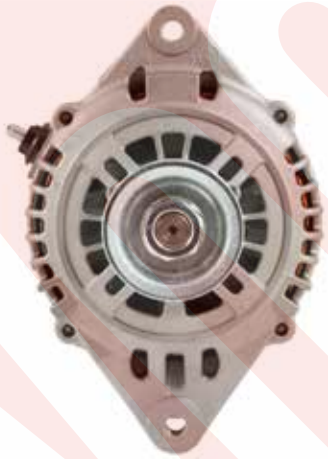
## HITLR170-756

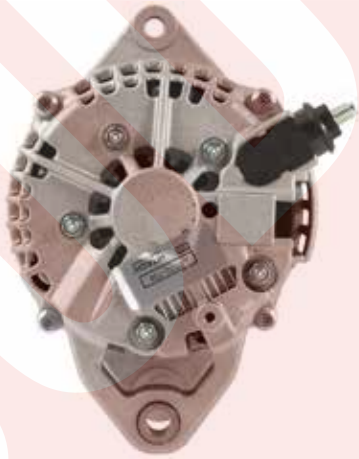
**SPECIFICATION:**

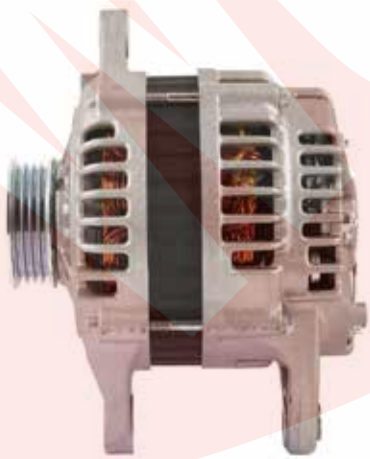
| | |
|---|---|
| Voltage | 12V |
| Amperage | 70A |
| Rotation | CW |
| Pulley | 1Vx82mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR170-756 |
| Nissan | 23100-7F700 |
| Nissan | 23100-7F701 |
| Cargo | 112351 |
| Delco | DRA0599 |
| HC Parts | CA2079IR |
| Lucas | LRA02341 |
| Wood Auto | ALT32171 |









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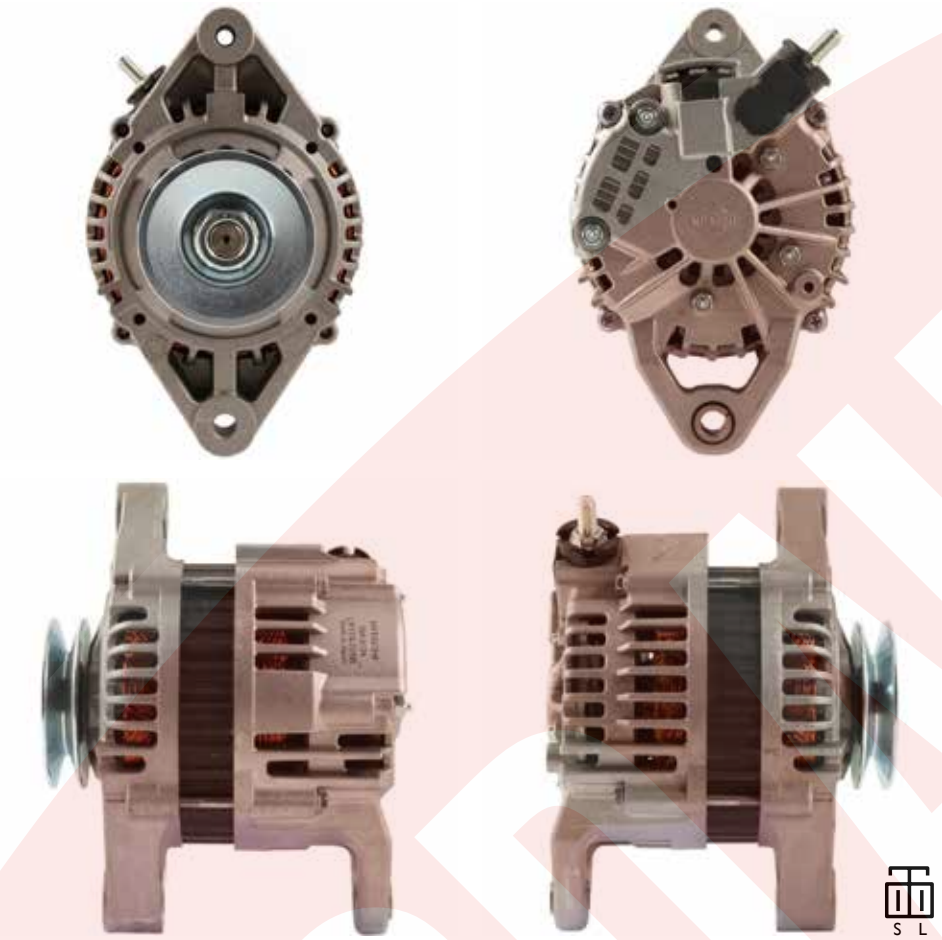
## HITLR170-758

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 70A |
| Rotation | CW |
| Pulley | 4Vx55mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR170-758 |
| Mazda | BP4W-18-300 |
| Mazda | BP4W-18-300C |
| Mitsubishi | A2TB0091 |
| Bosch | 0986045551 |
| Cargo | 111384 |
| Delco | DRA4087 |
| HC Parts | JA1283 |
| Lucas | LRA01143 |
| Wood Auto | ALT32194 |



## HITLR170-765

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 70A |
| Rotation | CW |
| Pulley | 1Vx74mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR170-765 |
| Nissan | 23100-VJ00A |
| Nissan | 23100-3S500 |
| Nissan | 23100-3S501 |
| Nissan | 23100-9Z000 |
| Delco | DRA0787 |
| Lucas | LRA02560 |
| Wood Auto | ALT32193 |

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## HITLR180-513

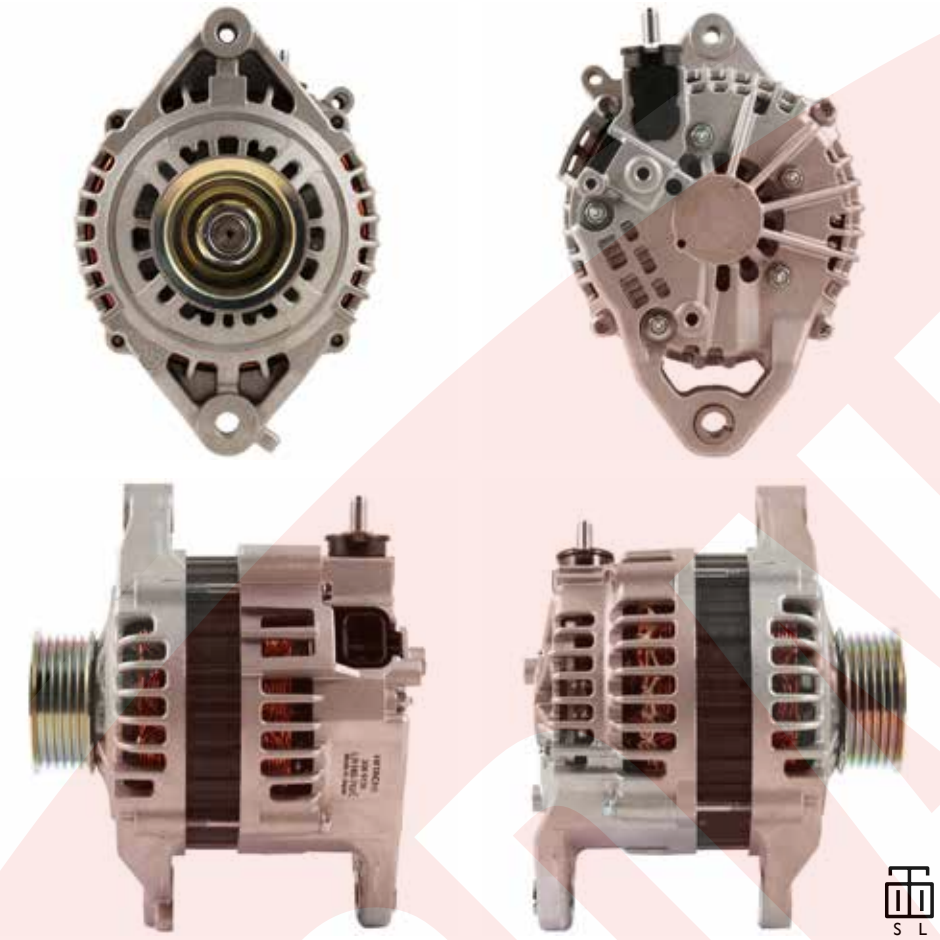
**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 80A |
| Rotation | CW |
| Pulley | 1Vx82mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR180-513 |
| Isuzu | 8973272181 |
| Delco | DRA1024 |
| Lucas | LRA03441 |
| Wood Auto | ALT32185 |

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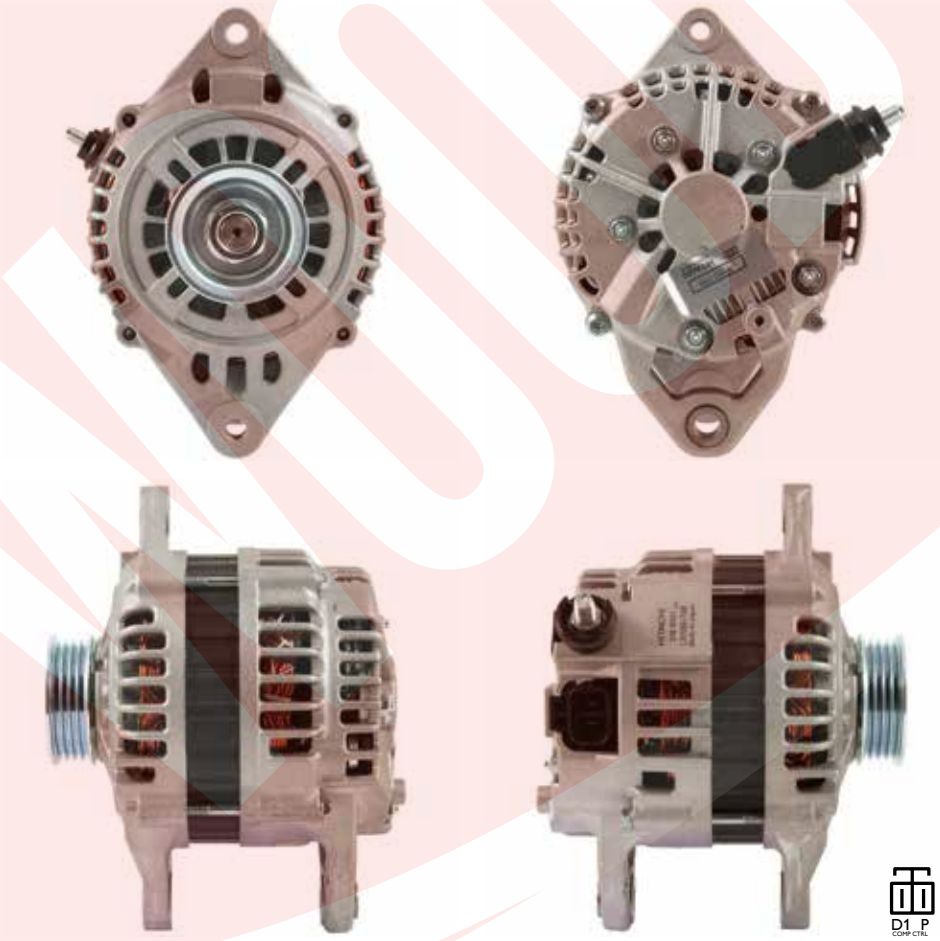

## HITLR180-762

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 80A |
| Rotation | CW |
| Pulley | 6Vx60mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR180-762 |
| Mitsubishi | A2TB3191 |
| Nissan | 23100-4M510 |
| Nissan | 23100-6J910 |
| Nissan | 23100-AU000 |
| Nissan | 23100-BU010 |
| Bosch | 0986045701 |
| Cargo | 113317 |
| Delco | DRA3948 |
| HC Parts | JA1607IR |
| Lucas | LRB00459 |
| Wood Auto | ALT10011 |




## HITLR180-766

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 80A |
| Rotation | CW |
| Pulley | 4Vx54mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR180-766 |
| Mazda | BP6D-18-300 |
| Mazda | BP6D-18-300A |
| Mitsubishi | A2TB0191 |
| Bosch | 0986042911 |
| Cargo | 112067 |
| HC Parts | JA1409 |
| Lucas | LRA02925 |
| Wood Auto | ALT32204 |

# HITLR185-701

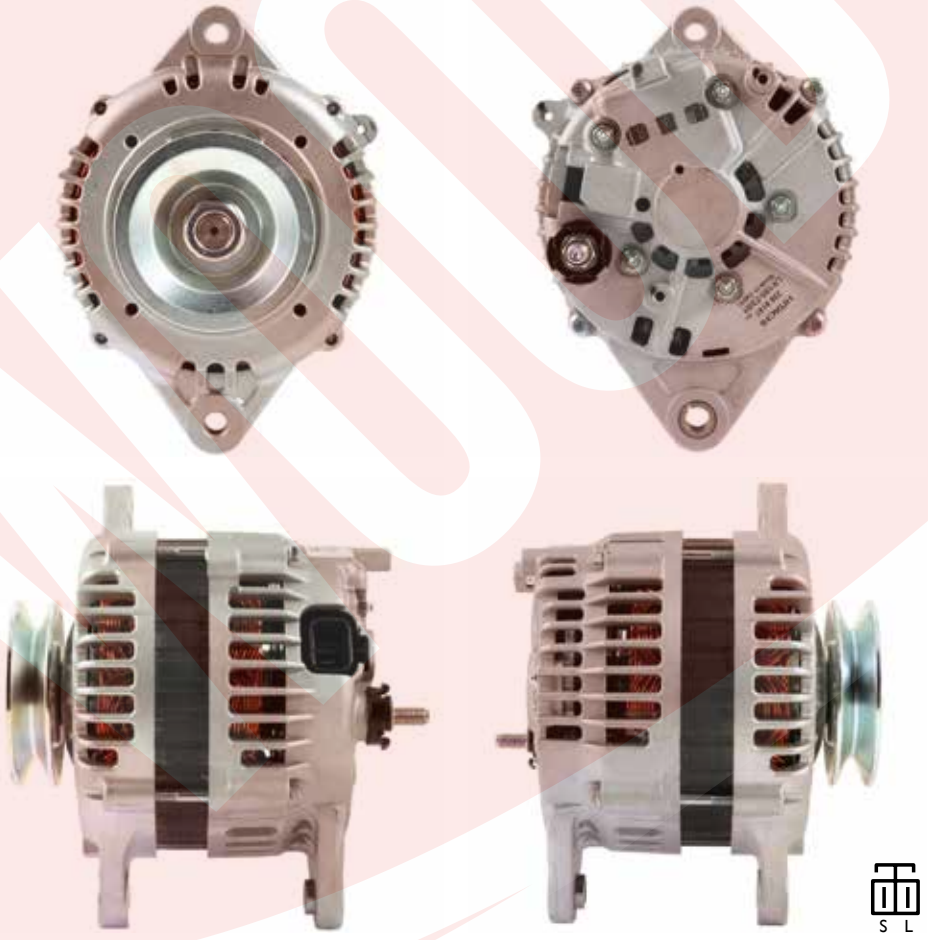
**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 85A |
| Rotation | CW |
| Pulley | 5Vx55mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR185-701 |
| Mitsubishi | A2T37391 |
| Subaru | 23700-AA210 |
| Subaru | 23700-AA211 |
| Subaru | 23700-AA220 |
| Subaru | 23700-AA270 |
| Subaru | 23700-AA350 |
| Bosch | 0986045721 |
| Delco | DRA0706 |
| HC Parts | JA1713IR |
| Lucas | LRA01845 |
| Wood Auto | ALT32174 |

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# HITLR190-734

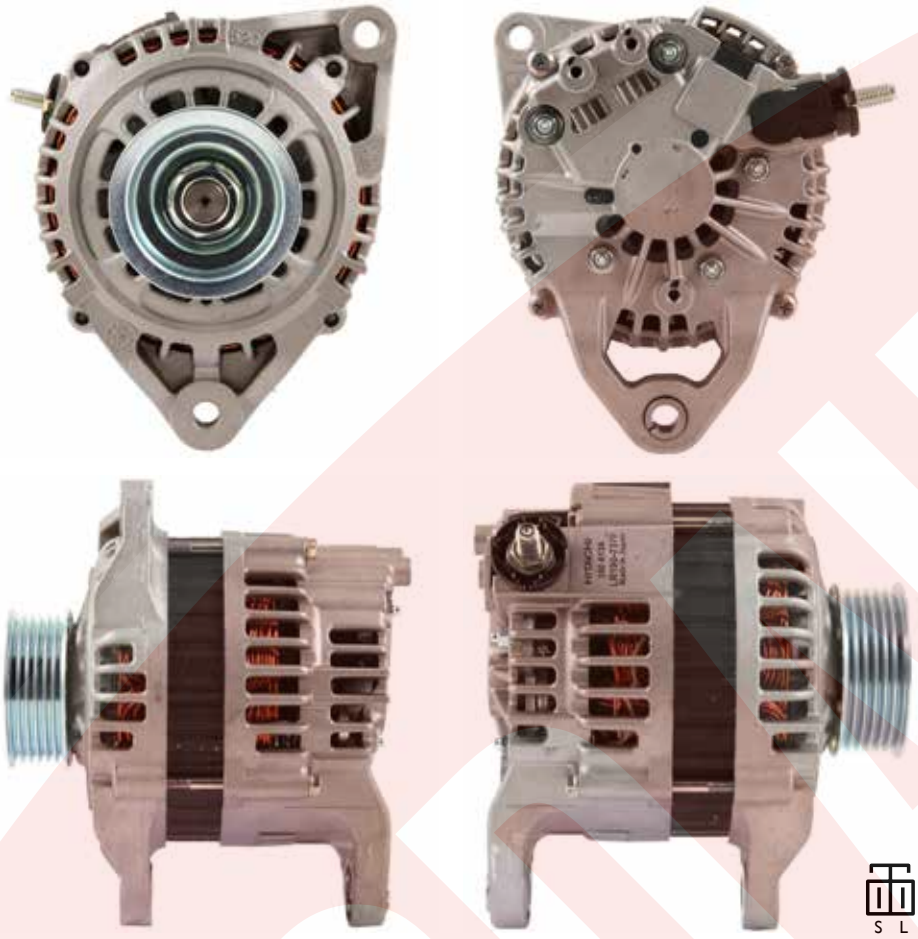
**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 90A |
| Rotation | CW |
| Pulley | 1Vx80mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR190-734 |
| Nissan | 23100-2J600 |
| Nissan | 23100-2J601 |
| Bosch | 0986045651 |
| Cargo | 112351 |
| Delco | DRA0099 |
| HC Parts | JA1528IR |
| Lucas | LRB00501 |
| Wood Auto | ALT32062 |

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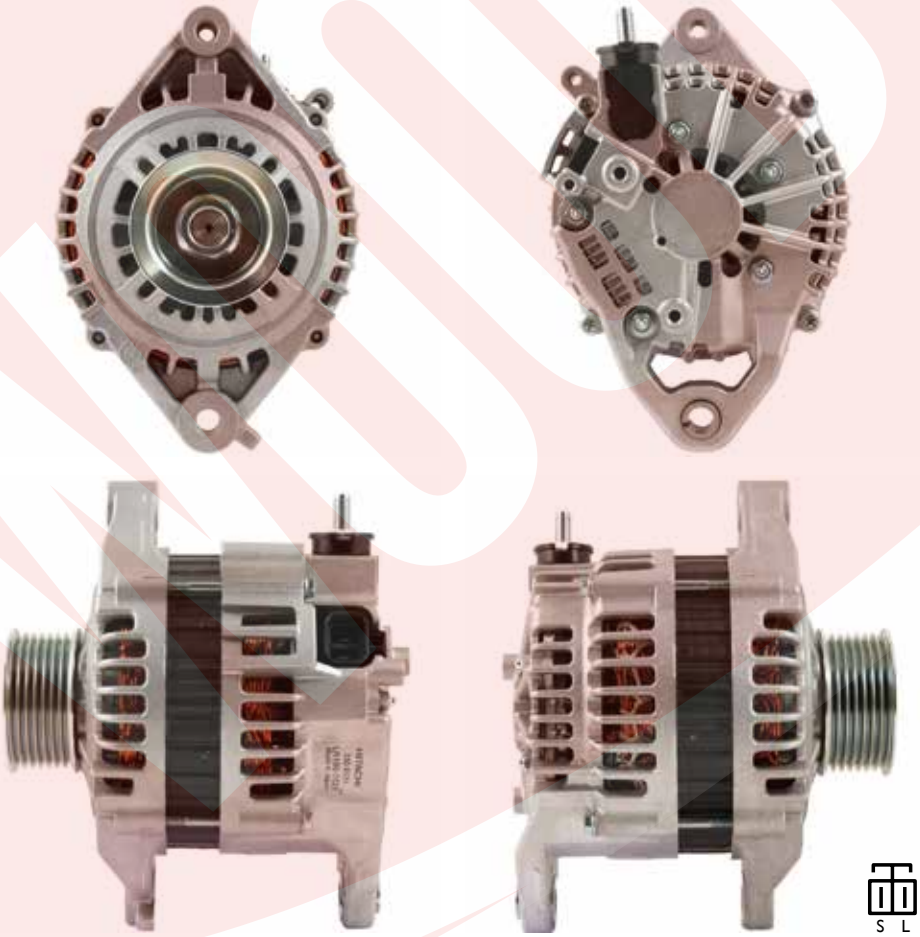
## HITLR190-737

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 90A |
| Rotation | CW |
| Pulley | 6Vx63mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR190-737 |
| Nissan | 23100-0W000 |
| Nissan | 23100-0W001 |
| Nissan | 23100-0W002 |
| Nissan | 23100-0W003 |
| Wood Auto | ALT32147 |



## HITLR190-752

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 90A |
| Rotation | CW |
| Pulley | 7Vx60mm |

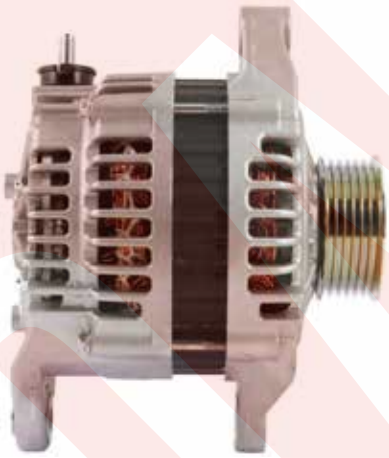
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR190-752 |
| Nissan | 23100-VC100 |
| Nissan | 23100-VC10A |
| Nissan | 23100-VC10B |
| Nissan | 23100-VC10C |
| Bosch | 0986049800 |
| Cargo | 113787 |
| Delco | DRA4097 |
| HC Parts | JA1602IR |
| Lucas | LRA02215 |
| Wood Auto | ALT32068 |









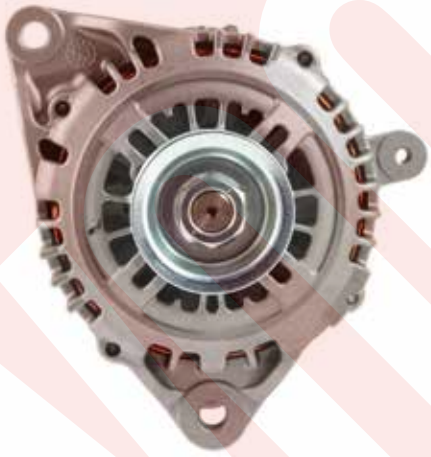
## HITLR190-753

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 90A |
| Rotation | CW |
| Pulley | 6V |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR190-753 |
| Nissan | 23100-4M505 |









## HITLR190-760

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 90A |
| Rotation | CW |
| Pulley | 5V |

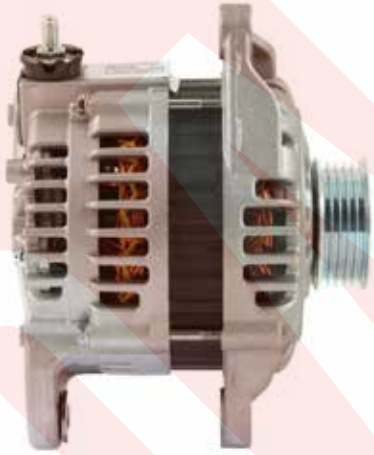
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR190-760 |
| Nissan | 23100-AX001 |









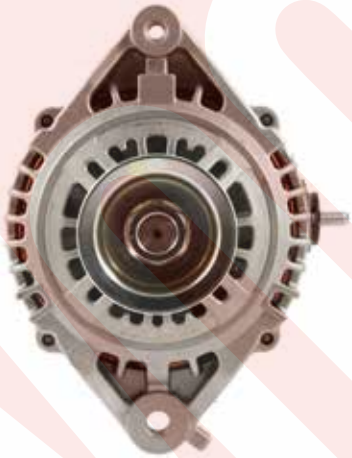
## HITLR190-765

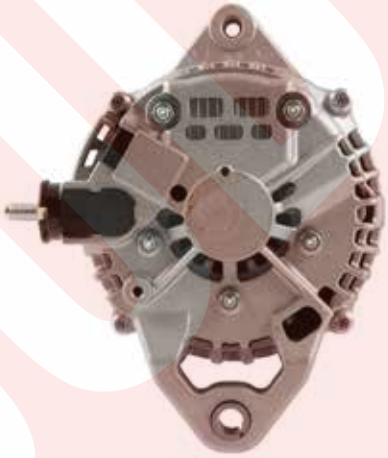
**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 90A |
| Rotation | CW |
| Pulley | 5V |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR190-765 |
| Nissan | 23100-CT00B |





## HITLR190-770

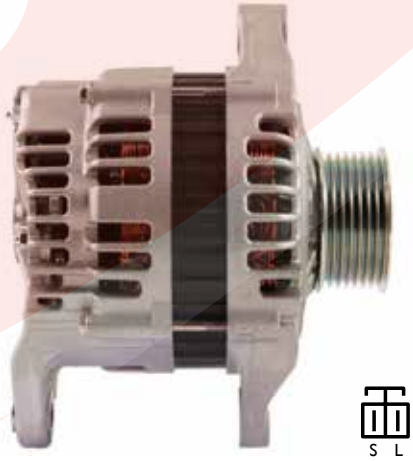
**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 90A |
| Rotation | CW |
| Pulley | 7Vx60mm |

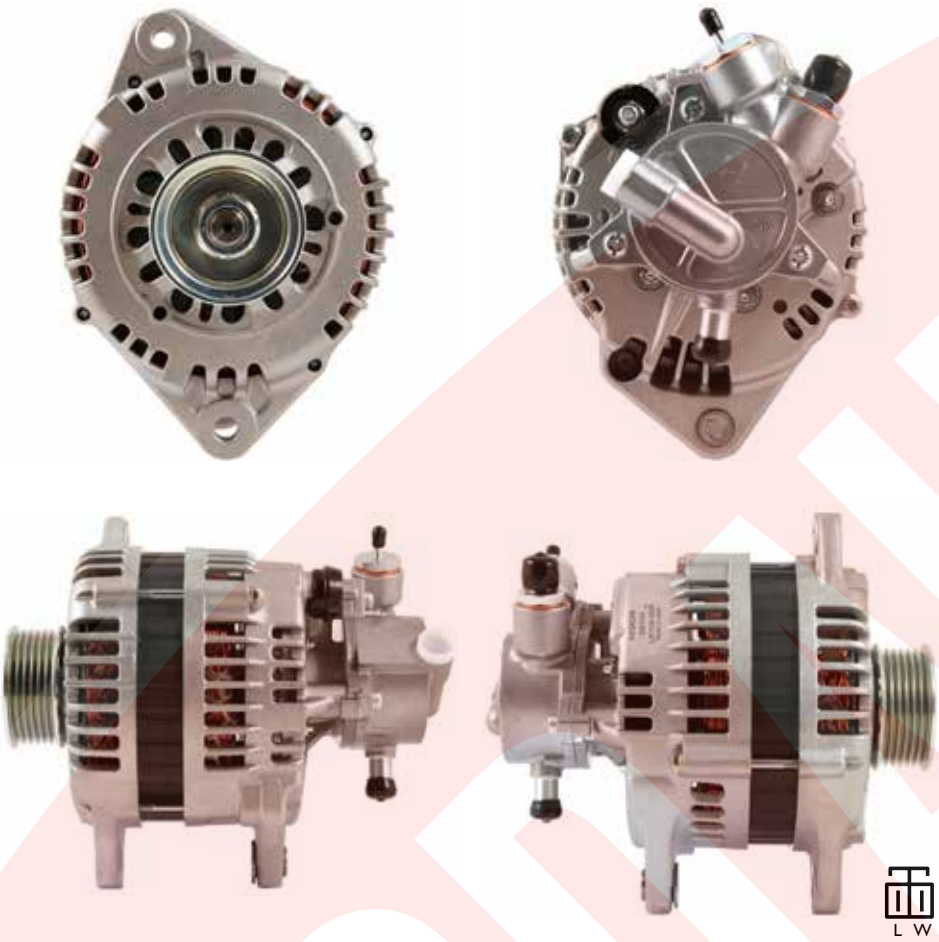
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR190-770 |
| Nissan | 23100-VS40B |
| Nissan | 23100-VS40C |
| Nissan | 23100-VC40C |
| Cargo | 113787 |
| Delco | DRA0911 |
| Lucas | LRA03349 |





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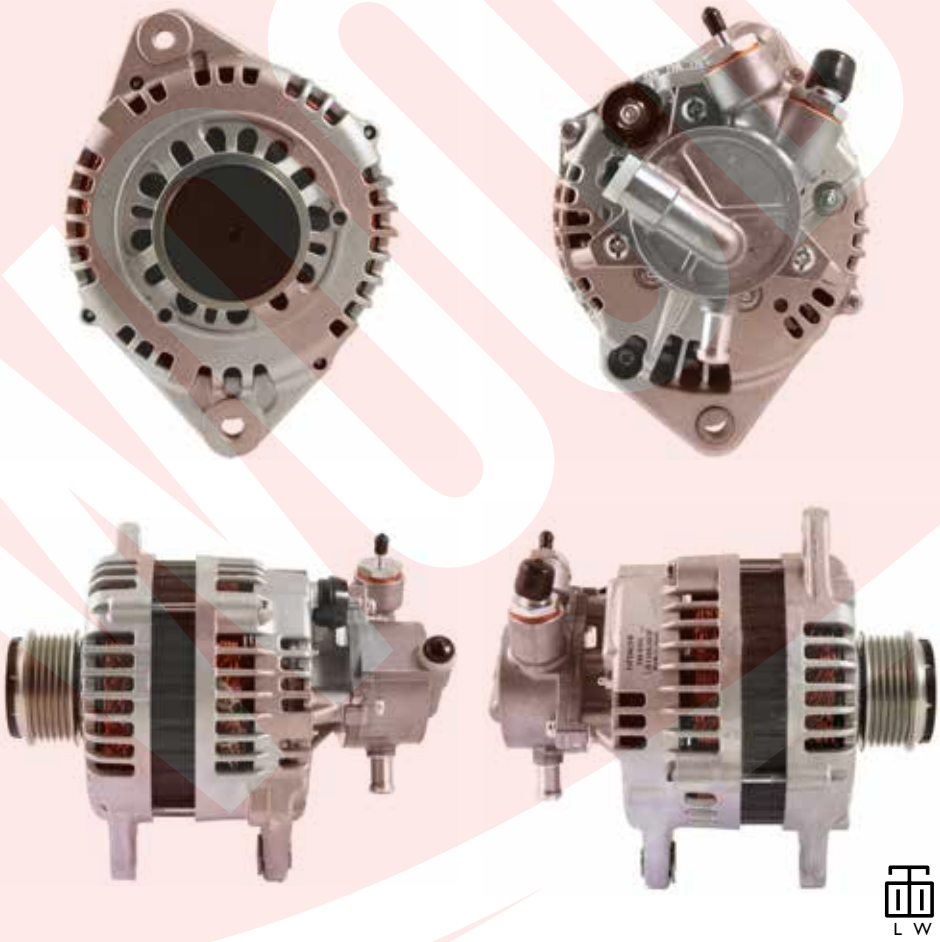
# HITLR1100-502

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 100A |
| Rotation | CW |
| Pulley | 6Vx60mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR1100-502 |
| Hitachi | LR1100-504 |
| Hitachi | LR1100-505 |
| Isuzu | 897189-1133 |
| Isuzu | 897326-1801 |
| Vauxhall | R1530037 |
| Bosch | 0986043981 |
| Cargo | 112271 |
| Delco | DRA3794 |
| HC Parts | JA1521IR |
| Lucas | LRB00487 |
| Wood Auto | ALT32071 |



# HITLR1100-503

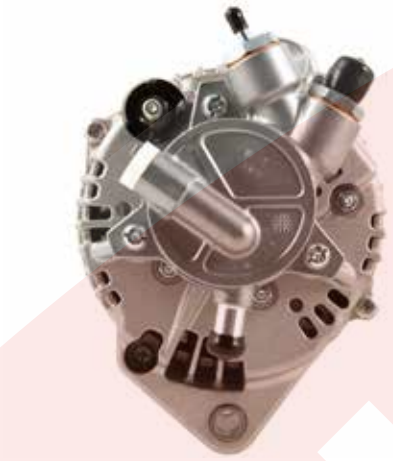
**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 100A |
| Rotation | CW |
| Pulley | 6VFx60mm |

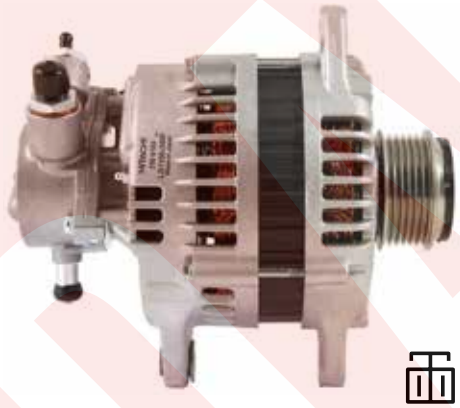
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR1100-503 |
| Isuzu | 897355-1981 |
| Isuzu | 897355-1982 |
| Isuzu | 898056-4430 |
| Vauxhall | R1530089 |
| Bosch | 0986048340 |
| Cargo | 113941 |
| Delco | DRA0182 |
| HC Parts | JA1901IR |
| Lucas | LRA03038 |
| Wood Auto | ALT32051 |

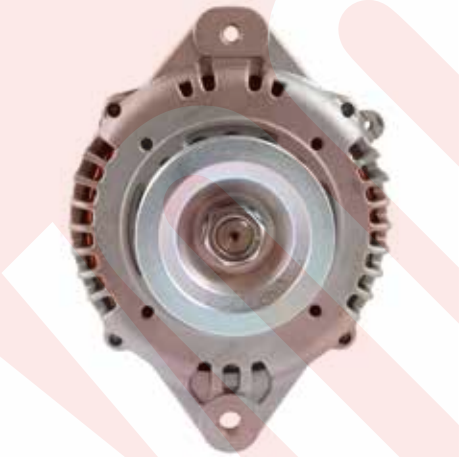


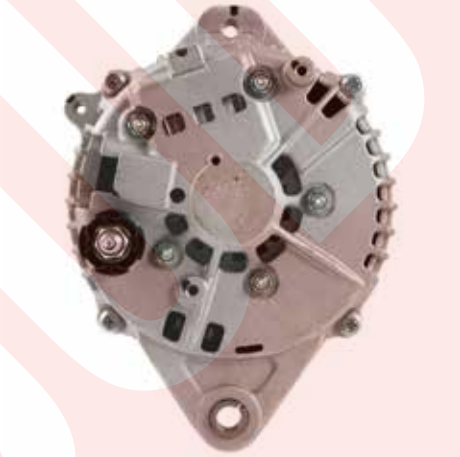




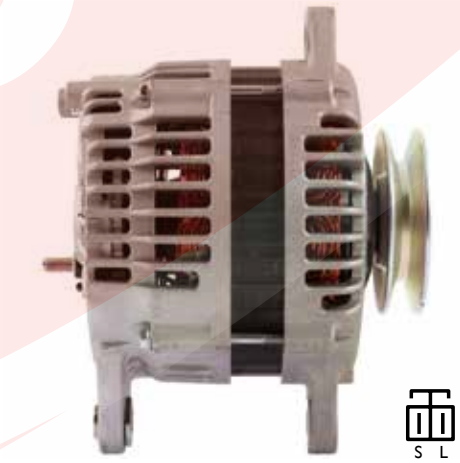


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## HITLR1100-508

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 100A |
| Rotation | CW |
| Pulley | 6VFx60mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR1100-507 |
| Hitachi | LR1100-508 |
| Isuzu | 897369-5070 |
| Isuzu | 897369-5071 |
| Isuzu | 897369-5072 |
| Vauxhall | R1530092 |
| Bosch | 0986048320 |
| Cargo | 113956 |
| Delco | DRA4228 |
| HC Parts | JA1899IR |
| Lucas | LRA02806 |
| Wood Auto | ALT32100 |

## HITLR1100-705

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 100A |
| Rotation | CW |
| Pulley | 1Vx84mm |

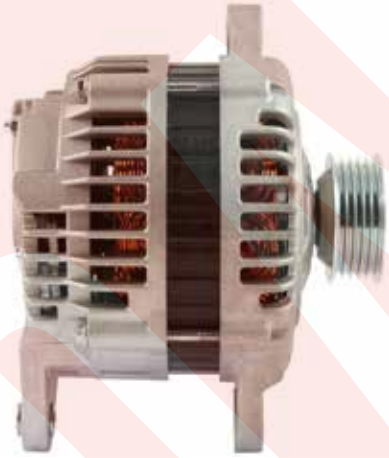
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR1100-705 |
| Nissan | 23100-0W802 |
| Nissan | 23100-0W80A |
| Wood Auto | ALT32062 |









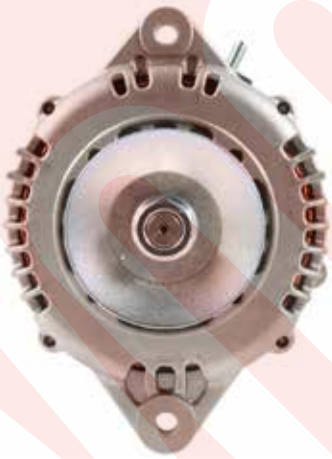
## HITLR1100-717

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 100A |
| Rotation | CW |
| Pulley | 5Vx55mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR1100-717 |
| Subaru | 23700-AA330 |





## HITLR1100-724

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 100A |
| Rotation | CW |
| Pulley | 1Vx82mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR1100-724 |
| Nissan | 23100-BN300 |
| Nissan | 23100-BN305 |
| Nissan | 23100-BN00A |
| Bosch | 0986049710 |
| Cargo | 113440 |
| Delco | DRA3944 |
| HC Parts | JA1611IR |
| Lucas | LRB00500 |





S L












## HITLR1100-725

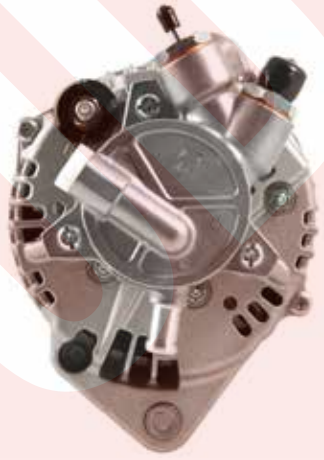
**SPECIFICATION:**

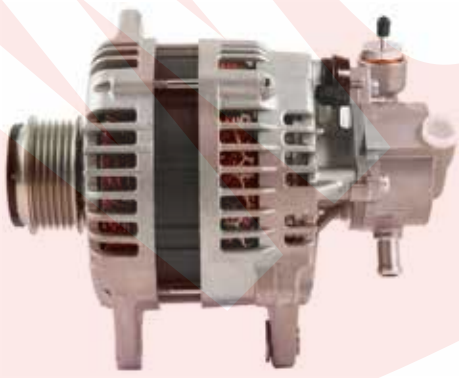
| | |
|---|---|
| Voltage | 12V |
| Amperage | 100A |
| Rotation | CW |
| Pulley | 6Vx62mm |

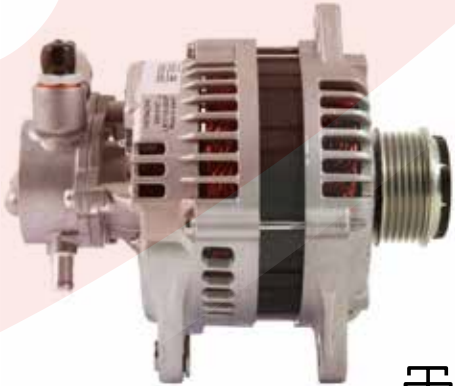
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR1100-703 |
| Hitachi | LR1100-711 |
| Hitachi | LR1100-725 |
| Nissan | 23100-0L700 |
| Nissan | 23100-2Y006 |
| Nissan | 23100-2Y900 |
| Bosch | 0986045621 |
| Cargo | 111381 |
| Delco | DRB5621 |
| HC Parts | JA1357IR |
| Lucas | LRA01643 |
| Wood Auto | ALT3511 |











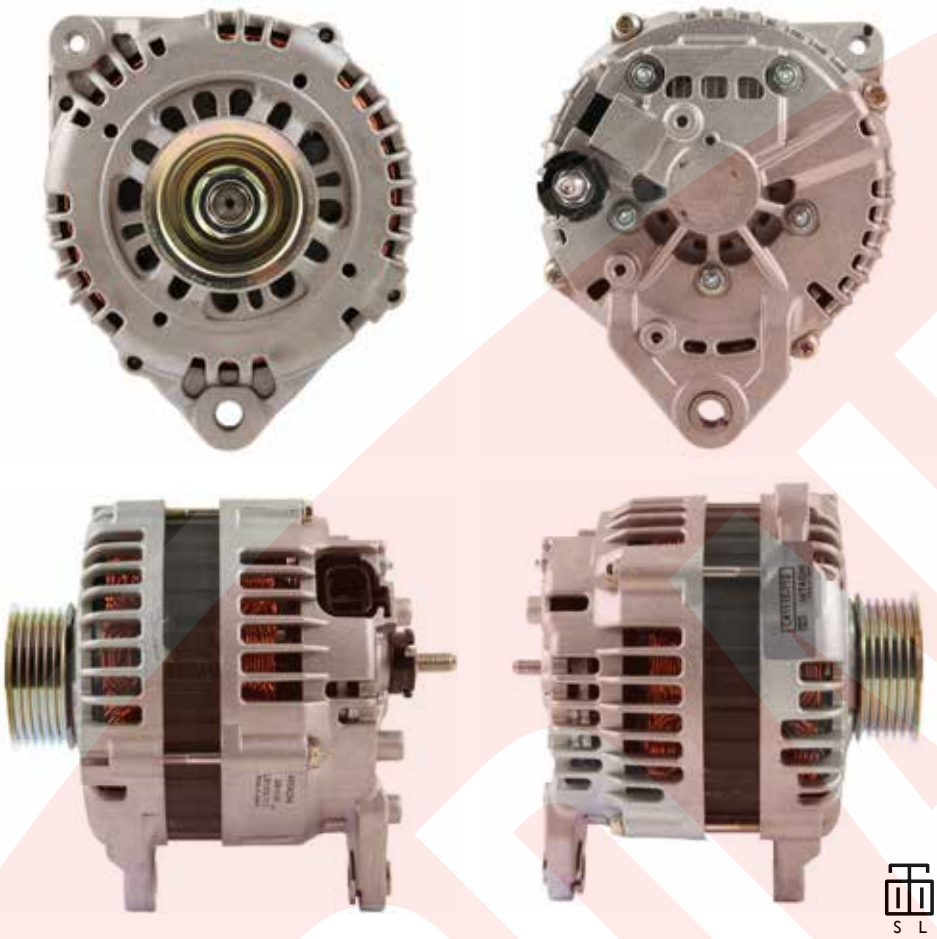

## HITLR1110-503

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 110A |
| Rotation | CW |
| Pulley | 6VFx60mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR1110-502 |
| Hitachi | LR1110-503 |
| Isuzu | 897363-8320 |
| Isuzu | 897363-8330 |
| Isuzu | 898056-4390 |
| Vauxhall | R1530090 |
| Bosch | 0986048301 |
| Cargo | 114121 |
| Delco | DRA0434 |
| HC Parts | JA1900IR |
| Lucas | LRA03127 |
| Wood Auto | ALT32227 |



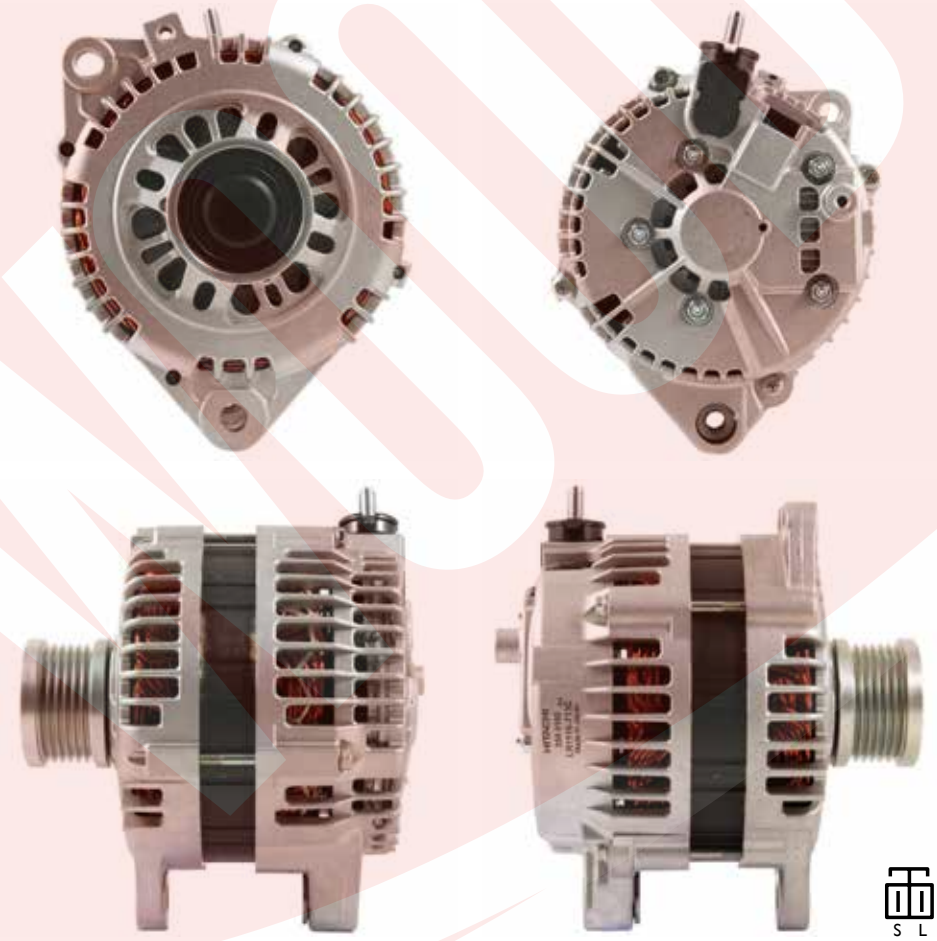
## HITLR1110-712

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 110A |
| Rotation | CW |
| Pulley | 6Vx60mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR1110-712 |
| Nissan | 23100-3W400 |
| Cargo | 113420 |
| Wood Auto | ALT32154 |



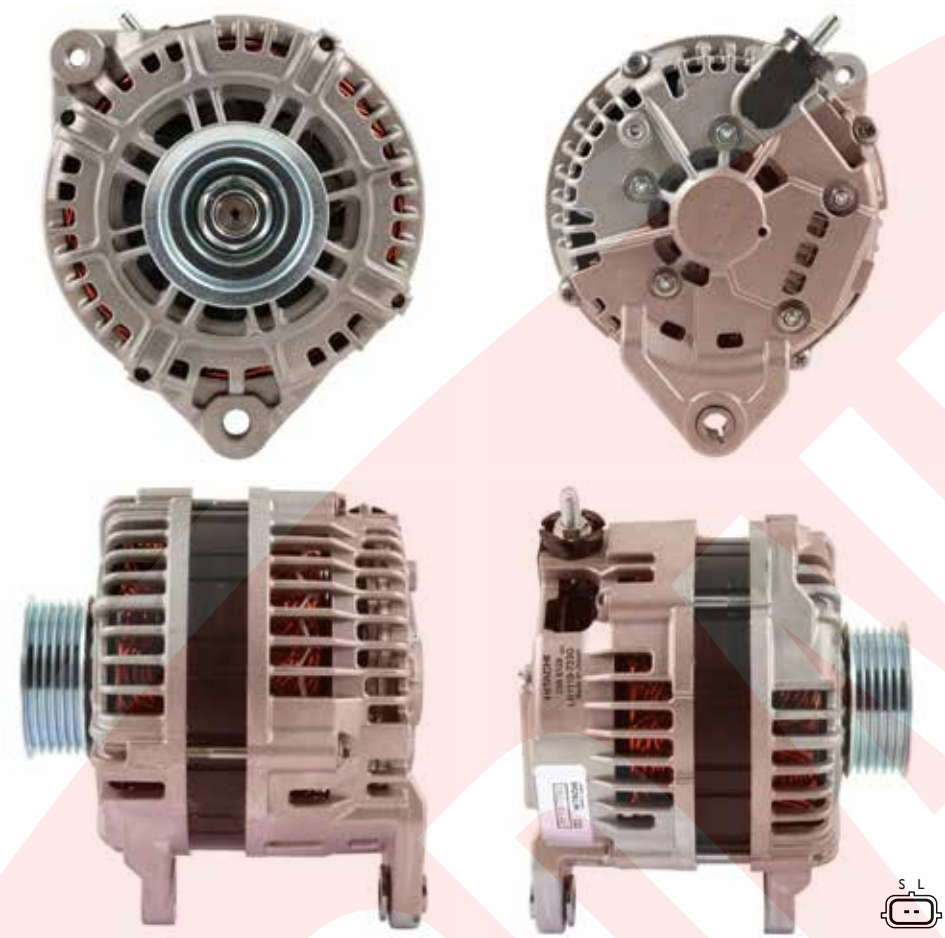
## HITLR1110-717

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 110A |
| Rotation | CW |
| Pulley | 6VFx52mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR1110-713 |
| Hitachi | LR1110-717 |
| Hitachi | LR1110-726 |
| Nissan | 23100-AU400 |
| Nissan | 23100-AU40A |
| Nissan | 23100-ZB00A |
| Cargo | 113316 |
| Delco | DRA3945 |
| HC Parts | JA1712IR |
| Lucas | LRA02351 |
| Wood Auto | ALT10081 |



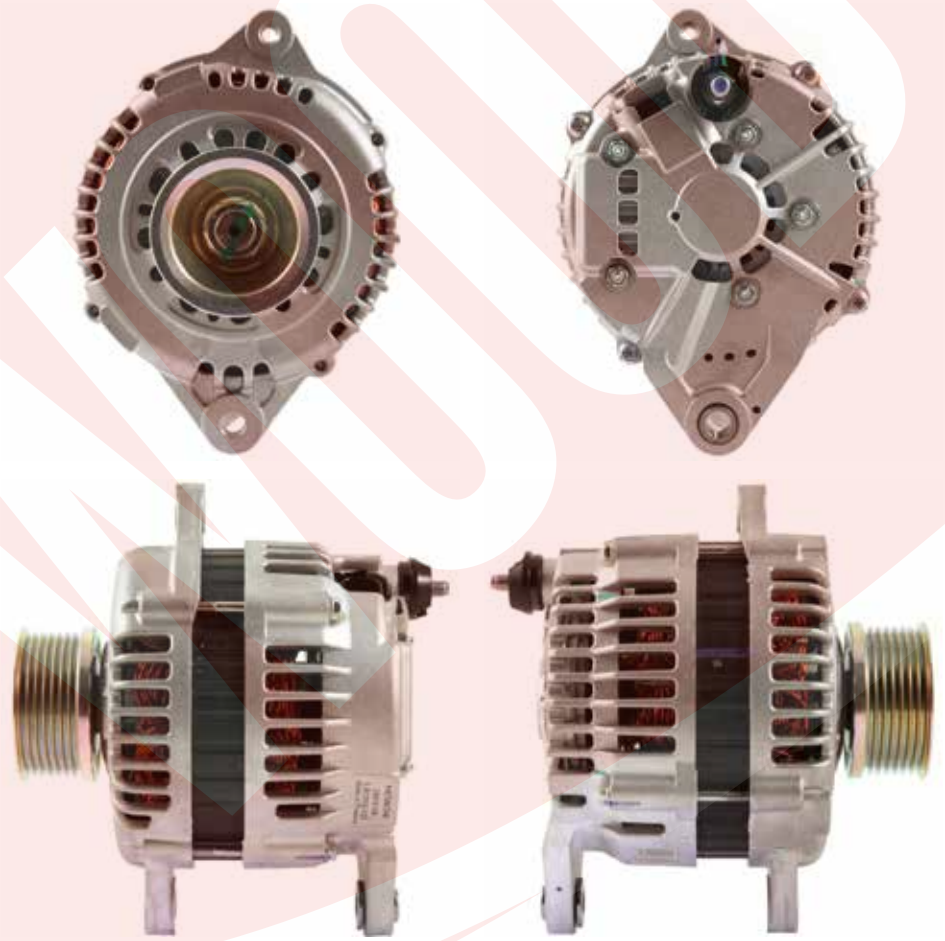
## HITLR1110-723

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 110A |
| Rotation | CW |
| Pulley | 6Vx62mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR1110-723 |
| Hitachi | LR1110-728 |
| Nissan | 23100-CN100 |
| Nissan | 23100-CN10C |
| Bosch | 0986081440 |
| Cargo | 111381 |
| Delco | DRA0576 |
| HC Parts | JA990IR |
| Lucas | LRA01755 |
| Wood Auto | ALT32197 |



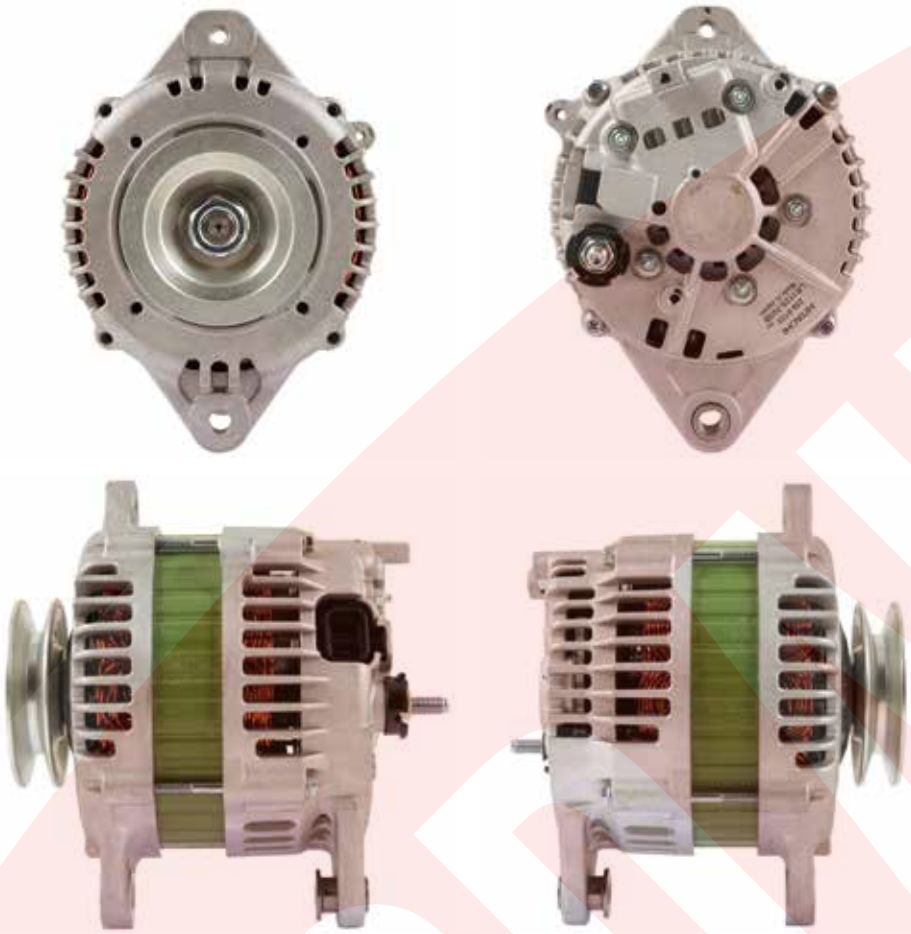
## HITLR1110-729

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 110A |
| Rotation | CW |
| Pulley | 7V |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR1110-729 |
| Isuzu | 897369-7140 |
| Nissan | 23100-9Y500 |



## HITLR1125-705

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 125A |
| Rotation | CW |
| Pulley | 1V |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR1125-705 |
| Nissan | 23100-VE000 |

## HITLR1130-702

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 135A |
| Rotation | CW |
| Pulley | 7VFx60mm |

**CROSS REFERENCES:**

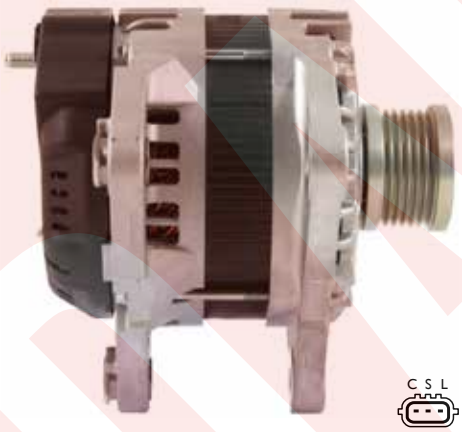
| | |
|---|---|
| Hitachi | LR1130-702 |
| Nissan | 23100-DB000 |
| Nissan | 23100-DB00A |
| Opel | 4406495 |
| Renault | 5010437730 |
| Renault | 7701070077 |
| Cargo | 113993 |
| Delco | DRA0231 |
| HC Parts | CA2082IR |
| Lucas | LRA02873 |
| Wood Auto | ALT32191 |

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## HITLR1140-802

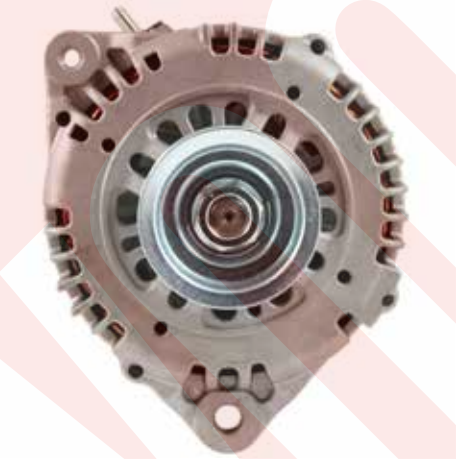
**SPECIFICATION:**

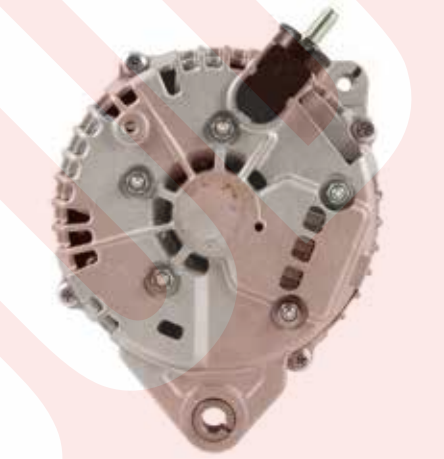
| | |
|---|---|
| Voltage | 12V |
| Amperage | 140A |
| Rotation | CW |
| Pulley | 6VFx50mm |

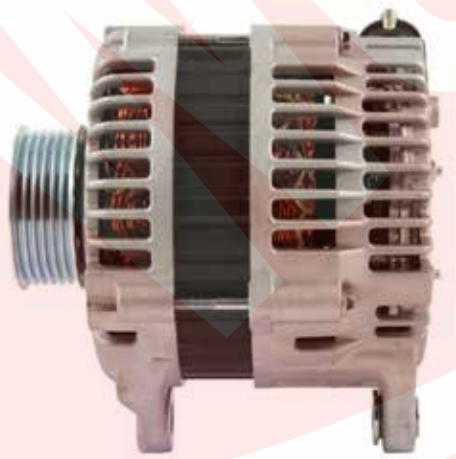
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR1140-802 |
| Nissan | 23100-EN00B |

CSL









## HITLR1150-702

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 150A |
| Rotation | CW |
| Pulley | 6Vx65mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR1150-702 |
| Renault | 7711135360 |
| Renault | 8200207287 |
| Renault | 8200133820 |
| Renault | 8200270287 |
| Delco | DRA0702 |
| Lucas | LRA02195 |
| Wood Auto | ALT32124 |

# HITLR1190-913

**SPECIFICATION:**

Voltage . . . . . 12V
Amperage . . . . . 190A
Rotation . . . . . CW
Cogwheel . . . . . 18Tx61mm

**CROSS REFERENCES:**

Hitachi . . . . . LR1190-913
VW . . . . . 07Z903021E
VW . . . . . 07Z903021F
Delco . . . . . DRA0418
Lucas . . . . . LRA03014



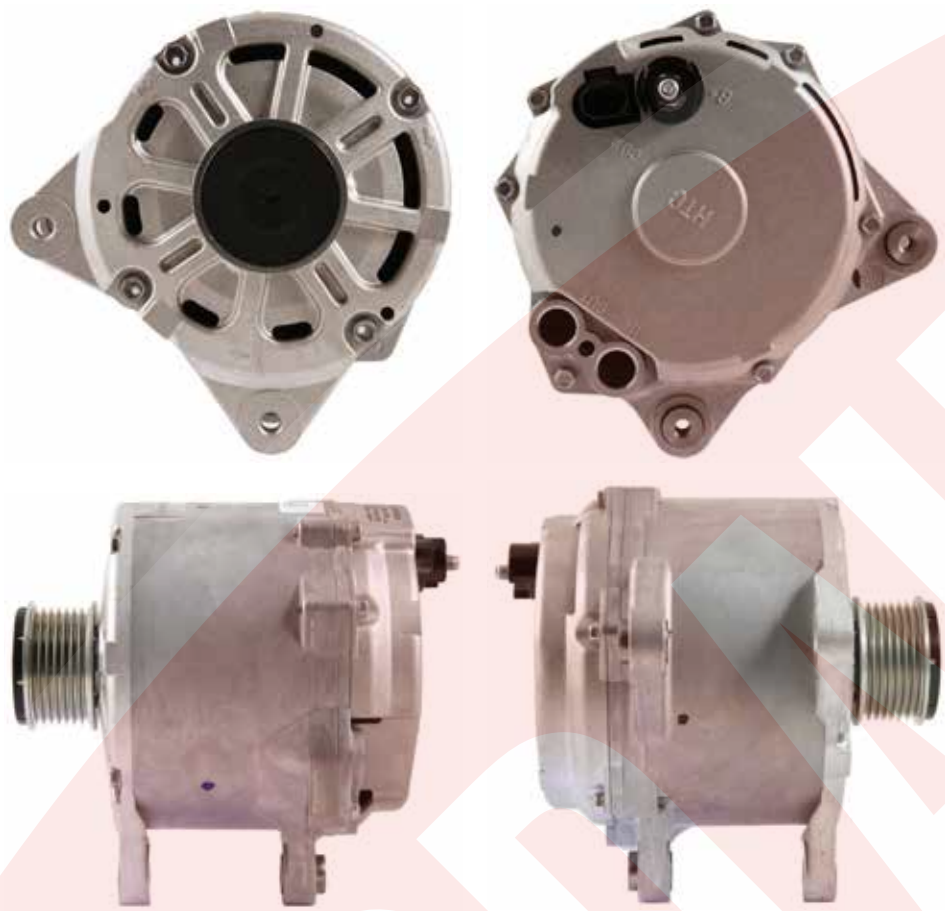
# HITLR1190-916

**SPECIFICATION:**

Voltage . . . . . 12V
Amperage . . . . . 190A
Rotation . . . . . CW
Pulley . . . . . 6VF

**CROSS REFERENCES:**

Hitachi . . . . . LR1190-916
Audi . . . . . 059903015T
Lucas . . . . . LRA03780



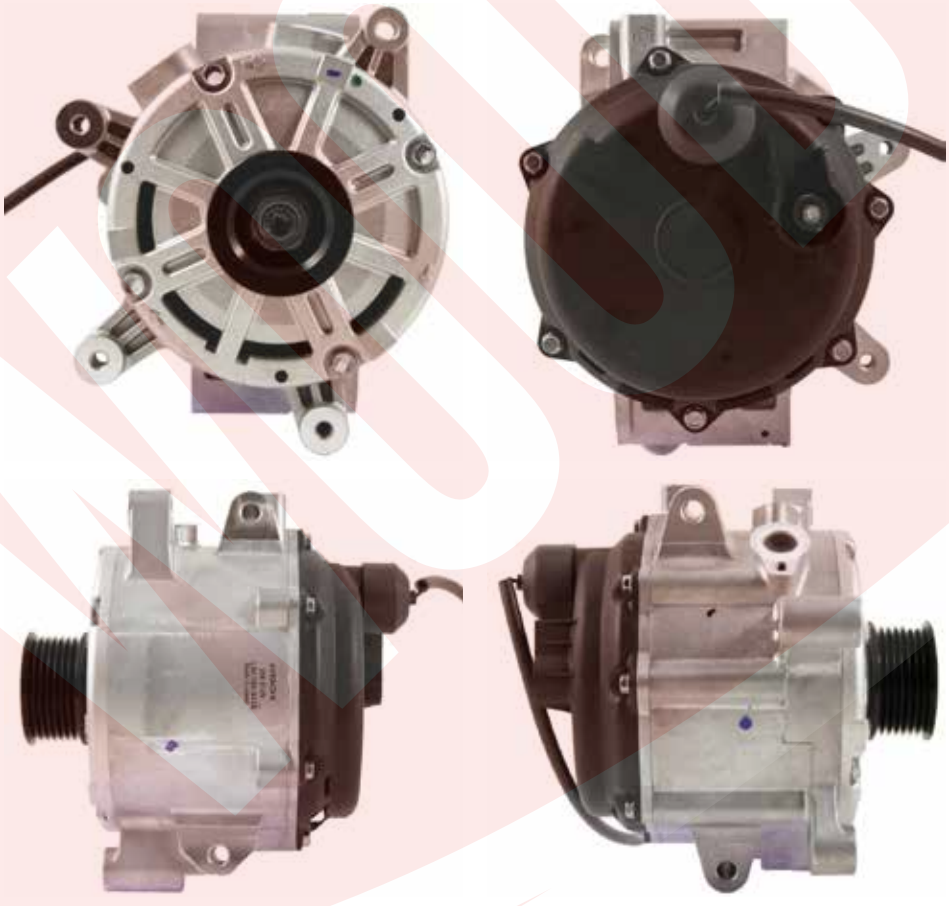
## HITLR1190-919

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 190A |
| Rotation | CW |
| Pulley | 7VF |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR1190-919 |
| Audi | 021903016A |
| Porsche | 95560311600 |



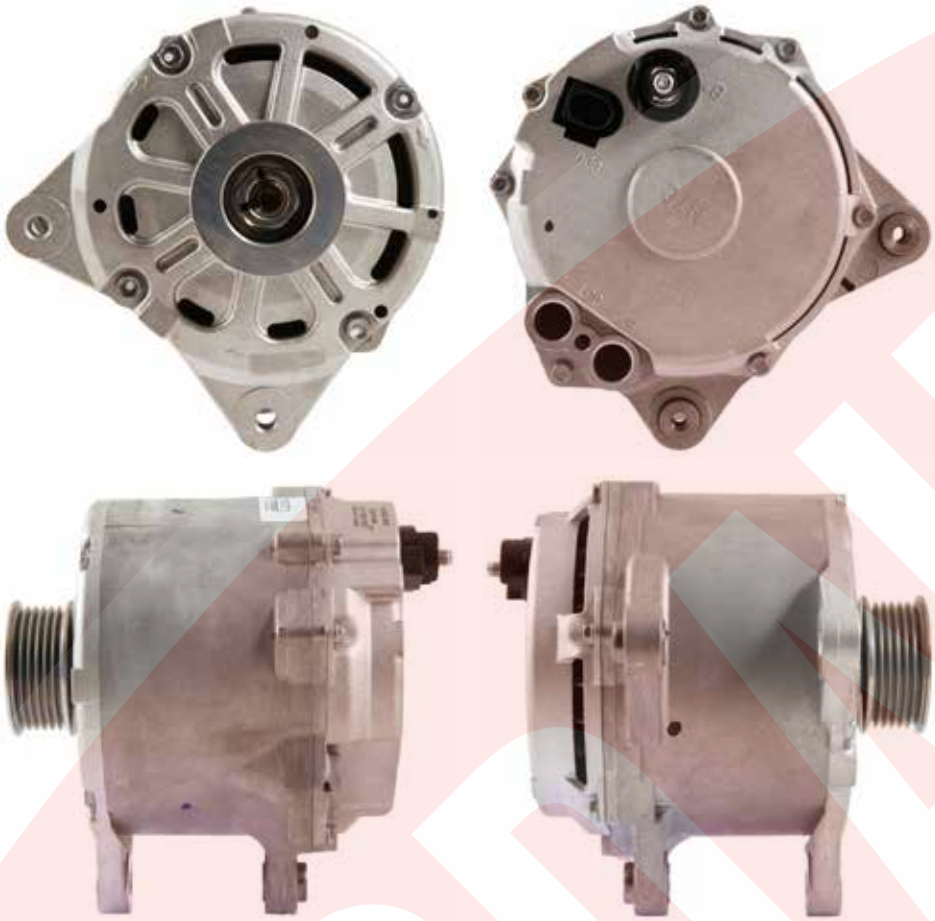
## HITLR1190-935

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 190A |
| Rotation | CW |
| Pulley | 7Vx56mm |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR1190-935 |
| Porsche | 94860302303 |
| Porsche | 94860302304 |



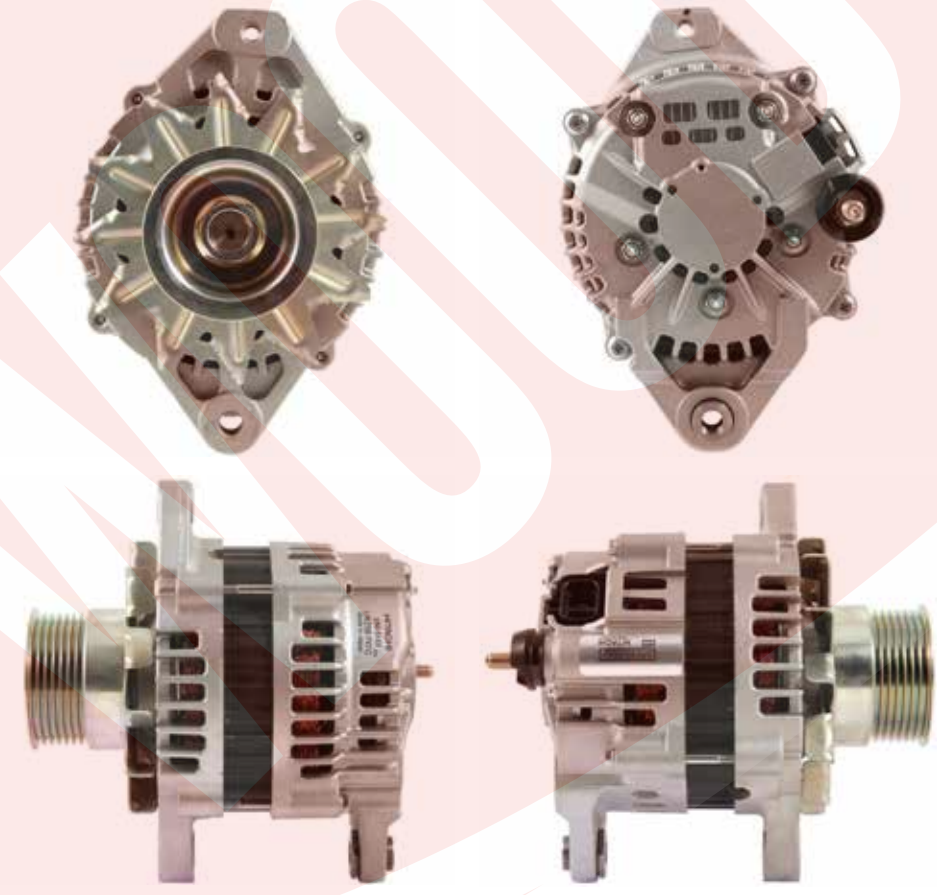
## HITLR1190-937

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Amperage | 190A |
| Rotation | CW |
| Pulley | 6V |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR1190-937 |
| Audi | 059903018A |
| Porsche | 95860312400 |



## HITLR250-707

**SPECIFICATION:**

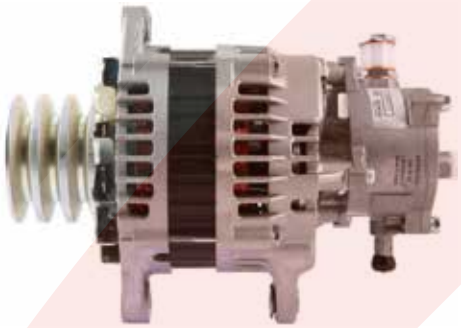
| | |
|---|---|
| Voltage | 24V |
| Amperage | 50A |
| Rotation | CW |
| Pulley | 7Vx82mm |

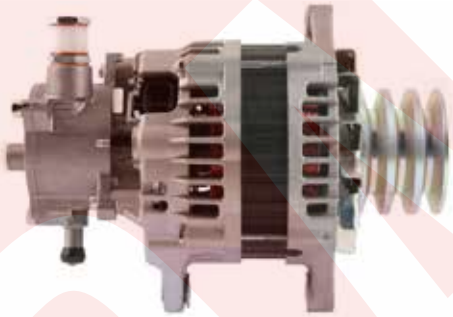
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR250-707 |
| Isuzu | 898029-8872 |
| Wood Auto | ALT32228 |









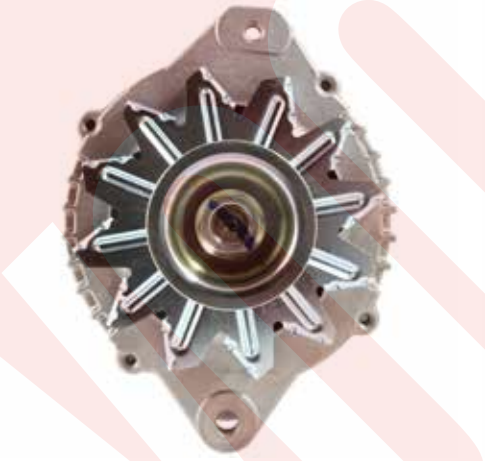
## HITLR260-512

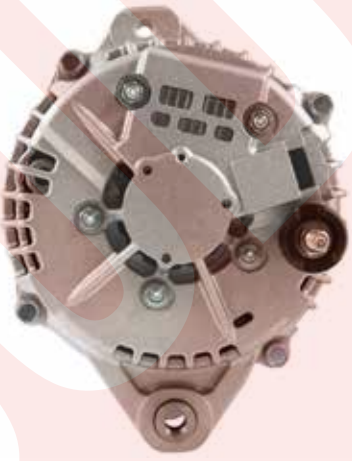
**SPECIFICATION:**

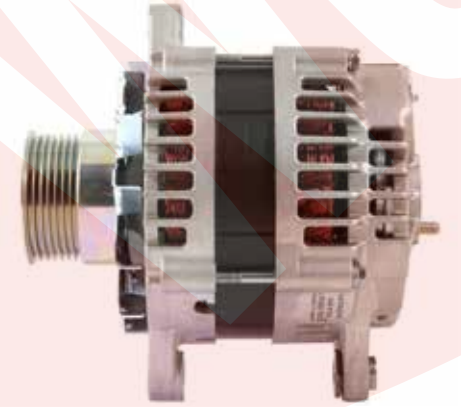
Voltage . . . . . 24V
Amperage . . . . . 60A
Rotation . . . . . CW
Pulley . . . . . 3V

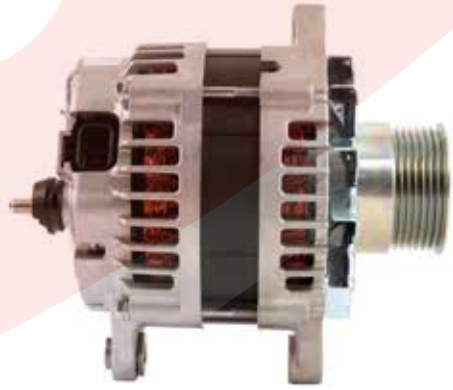
**CROSS REFERENCES:**

Hitachi . . . . . LR260-512
Isuzu . . . . . 897351-5730









## HITLR280-707

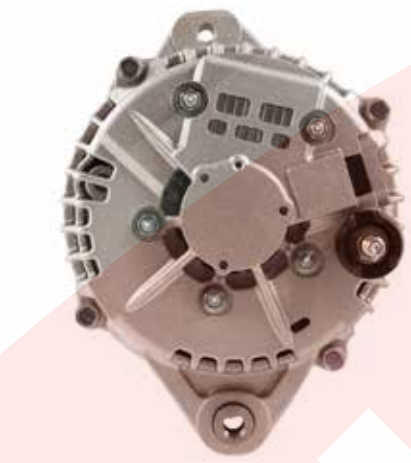
**SPECIFICATION:**

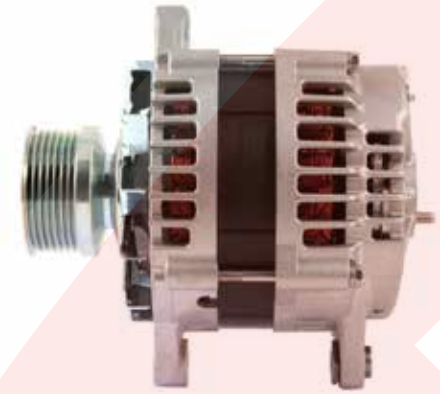
Voltage . . . . . 24V
Amperage . . . . . 80A
Rotation . . . . . CW
Pulley . . . . . 7V

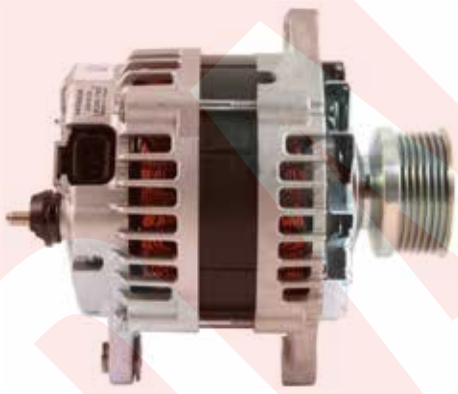
**CROSS REFERENCES:**

Hitachi . . . . . LR280-707
Isuzu . . . . . 898029-8892









# HITLR280-708

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 24V |
| Amperage | 80A |
| Rotation | CW |
| Pulley | 7V |

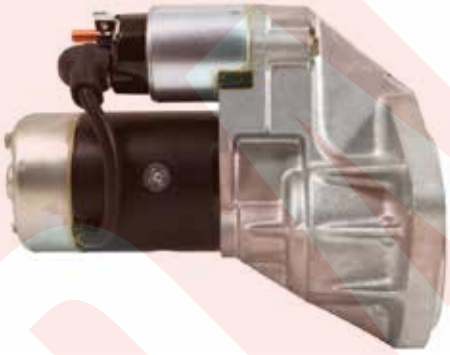
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | LR280-708 |
| Isuzu | 898029-8921 |









## HITS13-118

**SPECIFICATION:**

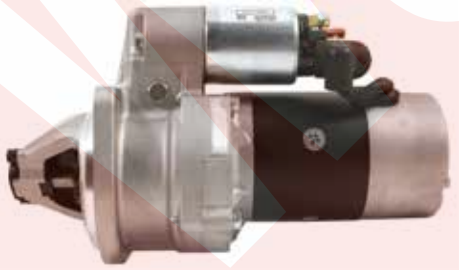
| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 2.5kW |
| Teeth | 11 |
| Rotation | CW |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S13-118 |
| Nissan | 23300-06J00 |
| Nissan | 23300-06J03 |
| Delco | DRS0704 |
| Lucas | LRS01570 |
| Wood Auto | STR72004 |









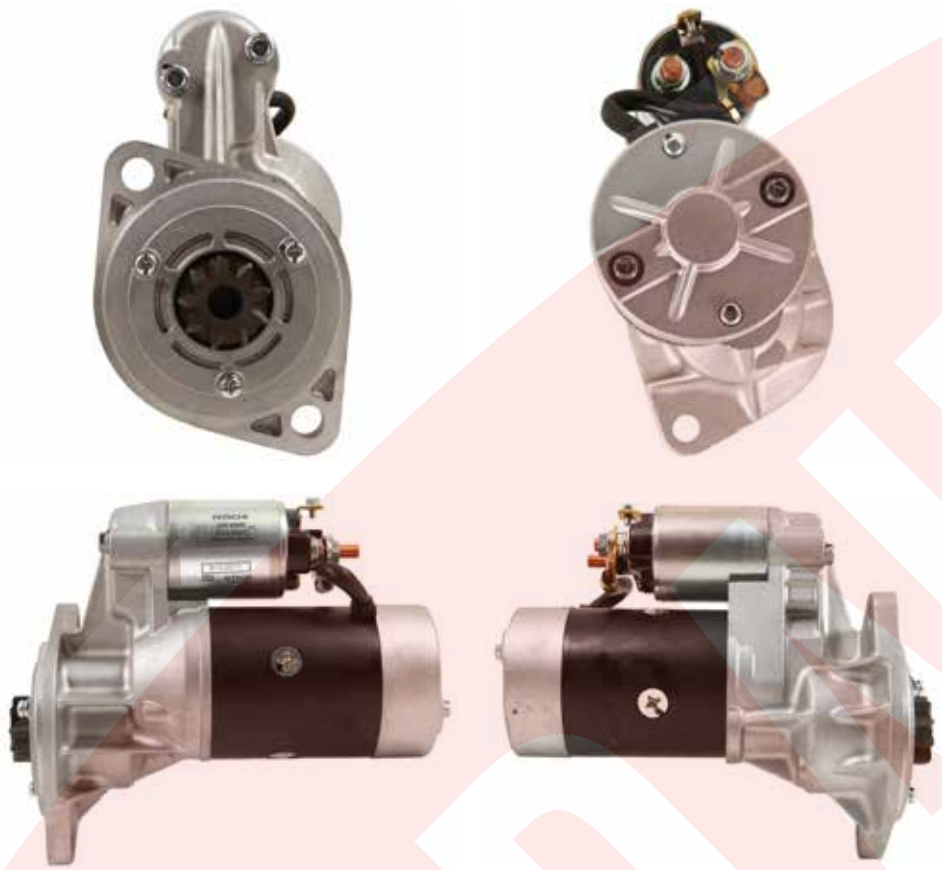
## HITS13-138

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 3.0kW |
| Teeth | 9 |
| Rotation | CW |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S13-138 |
| Yanmar | 129953-77010 |
| Cargo | 112672 |
| Delco | DRS0795 |
| Lucas | LRS01643 |
| Wood Auto | STR72003 |



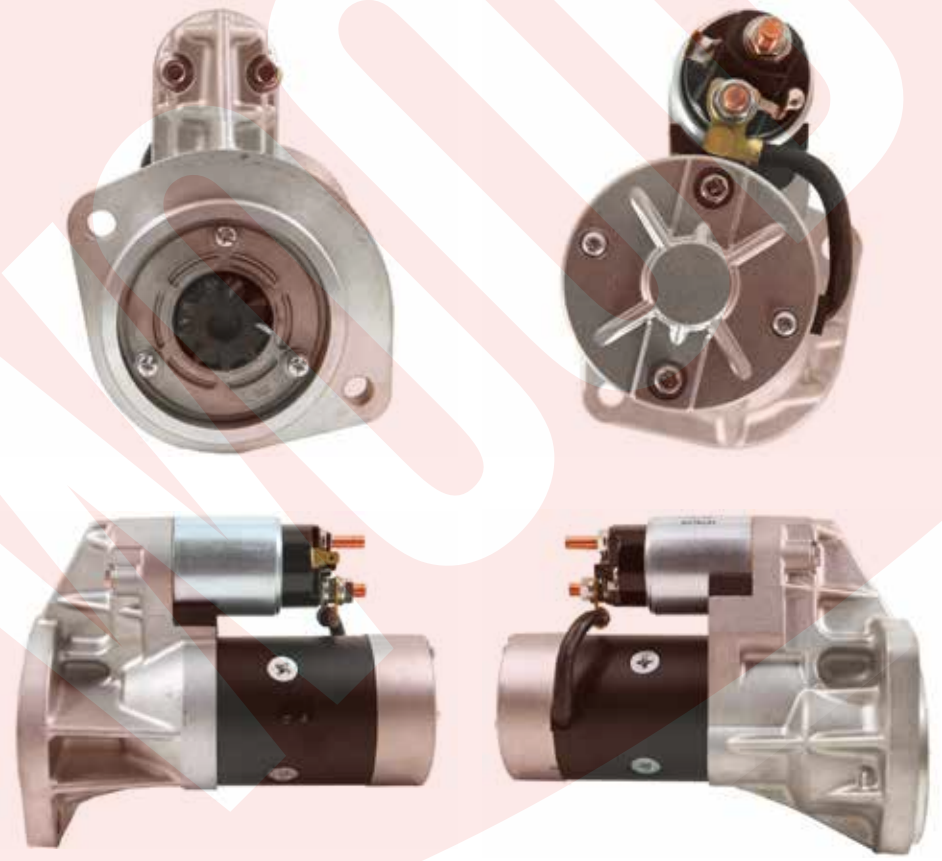
## HITS13-207

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 2.0kW |
| Teeth | 9 |
| Rotation | CW |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S13-207 |
| Yanmar | 129486-77011 |
| Cargo | 112371 |
| Delco | DRS3376 |
| Lucas | LRS01609 |
| Wood Auto | STR72009 |



## HITS13-212

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 2.0kW |
| Teeth | 9 |
| Rotation | CW |

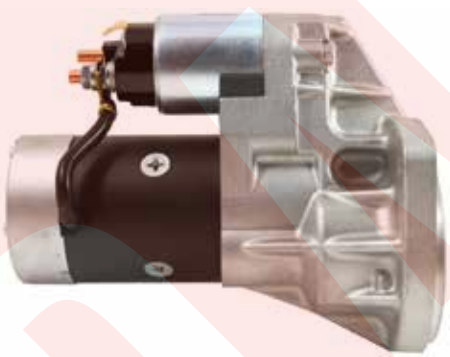
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S13-212 |
| Mitsubishi | M2T20771 |
| Nissan | 23300-7F400 |
| Nissan | 23300-10T01 |
| Nissan | 23300-2T700 |
| Bosch | 0986016031 |
| Cargo | 110574 |
| Delco | DRS3944 |
| HC Parts | JS660 |
| Lucas | LRS01170 |
| Wood Auto | STR72000 |









## HITS13-213

**SPECIFICATION:**

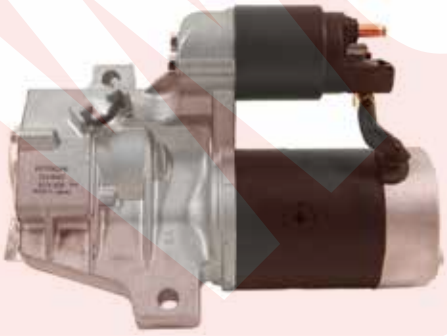
| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 2.0kW |
| Teeth | 9 |
| Rotation | CW |

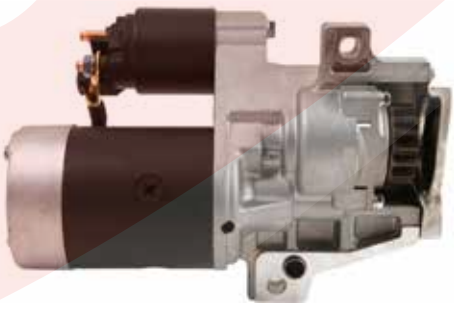
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S13-213 |
| Nissan | 23300-6K200 |
| Nissan | 23300-6K20A |









## HITS13-250

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 2.3kW |
| Teeth | 15 |
| Rotation | CCW |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S13-250 |
| VW | 09A911023A |
| VW | 09A911023B |
| Cargo | 115523 |
| Delco | DRS0463 |
| HC Parts | CS1390 |
| Lucas | LRS01465 |
| Wood Auto | STR72109 |

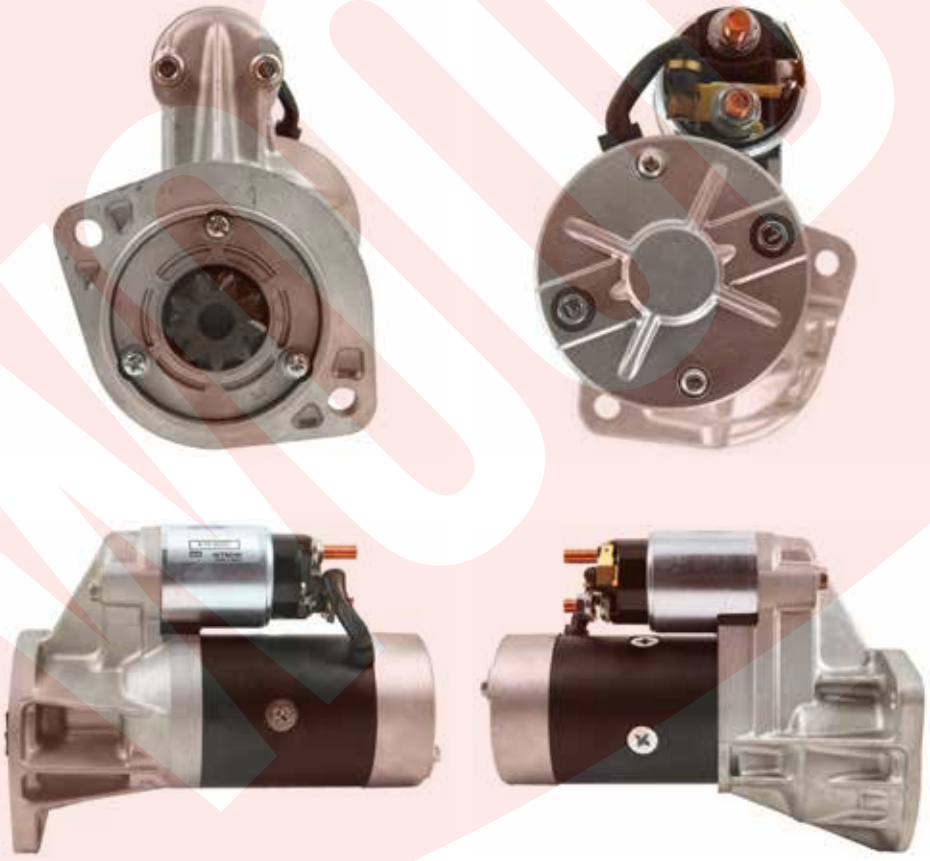
# HITS13-294

**SPECIFICATION:**

Voltage . . . . . 12V
Kilowatt . . . . . 2.3kW
Teeth . . . . . 15
Rotation . . . . . CW

**CROSS REFERENCES:**

Hitachi . . . . . S13-294
Yanmar . . . . . 129400-77012
Cargo . . . . . 112374
Delco . . . . . DRS0052
Lucas . . . . . LRS01501
Wood Auto . . . . . STR23008



# HITS13-302

**SPECIFICATION:**

Voltage . . . . . 12V
Kilowatt . . . . . 2.0kW
Teeth . . . . . 9
Rotation . . . . . CW

**CROSS REFERENCES:**

Hitachi . . . . . S13-302
Nissan . . . . . 23300-0Y006
Bosch . . . . . 0986017601
Cargo . . . . . 111445
Delco . . . . . DRS3168
HC Parts . . . . . JS650
Lucas . . . . . LRS01184
Wood Auto . . . . . STR72065



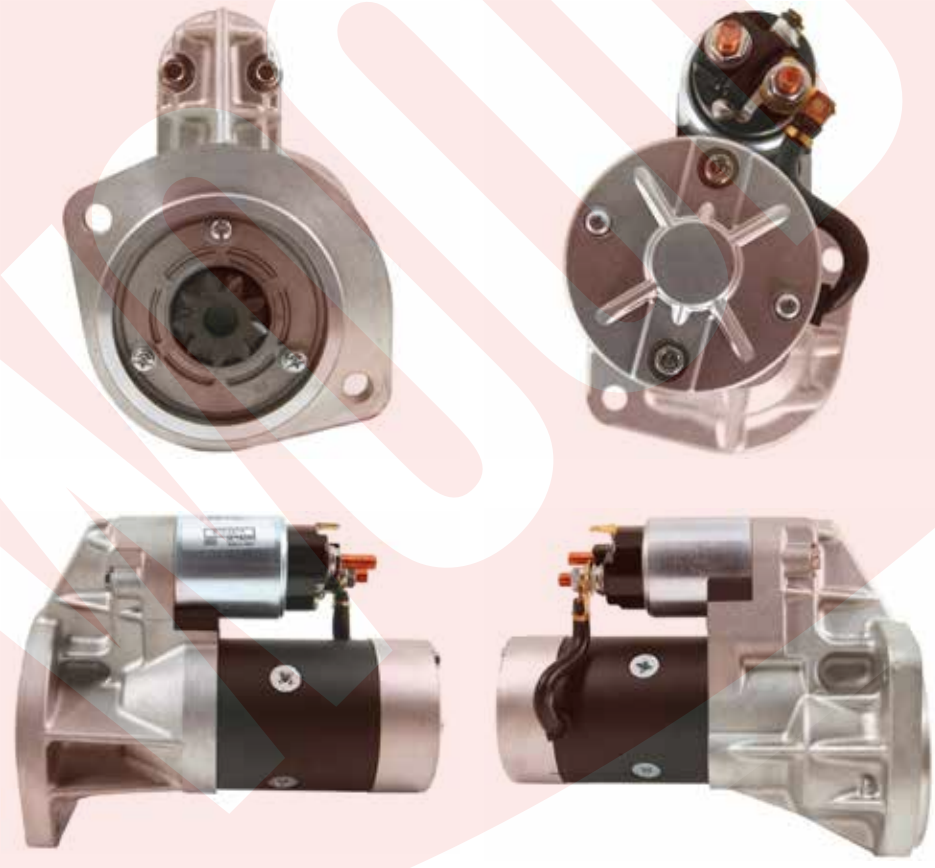
## HITS13-326

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 2.2kW |
| Teeth | 9 |
| Rotation | CW |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S13-326 |
| Nissan | 23300-1S900 |
| Nissan | 23300-0T600 |
| Nissan | 23300-54T00 |
| Bosch | 0986022690 |
| Cargo | 112365 |
| Delco | DRS3856 |
| HC Parts | JS1159 |
| Lucas | LRS01343 |
| Wood Auto | STR72036 |



## HITS13-327

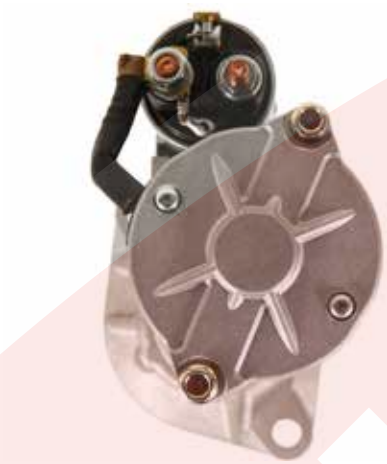
**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 2.5kW |
| Teeth | 9 |
| Rotation | CW |

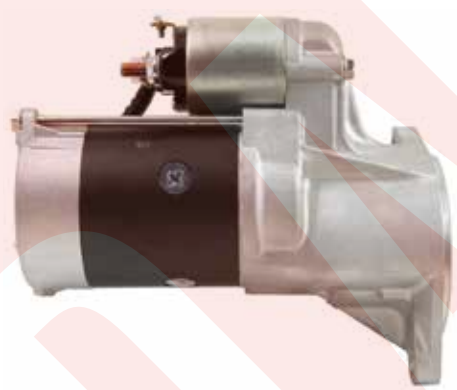
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S13-327 |
| Nissan | 23300-6T00A |
| Nissan | 23300-10T01 |
| Cargo | 110574 |
| Delco | DRS3165 |
| HC Parts | JS660 |
| Lucas | LRS00727 |
| Wood Auto | STR72000 |









## HITS13-514

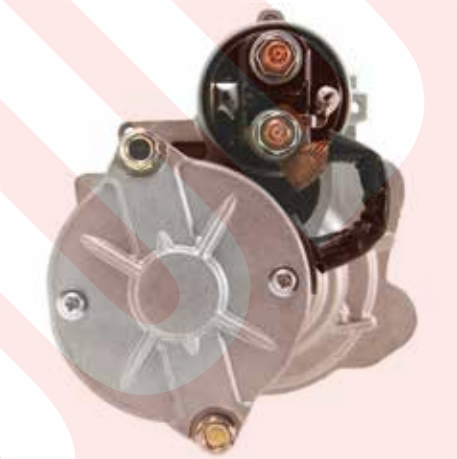
**SPECIFICATION:**

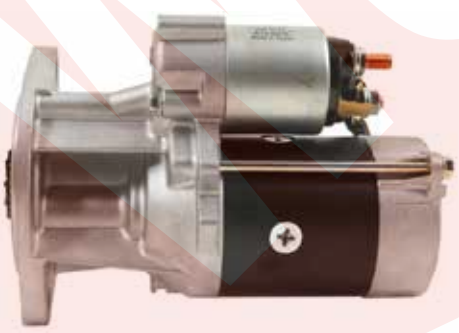
| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 2.8kW |
| Teeth | 9 |
| Rotation | CW |

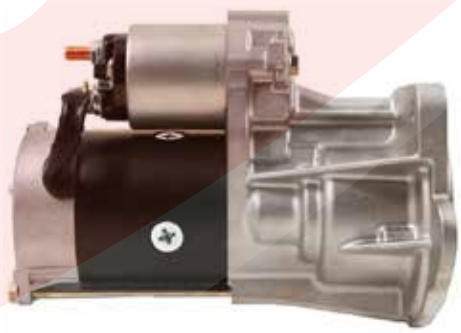
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S13-514 |
| Isuzu | 897136-6880 |
| Isuzu | 897255-3901 |
| Bosch | 0986020111 |
| Cargo | 112083 |
| HC Parts | JS999 |
| Wood Auto | STR6012 |









## HITS13-527

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 2.5kW |
| Teeth | 9 |
| Rotation | CW |

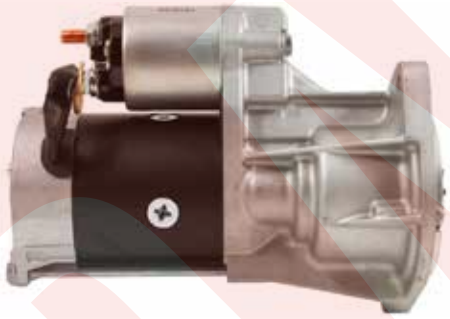
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S13-527 |
| Nissan | 23300-2W20B |
| Cargo | 114032 |
| Delco | DRS0089 |
| Lucas | LRS02182 |
| Wood Auto | STR72048 |









## HITS13-551

**SPECIFICATION:**

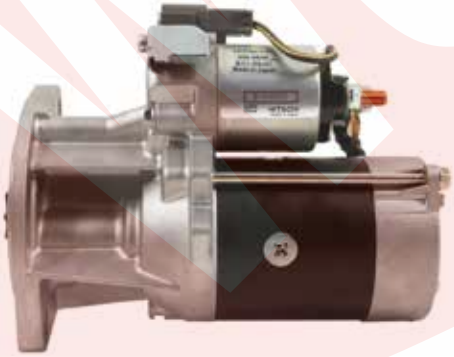
| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 2.5kW |
| Teeth | 9 |
| Rotation | CW |

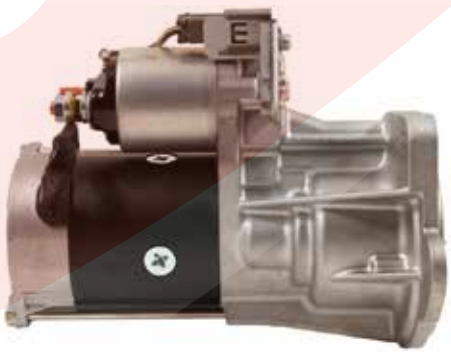
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S13-551 |
| Nissan | 23300-VC101 |
| Nissan | 23300-VC10B |
| Cargo | 114764 |
| Delco | DRS0478 |
| Lucas | LRS01750 |
| Wood Auto | STR72054 |









## HITS13-553

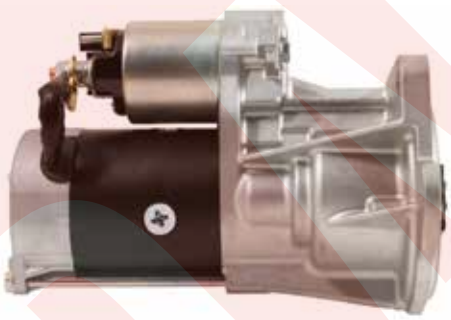
**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 2.5kW |
| Teeth | 9 |
| Rotation | CW |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S13-553 |
| Nissan | 23300-VW201 |
| Nissan | 23300-VW20A |
| Nissan | 23300-VW20B |



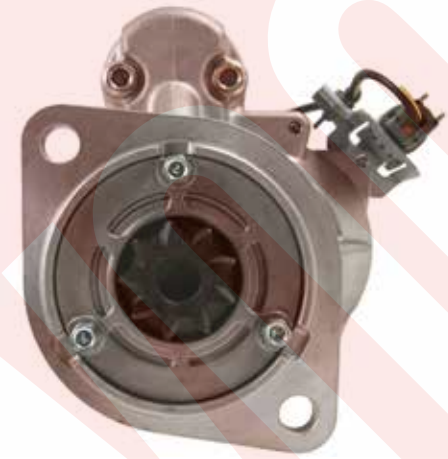
## HITS13-556

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 2.5kW |
| Teeth | 9 |
| Rotation | CW |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S13-556 |
| Nissan | 23300-DB000 |
| Nissan | 23300-DB00A |
| Opel | 93179580 |
| Renault | 5010437728 |
| Renault | 7485003131 |
| Renault | 7485115899 |
| Cargo | 114032 |
| Delco | DRS0615 |
| HC Parts | CS1491 |
| Lucas | LRS02182 |
| Wood Auto | STR72048 |






## HITS13-562

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 2.5kW |
| Teeth | 9 |
| Rotation | CW |

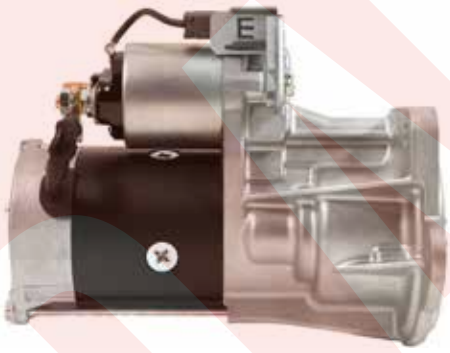
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S13-562 |
| Nissan | 23300-VC101 |
| Nissan | 23300-VC10B |
| Nissan | 23300-VS40A |
| Nissan | 23300-VS40B |









## HITS13-759

**SPECIFICATION:**

Voltage . . . . . 12V
Kilowatt . . . . . 2.5kW
Teeth . . . . . 9
Rotation . . . . . CW

**CROSS REFERENCES:**

Hitachi . . . . . S13-559
Hitachi . . . . . S13-759
Nissan . . . . . 23300-MA70C
Delco . . . . . DRS0907

## HITS13-763

**SPECIFICATION:**

Voltage . . . . . 12V
Kilowatt . . . . . 2.5kW
Teeth . . . . . 9
Rotation . . . . . CW

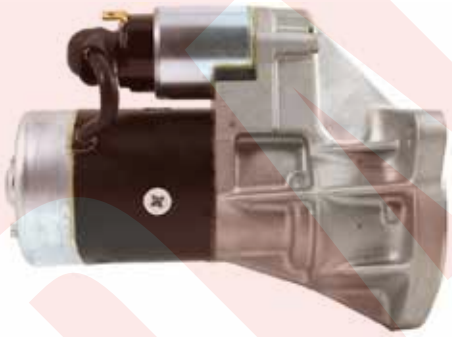
**CROSS REFERENCES:**

Hitachi . . . . . S13-563
Hitachi . . . . . S13-763
Nissan . . . . . 23300-MA70A
Nissan . . . . . 23300-MA71C
Nissan . . . . . 23300-MA71E









## HITS14-02

**SPECIFICATION:**

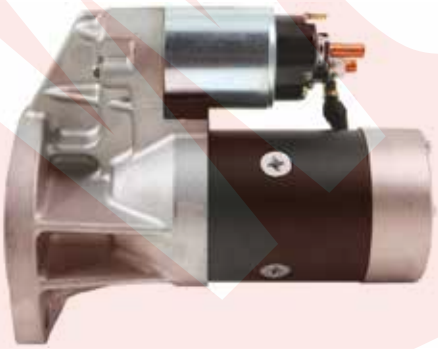
| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 3.5kW |
| Teeth | 11 |
| Rotation | CW |

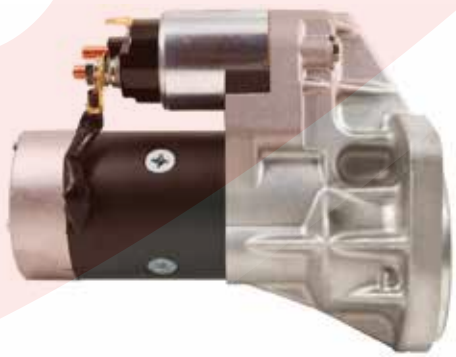
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S14-02 |
| Nissan | 23300-05D01 |
| Wood Auto | STR72061 |









## HITS14-205

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 2.5kW |
| Teeth | 9 |
| Rotation | CW |

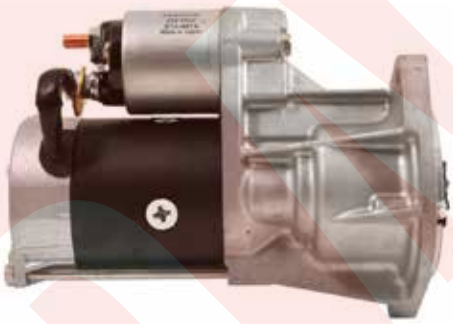
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S14-205 |
| Nissan | 23300-1W400 |
| Bosch | 0986016031 |
| Cargo | 110574 |
| Delco | DRS3165 |
| HC Parts | JS660 |
| Lucas | LRS00727 |
| Wood Auto | STR6008A |









## HITS14-407

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 2.8kW |
| Teeth | 9 |
| Rotation | CW |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S14-407 |
| Nissan | 23300-VC111 |
| Nissan | 23300-VC11A |
| Nissan | 23300-VC11B |
| Delco | DRS0479 |
| Lucas | LRS02372 |









## HITS24-03

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 24V |
| Kilowatt | 3.5kW |
| Teeth | 9 |
| Rotation | CW |

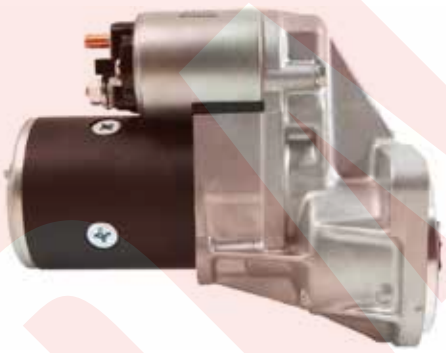
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S24-03 |
| Isuzu | 894333-4380 |
| Cargo | 110723 |
| Delco | DRS3219 |
| HC Parts | JS748 |
| Lucas | LRS01834 |
| Wood Auto | STR72045 |









## HITS114-482

**SPECIFICATION:**

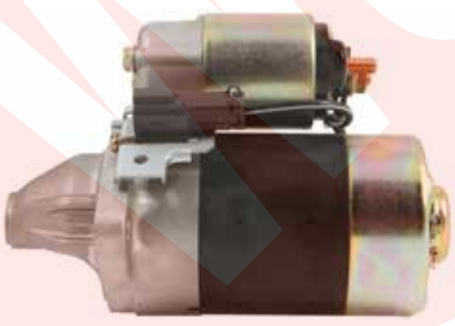
| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 1.4kW |
| Teeth | 9 |
| Rotation | CW |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-471 |
| Hitachi | S114-482 |
| Nissan | 23300-03J00 |
| Nissan | 23300-37J00 |
| Nissan | 23300-37J05 |
| Nissan | 23300-52H00 |
| Cargo | 111586 |
| Delco | DRS3845 |
| Lucas | LRS01614 |
| Wood Auto | STR72037 |









## HITS114-570

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 0.8kW |
| Teeth | 8 |
| Rotation | CW |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-570 |
| Nissan | 23300-53Y00 |
| Nissan | 23300-65Y11 |
| Nissan | 23300-70J00 |
| Nissan | 23300-73Y00 |
| Bosch | 0986016581 |
| Cargo | 111303 |
| Delco | DRS3164 |
| HC Parts | JS672 |
| Lucas | LRS00704 |
| Wood Auto | STR72040 |



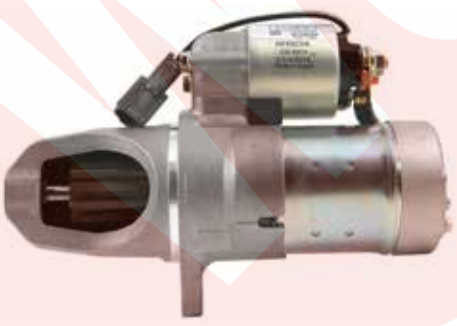


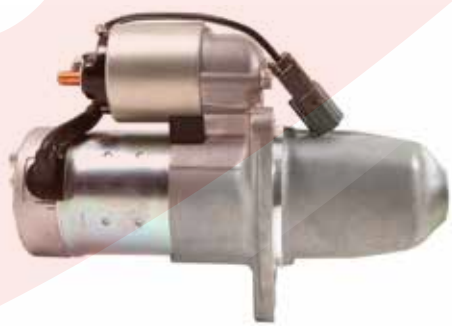












## HITS114-800

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 1.2kW |
| Teeth | 8 |
| Rotation | CW |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-533 |
| Hitachi | S114-800 |
| Nissan | 23300-0M200 |
| Nissan | 23300-0M300 |
| Nissan | 23300-0M30A |
| Nissan | 23300-81N00 |
| Bosch | 0986017661 |
| Cargo | 111459 |
| Delco | DRS3353 |
| HC Parts | JS1100 |
| Lucas | LRS01265 |
| Wood Auto | STR72040 |

## HITS114-801

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 1.4kW |
| Teeth | 8 |
| Rotation | CCW |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-801 |
| Nissan | 23300-2Y900 |
| Nissan | 23300-2Y90A |
| Nissan | 23300-31U00 |
| Nissan | 23300-31U01 |
| Nissan | 23300-31U02 |
| Bosch | 0986020691 |
| Cargo | 111382 |
| Delco | DRS3603 |
| HC Parts | JS924 |
| Lucas | LRS01310 |
| Wood Auto | STR3305 |

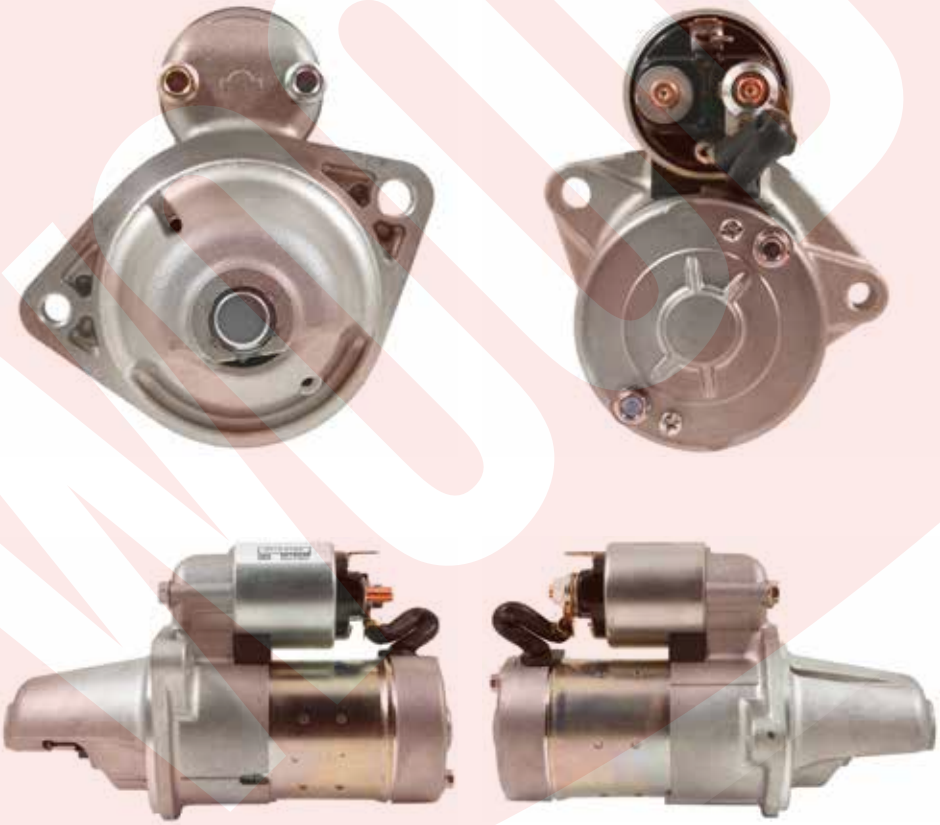
# HITS114-805

**SPECIFICATION:**

Voltage . . . . . 12V
Kilowatt . . . . . 1.4kW
Teeth . . . . . 9
Rotation . . . . . CW

**CROSS REFERENCES:**

Hitachi . . . . . S114-805
Nissan . . . . . 23300-2J206



# HITS114-818

**SPECIFICATION:**

Voltage . . . . . 12V
Kilowatt . . . . . 1.2kW
Teeth . . . . . 8
Rotation . . . . . CW

**CROSS REFERENCES:**

Hitachi . . . . . S114-818
Mitsubishi . . . . . M2T37081
Nissan . . . . . 23300-4J600
Nissan . . . . . 23300-5J201
Bosch . . . . . 0986012290
Delco . . . . . DRS0828
Lucas . . . . . LRS01696





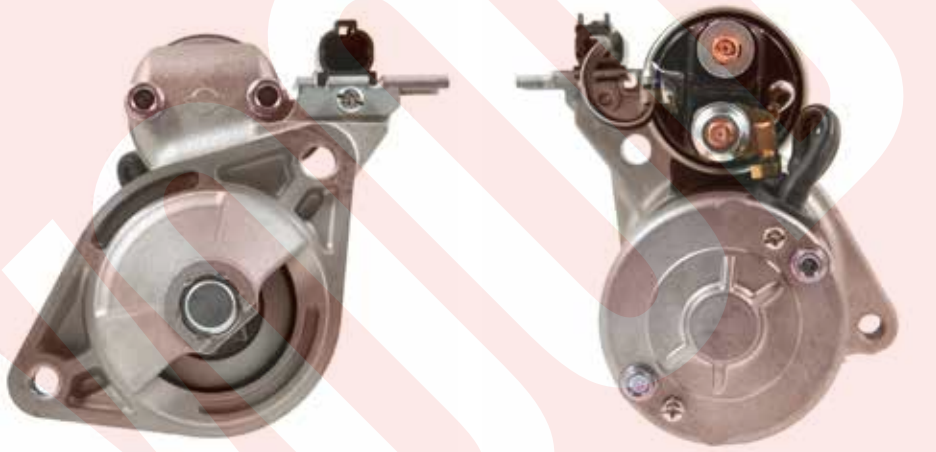
## HITS114-840

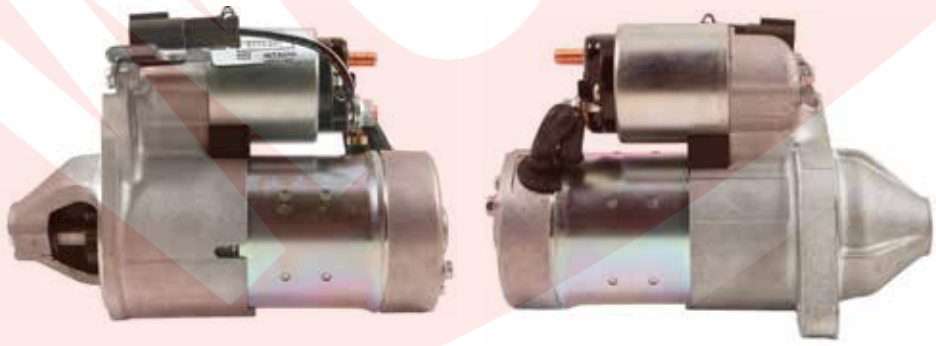
**SPECIFICATION:**

Voltage . . . . . 12V
Kilowatt . . . . . 1.2kW
Teeth . . . . . 10
Rotation . . . . . CW

**CROSS REFERENCES:**

Hitachi . . . . . S114-840
Nissan . . . . . 23300-6N200
Nissan . . . . . 23300-6N20A
Delco . . . . . DRS0139
Lucas . . . . . LRS02313
Wood Auto . . . . . STR72212





## HITS114-841

**SPECIFICATION:**

Voltage . . . . . 12V
Kilowatt . . . . . 1.2kW

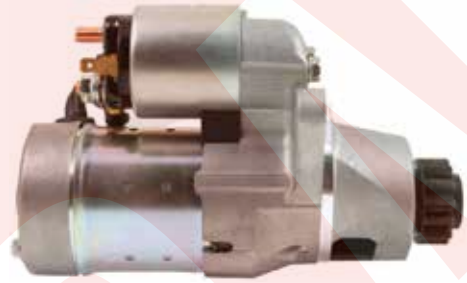
**CROSS REFERENCES:**

Hitachi . . . . . S114-841
Nissan . . . . . 23300-6N160









## HITS114-844

**SPECIFICATION:**

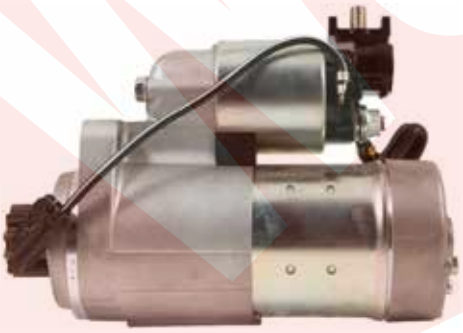
| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 1.4kW |
| Teeth | 13 |
| Rotation | CCW |

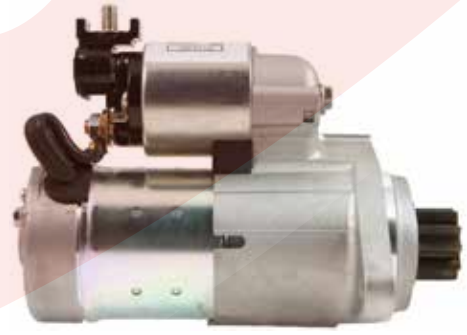
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-844 |
| Nissan | 23300-8H300 |
| Nissan | 23300-8H30A |
| Cargo | 114763 |
| Delco | DRS3918 |
| HC Parts | JS1306 |
| Lucas | LRS01753 |
| Wood Auto | STR72055 |









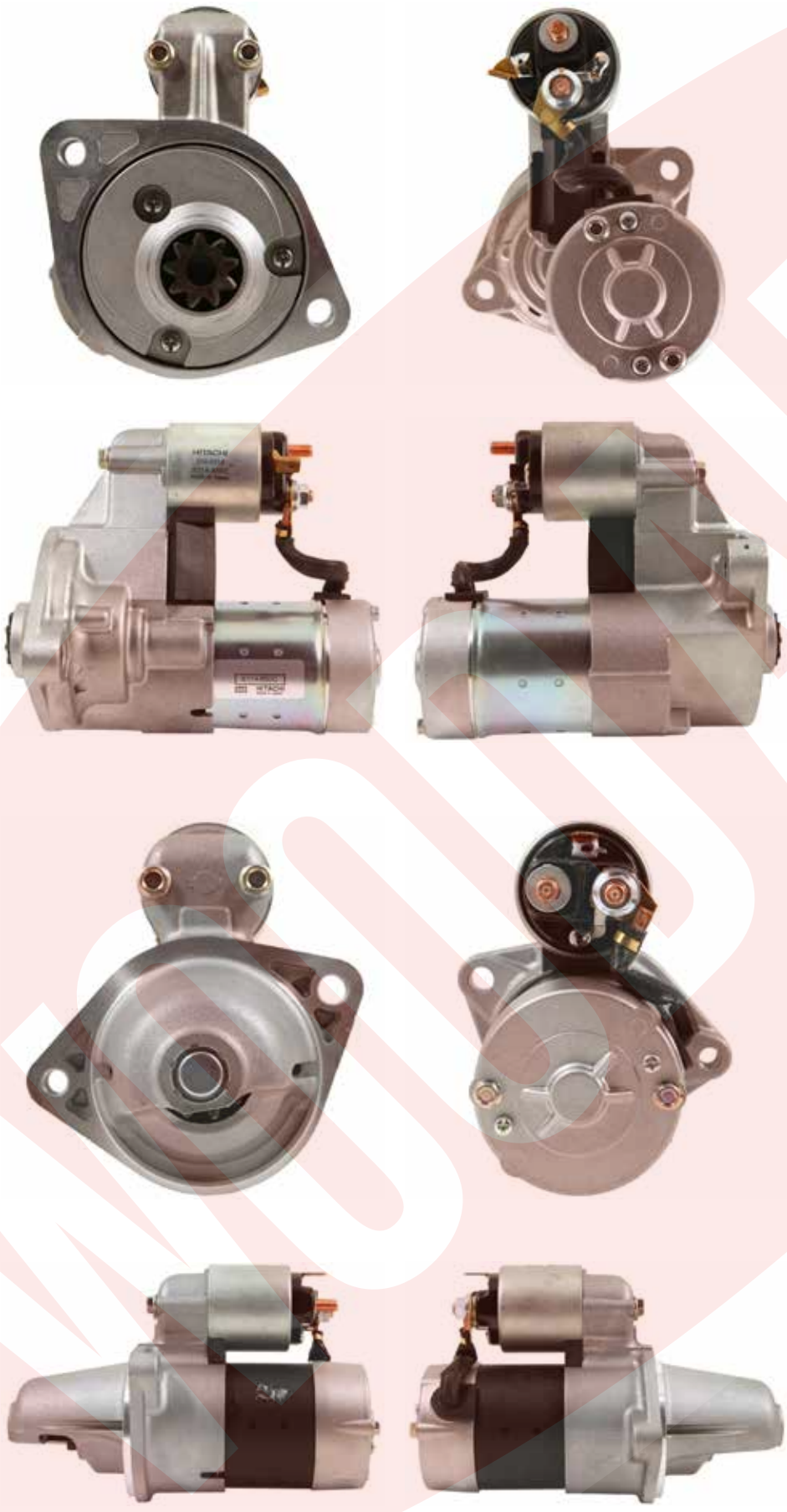
## HITS114-847

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-847 |
| Nissan | 23300-AL600 |



## HITS114-850

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 1.4kW |
| Teeth | 9 |
| Rotation | CW |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-850 |
| Isuzu | 897133-3690 |
| Isuzu | 897150-2030 |
| Opel | 1202026 |
| Opel | 1202161 |
| Vauxhall | R1040032 |
| Bosch | 0986018321 |
| Cargo | 111534 |
| Delco | DRS3394 |
| HC Parts | JS941 |
| Lucas | LRS00974 |
| Wood Auto | STR72019 |

## HITS114-871

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 1.7kW |
| Teeth | 10 |
| Rotation | CW |

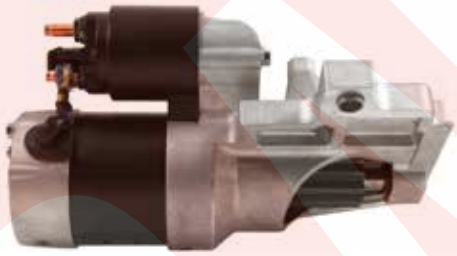
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-871 |
| Nissan | 23300-4J606 |
| Bosch | 0986023680 |
| Delco | DRS3868 |
| HC Parts | JS1225 |
| Lucas | LRS01642 |
| Wood Auto | STR72002 |









## HITS114-875

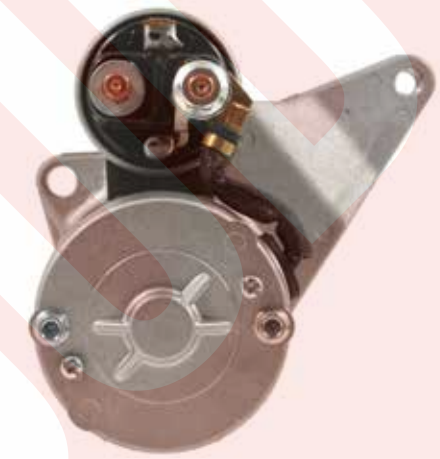
**SPECIFICATION:**

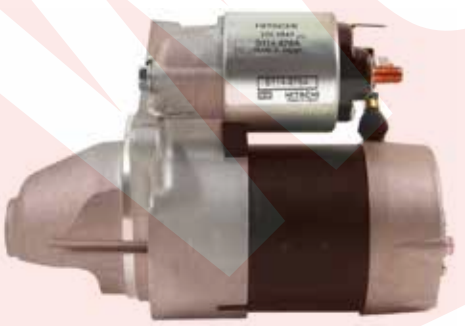
| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 1.4kW |
| Teeth | 10 |
| Rotation | CCW |

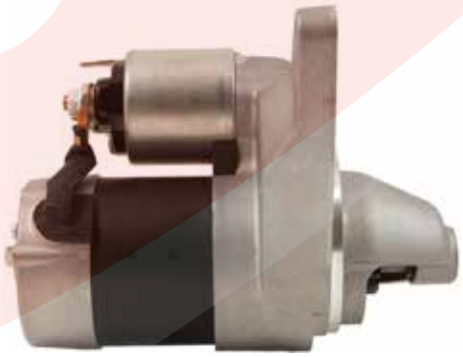
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-875 |
| VW | 09A911023 |
| Cargo | 114308 |
| Delco | DRS0495 |
| HC Parts | CS1477 |
| Lucas | LRS01641 |









## HITS114-876

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 1.2kW |
| Teeth | 10 |
| Rotation | CW |

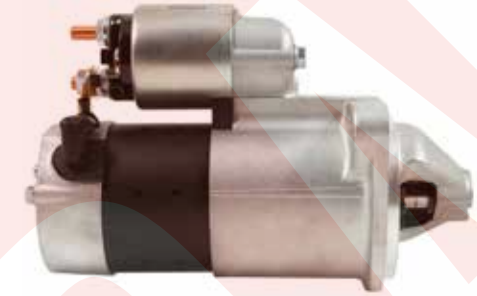
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-876 |
| Nissan | 23300-6N205 |
| Nissan | 23300-6N20B |
| Delco | DRS0139 |
| Lucas | LRS02498 |
| Wood Auto | STR72218 |









## HITS114-878

**SPECIFICATION:**

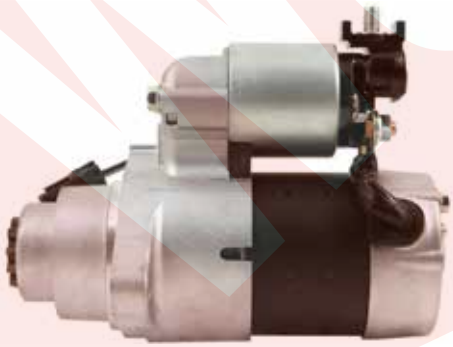
| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 1.4kW |
| Teeth | 9 |
| Rotation | CW |

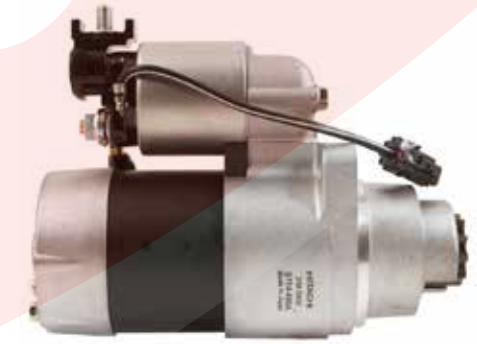
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-878 |
| Nissan | 23300-VC200 |
| Nissan | 23300-VC201 |
| Nissan | 23300-VC20A |









## HITS114-880

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 1.7kW |
| Teeth | 10 |
| Rotation | CW |

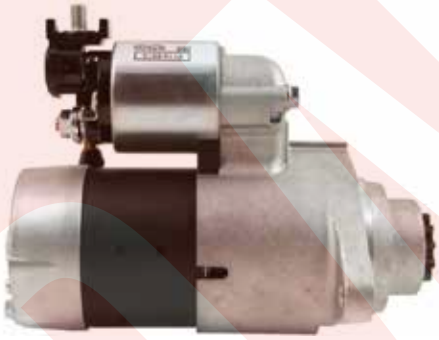
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-880 |
| Nissan | 23300-AM600 |
| Nissan | 23300-AM60A |
| Delco | DRS0643 |
| Wood Auto | STR72216 |









## HITS114-881

**SPECIFICATION:**

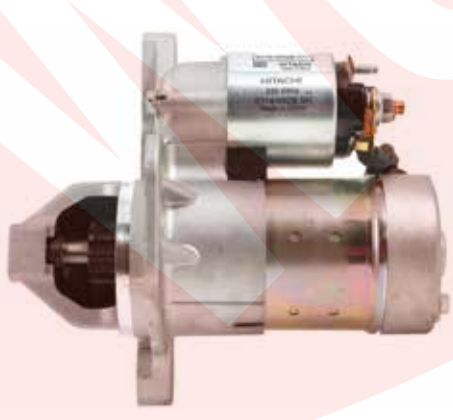
| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 1.4kW |
| Teeth | 10 |
| Rotation | CW |

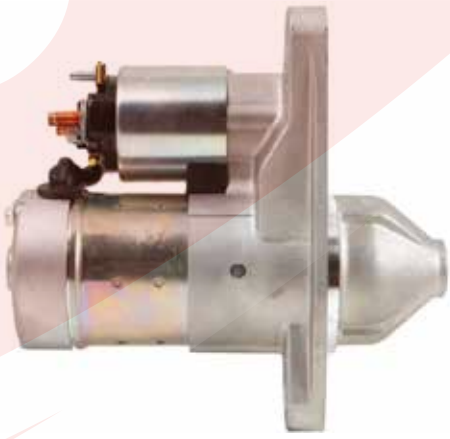
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-881 |
| Nissan | 2300-CG000 |
| Nissan | 2300-CG00A |
| Delco | DRS0675 |
| Wood Auto | STR72217 |









## HITS114-902

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 1.0kW |
| Teeth | 10 |
| Rotation | CW |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-902 |
| Nissan | 23300-EN200 |
| Nissan | 23300-EN20A |
| Nissan | 23300-EN20B |
| Nissan | 23300-EN20D |
| Cargo | 115341 |
| Delco | DRS0376 |
| HC Parts | CS1418 |
| Lucas | LRS02583 |
| Wood Auto | STR72117 |

## HITS114-916

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 1.4kW |
| Teeth | 13 |
| Rotation | CCW |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-836 |
| Hitachi | S114-916 |
| Yamaha | 68F-81800-01 |
| Yamaha | 68F-81800-03 |
| Yamaha | 6CJ-81800-00 |
| Yamaha | 6CJ-818000-20 |



## HITS114-922

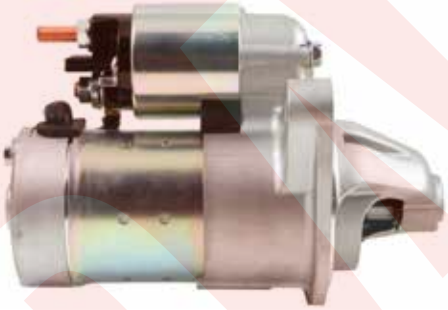
**SPECIFICATION:**

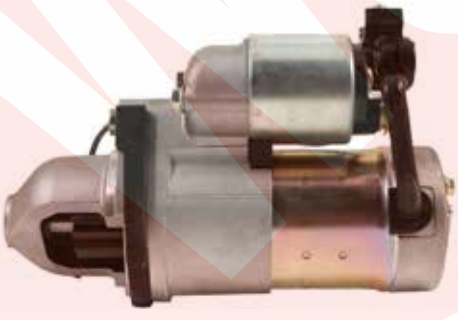
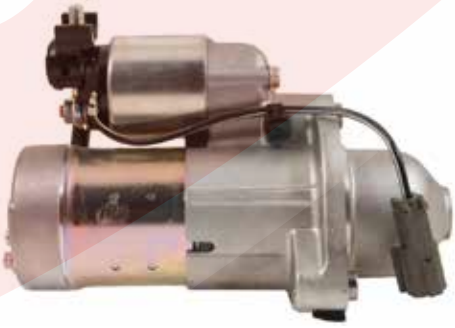
| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 1.2kW |
| Teeth | 10 |
| Rotation | CW |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-922 |
| Nissan | 23300CK800 |
| Nissan | 23300CK80B |
| Renault | 7701065384 |
| Renault | 8201268221 |
| Cargo | 115341 |
| Delco | DRS0376 |
| Lucas | LRS02583 |
| Wood Auto | STR72117 |



## HITS114-925

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 1.4kW |
| Teeth | 13 |
| Rotation | CW |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-829 |
| Hitachi | S114-869 |
| Hitachi | S114-925 |
| Isuzu | 8980147430 |
| Opel | 93174028 |
| Opel | 97189118 |
| Bosch | 0986019361 |
| Cargo | 112320 |
| Delco | DRS3679 |
| HC Parts | JS1158 |
| Lucas | LRT00224 |
| Wood Auto | STR72031 |

## HITS114-928

**SPECIFICATION:**

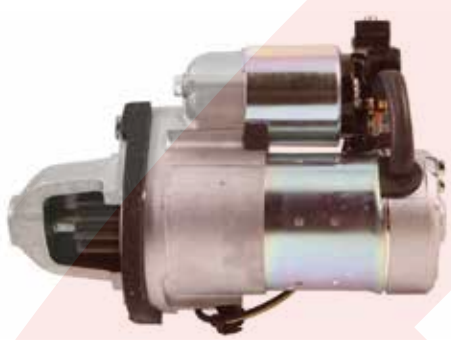
| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 1.6kW |
| Teeth | 12 |
| Rotation | CW |

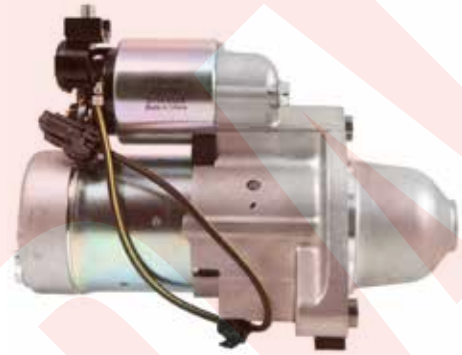
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-928 |
| Nissan | 23300-EV10A |
| Nissan | 23300-EV10B |
| Delco | DRS0591 |









## HITS114-932

**SPECIFICATION:**

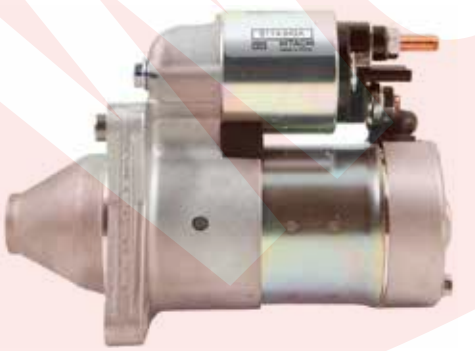
| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 1.6kW |
| Teeth | 10 |
| Rotation | CW |

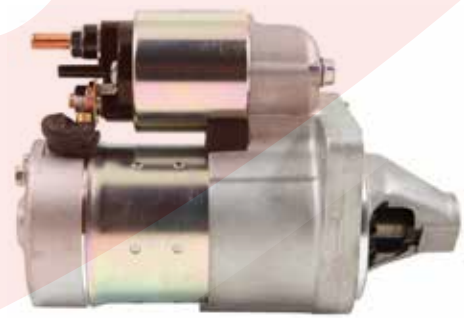
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-932 |
| Nissan | 23300-EY00A |
| Nissan | 23300-EY00C |
| Nissan | 23300-EY00D |









## HITS114-943

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 0.9kW |
| Teeth | 10 |
| Rotation | CW |

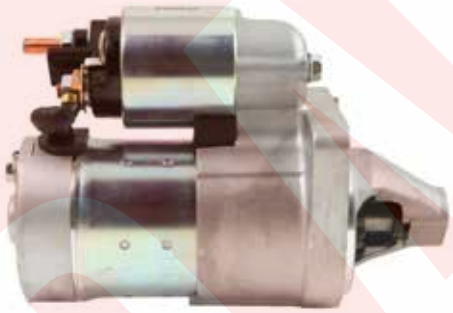
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-906 |
| Hitachi | S114-943 |
| Hitachi | S114-948 |
| Fiat | 46813058 |
| Fiat | 46813064 |
| Fiat | 46816973 |
| Bosch | 0986021590 |
| Cargo | 113962 |
| Delco | DRS0443 |
| HC Parts | CS1379 |
| Lucas | LRS01726 |
| Wood Auto | STR52053 |









## HITS114-947

**SPECIFICATION:**

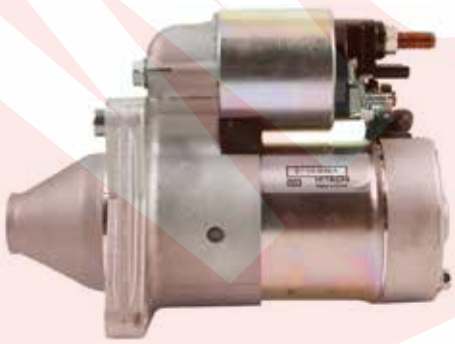
| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 1.0kW |
| Teeth | 10 |
| Rotation | CW |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-947 |
| Fiat | 51890632 |
| Fiat | 51832951 |









## HITS114-949

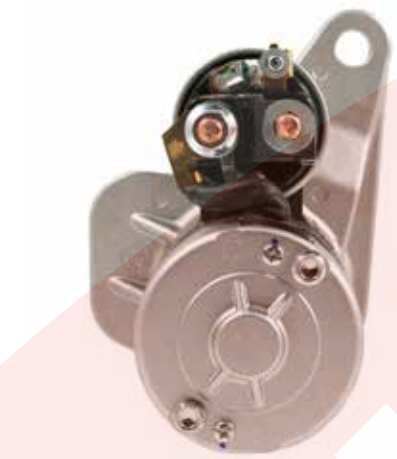
**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 1.0kW |
| Teeth | 10 |
| Rotation | CW |

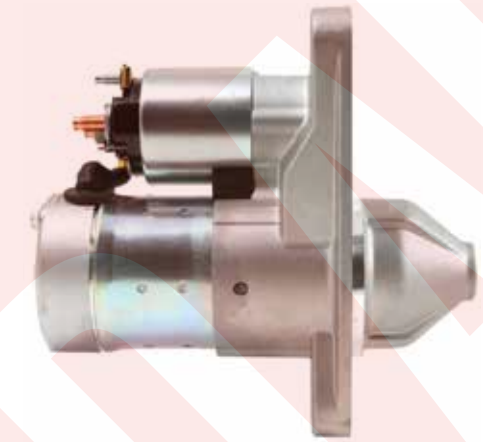
**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-903 |
| Hitachi | S114-949 |
| Fiat | 51890633 |
| Bosch | 0986024210 |
| Cargo | 112382 |
| Delco | DRS0193 |
| HC Parts | CS1192 |
| Lucas | LRS01586 |
| Wood Auto | STR52025 |









# HITS114-955

**SPECIFICATION:**

| | |
|---|---|
| Voltage | 12V |
| Kilowatt | 1.0kW |
| Teeth | 10 |
| Rotation | CW |

**CROSS REFERENCES:**

| | |
|---|---|
| Hitachi | S114-955 |
| Nissan | 23300-EN20C |
| Nissan | 23300-EN20E |
| Delco | DRS0634 |
| Lucas | LRS02583 |
| Wood Auto | STR72117 |

| VEHICLE | ENGINE | CC | MODEL YEAR | ALTERNATOR | CRITERIA |
|---|---|---|---|---|---|
| **Audi** | | | | | |
| **A8 (4E_)** | | | | | |
| 3.2 FSI | BPK | 3123 | 06.2005 - 07.2010 | HITLR1190-916 | |
| 3.2 FSI quattro | BPK | 3123 | 06.2005 - 07.2010 | HITLR1190-916 | |
| 4.2 TDI quattro | BMC | 4134 | 01.2005 - 06.2005 | HITLR1190-916 | |
| | BVN | 4134 | 07.2005 - 07.2010 | HITLR1190-916 | |
| **Q7 (4L)** | | | | | |
| 3.0 TDI | CASA; CCMA; CJGA; CNRB | 2967 | 11.2007 - | HITLR1190-937 | |
| | CATA | 2967 | 06.2009 - 05.2012 | HITLR1190-937 | from year 2010 |
| 3.6 FSI | BHK | 3597 | 08.2006 - 05.2010 | HITLR1190-919 | from Chassis No. 4L-8-150000 |
| 4.2 TDI | BTR | 4134 | 03.2007 - 06.2009 | HITLR1190-916 | from Chassis No. 4L-8-150000 |
| **Honda** | | | | | |
| **CIVIC VII Hatchback (EU, EP, EV)** | | | | | |
| 1.7 CTDi | 4EE-2 | 1686 | 01.2002 - 09.2005 | HITLR1100-502 | |
| **Hyundai** | | | | | |
| **H-1 Box** | | | | | |
| 2.5 TD | D4BH | 2476 | 03.2000 - 04.2004 | HITLR190-734 | |
| **Infiniti** | | | | | |
| **QX4** | | | | | |
| 3.3 | VG33E | 3275 | 01.1997 - | HITLR190-737 | from 10.1997 AT |
| **Isuzu** | | | | | |
| **CAMPO (KB)** | | | | | |
| 2.5 D 4WD | 4JA1 | 2499 | 01.1983 - 12.1990 | HITLR150-449 | |
| **D-MAX (8DH)** | | | | | |
| 2.5 D | 4JA1-TC | 2499 | 10.2002 - | HITLR180-513 | |
| 3.0 DiTD 4x4 | 4JH1-TC | 2999 | 05.2002 - | HITLR180-513 | |
| **TROOPER (UB)** | | | | | |
| 3.1 TD | 4JG2 T | 3059 | 08.1991 - 07.1998 | HITLR150-449 | |
| **TROOPER (UBS)** | | | | | |
| 2.8 TD | 4JB1T | 2772 | 10.1987 - 12.1991 | HITLR150-449 | |
| | 4JB1-TC | 2772 | 10.1988 - 12.1991 | HITLR150-449 | |
| **TROOPER Open Off-Road Vehicle (UB)** | | | | | |
| 3.1 TD | 4JG2 T | 3059 | 08.1991 - 07.1998 | HITLR150-449 | |
| **Mazda** | | | | | |
| **323 C Mk V (BA)** | | | | | |
| 1.3 16V | B3 (16V) | 1324 | 08.1994 - 09.1998 | HITLR170-758 | |
| 1.5 16V | Z5-DE | 1489 | 08.1994 - 09.1998 | HITLR170-758 | |
| 1.8 16V | BP-ZE | 1840 | 08.1994 - 09.1998 | HITLR170-758 | |
| **323 F Mk IV (BG)** | | | | | |
| 1.8 4WD | BPC | 1840 | 01.1991 - 04.1994 | HITLR170-758 | |
| **323 F Mk V (BA)** | | | | | |
| 1.5 16V | Z5-DE | 1489 | 07.1994 - 09.1998 | HITLR170-758 | |
| 1.8 16V | BP-ZE | 1840 | 08.1994 - 09.1998 | HITLR170-758 | |
| **323 F/P Mk VI (BJ)** | | | | | |
| 1.4 | B3 (16V) | 1324 | 01.2001 - 05.2004 | HITLR170-758 | |
| 1.4 16V | B3 ME | 1324 | 09.1998 - 01.2001 | HITLR170-758 | |
| 1.5 16V | ZL05; ZL06 | 1498 | 09.1998 - 01.2001 | HITLR170-758 | |
| 1.6 | ZM | 1598 | 01.2001 - 05.2004 | HITLR170-758 | |
| | | | | HITLR180-766 | |
| 1.9 16V | FP55 | 1840 | 09.1998 - 01.2001 | HITLR180-766 | |
| 2.0 | FS7E; FS7G | 1991 | 01.2001 - 05.2004 | HITLR180-766 | |
| **323 P Mk V (BA)** | | | | | |
| 1.3 16V | B3 (16V) | 1324 | 10.1996 - | HITLR170-758 | |
| 1.5 16V | Z5-DE | 1489 | 10.1996 - | HITLR170-758 | |
| **323 S Mk V (BA)** | | | | | |
| 1.3 16V | B3 (16V) | 1324 | 08.1994 - 09.1998 | HITLR170-758 | |
| 1.5 16V | Z5-DE | 1489 | 08.1994 - 09.1998 | HITLR170-758 | |
| 1.8 16V | BP-ZE | 1840 | 08.1994 - 09.1998 | HITLR170-758 | |
| **323 S Mk VI (BJ)** | | | | | |
| 1.4 | B3 (16V) | 1324 | 01.2001 - 05.2004 | HITLR170-758 | |
| 1.4 16V | B3 ME | 1324 | 09.1998 - 01.2001 | HITLR170-758 | |
| 1.5 16V | ZL05; ZL06 | 1498 | 09.1998 - 01.2001 | HITLR170-758 | |
| 1.6 | B6 (DOHC) | 1598 | 09.1998 - 02.2001 | HITLR170-758 | |
| | ZM | 1598 | 01.2001 - 05.2004 | HITLR170-758 | |

| VEHICLE | ENGINE | CC | MODEL YEAR | ALTERNATOR | CRITERIA |
|---|---|---|---|---|---|
| | | | | HITLR180-766 | |
| 1.9 16V | FP55 | 1840 | 09.1998 - 05.2004 | HITLR180-766 | |
| 2.0 | FS7E; FS7G | 1991 | 01.2001 - 05.2004 | HITLR180-766 | |
| **626 MkV (GF)** | | | | | |
| 1.8 | FP9A | 1840 | 12.1999 - 10.2002 | HITLR180-766 | |
| | FPY3 | 1840 | 05.1997 - 12.1999 | HITLR180-766 | |
| 2.0 | FS | 1991 | 05.1997 - 10.2002 | HITLR180-766 | |
| | FS2C | 1991 | 04.1998 - 10.2002 | HITLR180-766 | |
| **626 MkV Estate (GW)** | | | | | |
| 1.8 | FP9A | 1840 | 01.2000 - 10.2002 | HITLR180-766 | |
| | FPY3 | 1840 | 02.1998 - 01.2000 | HITLR180-766 | |
| 2.0 | FS | 1991 | 02.1998 - 10.2002 | HITLR180-766 | |
| 2.0 H.P. | FS2C | 1991 | 02.1998 - 10.2002 | HITLR180-766 | |
| **626 MkV Hatchback (GF)** | | | | | |
| 1.8 | FP | 1840 | 12.1999 - 10.2002 | HITLR180-766 | |
| | FPY3 | 1840 | 05.1997 - 12.1999 | HITLR180-766 | |
| 2.0 | FS | 1991 | 05.1997 - 10.2002 | HITLR180-766 | |
| 2.0 H.P. | FS2C | 1991 | 02.1998 - 10.2002 | HITLR180-766 | |
| **DEMIO (DW)** | | | | | |
| 1.5 16V | B5 E | 1498 | 04.2000 - | HITLR170-758 | |
| **MX-3 (EC)** | | | | | |
| 1.6 i | B69 | 1598 | 07.1991 - | HITLR170-758 | |
| | B6D | 1598 | 01.1994 - | HITLR170-758 | |
| **MX-5 (NA)** | | | | | |
| 1.8 | BP (DOHC); BPF1 | 1840 | 02.1994 - 04.1998 | HITLR170-758 | |
| **MX-5 Mk II (NB)** | | | | | |
| 1.6 16V | B6D | 1598 | 05.1998 - 10.2005 | HITLR170-758 | |
| | | | | HITLR180-766 | |
| 1.8 | BPD | 1839 | 01.1998 - 07.2002 | HITLR170-758 | |
| | | | | HITLR180-766 | |
| 1.8 16V | BPD | 1840 | 11.2000 - 10.2005 | HITLR180-766 | |
| | BP-ZE | 1840 | 05.1998 - 10.2005 | HITLR170-758 | |
| | | | | HITLR180-766 | |
| **PREMACY (CP)** | | | | | |
| 1.8 | FP | 1840 | 07.1999 - 03.2005 | HITLR180-766 | |
| 1.9 | FP | 1840 | 07.1999 - 03.2005 | HITLR180-766 | |
| 2.0 | FS7E; FS7G | 1991 | 11.2001 - 03.2005 | HITLR180-766 | |
| **XEDOS 6 (CA)** | | | | | |
| 1.6 16V | B6 (DOHC) | 1598 | 06.1994 - 10.1999 | HITLR170-758 | |

# Nissan

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|---|---|---|---|---|---|
| **350 Z (Z33)** | | | | | |
| 3.5 | VQ35DE | 3498 | 04.2006 - | HITLR1110-712 | |
| | | | 10.2003 - | HITLR1110-712 | |
| **350 Z Roadster (Z33)** | | | | | |
| 3.5 | VQ35DE | 3498 | 03.2005 - | HITLR1110-712 | |
| | | | 04.2006 - | HITLR1110-712 | |
| **ALMERA (N15)** | | | | | |
| 1.4 | GA14DE | 1392 | 09.1995 - 07.2000 | HITLR170-746 | |
| 1.4 GX,LX | GA14DE | 1392 | 09.1995 - 07.2000 | HITLR170-746 | |
| 1.6 | GA16DE | 1597 | 09.1995 - 07.2000 | HITLR170-746 | |
| | | | | HITLR180-762 | |
| 1.6 SLX | GA16DE | 1597 | 09.1995 - 07.2000 | HITLR170-746 | |
| **ALMERA Hatchback (N15)** | | | | | |
| 1.4 | GA14DE | 1392 | 09.1995 - 03.2000 | HITLR170-746 | |
| 1.4 S,GX,LX | GA14DE | 1392 | 09.1995 - 03.2000 | HITLR170-746 | |
| 1.6 | GA16DE | 1597 | 07.1995 - 03.2000 | HITLR170-746 | |
| | | | 09.1995 - 03.2000 | HITLR170-746 | |
| | | | | HITLR180-762 | |
| 1.6 SR,SLX | GA16DE | 1597 | 09.1995 - 03.2000 | HITLR170-746 | |
| | | | | HITLR180-762 | |
| **ALMERA Mk II (N16)** | | | | | |
| 1.5 | GA15DE; QG15DE | 1498 | 03.2001 - | HITLR180-762 | |
| | QG15DE | 1497 | 10.2002 - | HITLR180-762 | |
| | | 1498 | 03.2000 - | HITLR180-762 | to 07.2002 |
| | | | 07.2000 - | HITLR180-762 | |
| 1.5 XL | QG15DE | 1498 | 03.2001 - | HITLR180-762 | |
| 1.8 | QG18DE | 1769 | 01.2002 - | HITLR180-762 | |
| | | | 07.2000 - | HITLR180-762 | |
| | | | 10.2002 - | HITLR180-762 | |
| 2.2 dCi | YD22DDT | 2184 | 09.2003 - | HITLR1100-724 | |
| | YD22DDTi | 2184 | 09.2003 - | HITLR1100-724 | |
| 2.2 Di | YD22DDT | 2184 | 03.2000 - | HITLR1100-724 | |
| | | | 07.2000 - | HITLR1100-724 | |

| VEHICLE | ENGINE | CC | MODEL YEAR | ALTERNATOR | CRITERIA |
|---|---|---|---|---|---|
| **ALMERA TINO (V10)** | | | | | |
| 1.8 | QG18DE | 1769 | 08.2000 - | HITLR180-762 | |
| | | | 12.2002 - | HITLR180-762 | |
| 2.2 dCi | YD22DDT | 2184 | 09.2003 - | HITLR1100-724 | |
| | YD22DDTi | 2184 | 09.2003 - | HITLR1100-724 | |
| 2.2 Di | YD22DDTi | 2184 | 08.2000 - | HITLR1100-724 | |
| **INTERSTAR Platform/Chassis** | | | | | |
| dCi 140 | ZD30 | 2953 | 11.2003 - | HITLR1130-702 | |
| **MAXIMA QX II (A33)** | | | | | |
| 2.0 V6 24V | VQ20DE | 1995 | 03.2000 - 11.2003 | HITLR1100-725 | |
| | | | | HITLR1110-723 | from 09.2002 to 01.2003 |
| 2.5 V6 24V | VQ25DE | 2496 | 03.2000 - 11.2003 | HITLR1100-725 | |
| 3.0 | VG30DE | 2960 | 04.1999 - 08.2003 | HITLR1100-725 | |
| 3.0 V6 24V | VQ30DE | 2988 | 03.2000 - 11.2003 | HITLR1100-725 | |
| | | | | HITLR1110-723 | from 09.2002 to 01.2003 |
| **MAXIMA QX III (A32)** | | | | | |
| 2.0 | VQ20DE | 1995 | 02.1995 - 08.2000 | HITLR1100-725 | |
| | | | | HITLR1110-723 | |
| 3.0 | VQ30DE | 2988 | 01.1995 - 08.2000 | HITLR1100-725 | |
| **MAXIMA Station Wagon** | | | | | |
| 2.0 QX | VQ20DE | 1995 | 10.1997 - | HITLR1100-725 | |
| | | | | HITLR1110-723 | |
| 3.0 QX | VQ30DE | 2988 | 10.1997 - | HITLR1100-725 | |
| **MICRA II (K11)** | | | | | |
| 1.0 i 16V | CG10DE | 998 | 09.2000 - 02.2003 | HITLR165-714 | |
| 1.3 i 16V | CG13DE | 1275 | 08.1992 - 09.2000 | HITLR165-714 | |
| 1.4 i 16V | CGA3DE | 1348 | 09.2000 - 02.2003 | HITLR165-714 | |
| **MICRA III (K12)** | | | | | |
| 1.0 16V | CG10DE | 998 | 01.2003 - 06.2010 | HITLR190-760 | |
| 1.2 16V | CG12DE; CR12DE | 1240 | 01.2003 - 06.2010 | HITLR190-760 | |
| 1.4 16V | CR14DE | 1386 | 01.2003 - 06.2010 | HITLR190-760 | |
| **MURANO (Z50)** | | | | | |
| 3.5 4x4 | VQ35DE | 3498 | 08.2003 - | HITLR1110-723 | to 12.2008 |
| **PATHFINDER (R50)** | | | | | |
| 3.3 V6 4WD | VG33E | 3275 | 03.1998 - 10.2000 | HITLR190-737 | |
| | | | 09.1997 - 12.2004 | HITLR190-737 | |
| 3.5 V6 4WD | VQ35 | 3498 | 11.2000 - 12.2004 | HITLR1110-712 | |
| **PATROL GR (Y60, GR)** | | | | | |
| 4.2 CAT | TB42E | 4169 | 11.1988 - 06.1997 | HITLR170-752 | |
| **PATROL GR Mk II Closed Off-Road Vehicle (Y61)** | | | | | |
| 3.0 DTi | ZD30DDTi | 2953 | 05.2000 - | HITLR190-752 | to 05.2005 |
| | | | | HITLR190-770 | from 12.2006 |
| **PICK UP (D21)** | | | | | |
| 2.7 D 4WD | TD27 | 2663 | 08.1987 - 02.1998 | HITLR160-728 | |
| **PICK UP (D22)** | | | | | |
| 2.4 i | KA24E | 2389 | 02.1998 - | HITLR170-765 | |
| 2.4 i 4WD | KA24E | 2389 | 02.1998 - | HITLR170-765 | |
| 2.5 D | TD25 | 2494 | 02.1998 - | HITLR160-728 | |
| 2.5 D 4WD | TD25 | 2494 | 02.1998 - | HITLR160-728 | |
| 2.5 TD 4WD | TD25TI | 2494 | 05.1998 - | HITLR160-728 | |
| **PRIMERA (P11)** | | | | | |
| 1.6 16V | QG16DE | 1597 | 06.1996 - 12.2001 | HITLR180-762 | |
| 1.8 16V | QG18DE | 1769 | 08.1999 - 12.2001 | HITLR170-746 | |
| | | | | HITLR180-762 | from 04.2000 |
| 2.0 TD | CD20T | 1974 | 09.1996 - 12.2001 | HITLR1100-705 | |
| | | | | HITLR190-734 | |
| **PRIMERA (P12)** | | | | | |
| 1.6 | QG16DE | 1597 | 01.2002 - | HITLR180-762 | |
| | | | 03.2002 - | HITLR180-762 | |
| 1.8 | QG18DE | 1769 | 03.2002 - | HITLR180-762 | |
| 2.0 | QR20DE | 1998 | 03.2002 - | HITLR1110-717 | |
| **PRIMERA Estate (WP12)** | | | | | |
| 1.6 Visia | QG16DE | 1597 | 01.2002 - | HITLR180-762 | |
| 1.8 | QG18DE | 1769 | 03.2002 - | HITLR180-762 | |
| 2.0 | QR20DE | 1998 | 03.2002 - | HITLR1110-717 | |
| **PRIMERA Hatchback (P11)** | | | | | |
| 1.6 16V | GA16DE | 1597 | 09.1996 - 07.2002 | HITLR180-762 | from 12.2000 to 12.2001 |
| | QG16DE | 1597 | 09.2000 - 07.2002 | HITLR180-762 | to 12.2001 |
| 1.8 16V | QG18DE | 1769 | 08.1999 - 07.2002 | HITLR170-746 | |
| | | | | HITLR180-762 | from 04.2000 to 12.2001 |
| 2.0 TD | CD20T | 1974 | 09.1996 - 07.2002 | HITLR1100-705 | |
| | | | | HITLR190-734 | to 12.2001 |
| **PRIMERA Hatchback (P12)** | | | | | |
| 1.6 | QG16DE | 1597 | 07.2002 - | HITLR180-762 | |

| VEHICLE | ENGINE | CC | MODEL YEAR | ALTERNATOR | CRITERIA |
|---|---|---|---|---|---|
| 1.8 | QG18DE | 1769 | 07.2002 - | HITLR180-762 | |
| 2.0 | QR20DE | 1998 | 07.2002 - | HITLR1110-717 | |
| **PRIMERA Traveller (W10)** | | | | | |
| 1.6 i | GA16DE | 1597 | 03.1994 - 03.1998 | HITLR170-746 | |
| | GA16DS | 1597 | 07.1990 - 03.1998 | HITLR170-746 | |
| **PRIMERA Traveller (WP11)** | | | | | |
| 1.6 16V | GA16DE | 1597 | 04.1998 - 12.2001 | HITLR180-762 | from 12.2000 |
| 1.8 16V | QG18DE | 1769 | 08.1999 - 12.2001 | HITLR170-746 | |
| | | | | HITLR180-762 | from 04.2000 |
| 2.0 TD | CD20T | 1974 | 04.1998 - 12.2001 | HITLR1100-705 | |
| | | | | HITLR190-734 | |
| **STAGEA (M35)** | | | | | |
| 2.5 | VQ25DD | 2496 | 10.2001 - 12.2007 | HITLR1110-712 | |
| **SUNNY Box (Y10)** | | | | | |
| 1.6 i 16V | GA16DE | 1597 | 10.1992 - 03.2000 | HITLR170-746 | |
| **SUNNY Mk III Estate (Y10)** | | | | | |
| 1.6 | GA16DE | 1597 | 07.1995 - 03.2000 | HITLR170-746 | |
| 1.6 16V 4x4 | GA16DS | 1597 | 11.1990 - 05.1995 | HITLR170-746 | |
| 1.6 i | GA16DE; GA16DS | 1597 | 06.1991 - 03.2000 | HITLR170-746 | |
| 1.6 i 16V 4x4 | GA16DE | 1597 | 10.1992 - 03.2000 | HITLR170-746 | |
| **TEANA I (J31)** | | | | | |
| 2.3 | VQ23DE | 2349 | 10.2003 - 06.2008 | HITLR1110-723 | |
| 3.5 | VQ35DE | 3498 | 10.2003 - 06.2008 | HITLR1110-723 | |
| **TERRANO Mk II (R20)** | | | | | |
| 2.4 4WD | KA24E | 2389 | 05.1996 - | HITLR170-765 | |
| | | | 05.1996 - 01.2002 | HITLR170-765 | |
| 2.7 TD 4WD | TD27T | 2664 | 02.1993 - 01.2002 | HITLR170-408 | |
| 2.7 TDi 4WD | TD27TI | 2664 | 05.1996 - | HITLR170-756 | |
| 3.0 Di 4WD | ZD30 | 2953 | 05.2002 - | HITLR190-752 | |
| **TERRANO Van (R20)** | | | | | |
| 2.7 TDi 4WD | TD27TI | 2664 | 06.1998 - | HITLR170-756 | |
| **URVAN Box (E24)** | | | | | |
| 2.3 D | TD23 | 2289 | 01.1988 - 05.1997 | HITLR170-408 | |
| 2.5 D | TD25 | 2494 | 12.1988 - 05.1997 | HITLR170-408 | |
| **URVAN Bus (E23)** | | | | | |
| 2.3 D | SD23 | 2289 | 04.1985 - 11.1988 | HITLR170-408 | |
| **URVAN Bus (E24)** | | | | | |
| 2.5 D | TD25 | 2494 | 05.1989 - 10.1996 | HITLR170-408 | |
| 2.7 D | TD27 | 2664 | 03.1987 - 09.1993 | HITLR170-408 | |
| **X-TRAIL (T30)** | | | | | |
| 2.0 | QR20DE | 1998 | 07.2001 - | HITLR1110-717 | |
| 2.0 4x4 | QR20DE | 1998 | 07.2001 - | HITLR1110-717 | |
| 2.2 dCi 4x4 | YD22DDTi | 2184 | 12.2003 - | HITLR1100-724 | |
| 2.5 4x4 | QR25DE | 2488 | 01.2003 - | HITLR1110-717 | |
| **X-TRAIL (T31)** | | | | | |
| 2.5 | QR25DE | 2488 | 06.2007 - | HITLR1110-717 | |

# Opel

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|---|---|---|---|---|---|
| **ASTRA G Estate (F35_)** | | | | | |
| 1.7 CDTI | Z 17 DTL | 1686 | 04.2003 - 07.2009 | HITLR1100-502 | to 06.2004 |
| | | | | HITLR1100-503 | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 02.2000 - 07.2004 | HITLR1100-502 | |
| **ASTRA G Hatchback (F48_, F08_)** | | | | | |
| 1.7 CDTI | Z 17 DTL | 1686 | 04.2003 - 01.2005 | HITLR1100-502 | to 01.2004 |
| | | | | HITLR1100-503 | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 02.2000 - 01.2005 | HITLR1100-502 | from 09.2000 to 01.2004 |
| | | | | HITLR1100-503 | |
| **ASTRA G Saloon (F69_)** | | | | | |
| 1.7 CDTI | Z 17 DTL | 1686 | 04.2003 - 01.2005 | HITLR1100-502 | to 01.2004 |
| | | | | HITLR1100-503 | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 02.2000 - 01.2005 | HITLR1100-502 | |
| **ASTRA H** | | | | | |
| 1.7 CDTI | Z 17 DTH | 1686 | 03.2004 - | HITLR1100-508 | |
| | | | | HITLR1110-503 | |
| | Z 17 DTL | 1686 | 03.2004 - | HITLR1100-508 | |
| | | | | HITLR1110-503 | |
| **ASTRA H Estate** | | | | | |
| 1.7 CDTI | Z 17 DTH | 1686 | 08.2004 - | HITLR1100-508 | |
| | | | | HITLR1110-503 | |
| | Z 17 DTL | 1686 | 08.2004 - | HITLR1100-508 | |
| | | | | HITLR1110-503 | |

| VEHICLE | ENGINE | CC | MODEL YEAR | ALTERNATOR | CRITERIA |
|---|---|---|---|---|---|
| **ASTRA H Saloon** | | | | | |
| 1.7 CDTI | Z 17 DTH | 1686 | 02.2007 - | HITLR1100-508 | |
| | | | | HITLR1110-503 | |
| **ASTRA H Sport Hatch** | | | | | |
| 1.7 CDTI | Z 17 DTH | 1686 | 03.2005 - | HITLR1100-508 | |
| | | | | HITLR1110-503 | |
| | Z 17 DTL | 1686 | 03.2005 - | HITLR1100-508 | |
| | | | | HITLR1110-503 | |
| **ASTRA H Van** | | | | | |
| 1.7 CDTI | Z 17 DTH | 1686 | 03.2004 - | HITLR1100-508 | |
| | | | | HITLR1110-503 | |
| **CAMPO (TF_)** | | | | | |
| 2.5 D | 4 JA1 | 2499 | 08.1991 - 06.1994 | HITLR150-449 | |
| 2.5 TD | 4 JA1T | 2499 | 07.1994 - | HITLR150-449 | |
| 2.5 TD 4x4 | 4 JA1T | 2499 | 07.1994 - | HITLR150-449 | |
| 3.1 TD | 4 JG2T | 3059 | 12.1992 - | HITLR150-449 | |
| 3.1 TD 4x4 | 4 JG2T | 3059 | 12.1992 - | HITLR150-449 | |
| **COMBO Box Body / Estate** | | | | | |
| 1.7 CDTI 16V | Z 17 DTH | 1686 | 12.2004 - | HITLR1100-503 | |
| | | | | HITLR1110-503 | |
| 1.7 DI 16V | Y 17 DTL | 1686 | 10.2001 - | HITLR1100-502 | to 08.2004 |
| | | | | HITLR1100-503 | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 10.2001 - | HITLR1100-502 | to 08.2004 |
| | | | | HITLR1100-503 | |
| **COMBO Tour** | | | | | |
| 1.7 CDTI 16V | Z 17 DTH | 1686 | 12.2004 - | HITLR1100-503 | |
| | | | | HITLR1110-503 | |
| 1.7 DI 16V | Y 17 DTL | 1686 | 10.2001 - | HITLR1100-502 | to 08.2004 |
| | | | | HITLR1100-503 | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 10.2001 - | HITLR1100-502 | to 08.2004 |
| | | | | HITLR1100-503 | |
| **CORSA C (F08, F68)** | | | | | |
| 1.3 CDTI | Z 13 DT | 1248 | 06.2003 - | HITLR1100-502 | |
| 1.7 CDTI | Z 17 DTH | 1686 | 06.2003 - | HITLR1100-502 | |
| | | | | HITLR1110-503 | |
| 1.7 DI | Y 17 DTL | 1686 | 09.2000 - | HITLR1100-502 | to 08.2003 |
| | | | | HITLR1100-503 | |
| 1.7 DTI | Y 17 DT | 1686 | 09.2000 - | HITLR1100-502 | to 08.2003 |
| | | | | HITLR1100-503 | |
| **CORSA C Box (F08,W5L)** | | | | | |
| 1.3 CDTI 16V | Z 13 DT | 1248 | 08.2005 - | HITLR1100-502 | |
| 1.7 CDTI | Z 17 DTH | 1686 | 08.2003 - | HITLR1100-502 | |
| | | | | HITLR1110-503 | |
| 1.7 DI 16V | Y 17 DTL | 1686 | 09.2000 - | HITLR1100-502 | to 08.2003 |
| | | | | HITLR1100-503 | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 09.2000 - | HITLR1100-502 | to 08.2003 |
| | | | | HITLR1100-503 | |
| **MERIVA** | | | | | |
| 1.7 CDTI | Z 17 DT; Z 17 DTH | 1686 | 09.2003 - 05.2010 | HITLR1100-503 | from 03.2004 |
| 1.7 DTI | Y 17 DT | 1686 | 09.2003 - 05.2010 | HITLR1100-502 | |
| | | | | HITLR1100-503 | from 04.2004 |
| **MONTEREY A (UBS_)** | | | | | |
| 3.1 TD | 4 JG2TC | 3059 | 09.1991 - 07.1998 | HITLR150-449 | |
| **MOVANO Box (F9)** | | | | | |
| 3.0 DTi | ZD3 200; ZD3 202 | 2953 | 10.2003 - | HITLR1130-702 | |
| **MOVANO Combi (J9)** | | | | | |
| 3.0 DTi | ZD3 200; ZD3 202 | 2953 | 10.2003 - | HITLR1130-702 | |
| **MOVANO Platform/Chassis (U9, E9)** | | | | | |
| 3.0 DTi | ZD3 200; ZD3 202 | 2953 | 10.2003 - | HITLR1130-702 | |

# Porsche

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|---|---|---|---|---|---|
| **CAYENNE (955)** | | | | | |
| 3.6 | M 55.01 | 3598 | 02.2007 - | HITLR1190-919 | |
| **PANAMERA** | | | | | |
| 4.8 4S | M 48.40 | 4806 | 09.2009 - | HITLR1190-935 | |
| 4.8 GTS | M 48.40 | 4806 | 01.2012 - | HITLR1190-935 | |
| 4.8 S | M 48.20 | 4806 | 09.2009 - | HITLR1190-935 | |

# Renault

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|---|---|---|---|---|---|
| **ESPACE Mk IV (JK0/1_)** | | | | | |
| 3.0 dCi | P9X 701 | 2958 | 11.2002 - | HITLR1150-702 | |
| 3.5 V6 | V4Y 711;V4Y 715 | 3498 | 11.2002 - | HITLR1150-702 | |

| VEHICLE | ENGINE | CC | MODEL YEAR | ALTERNATOR | CRITERIA |
|---|---|---|---|---|---|
| **MASTER II Bus (JD)** | | | | | |
| 3.0 dCi 140 | ZD3 200; ZD3 202 | 2953 | 10.2003 - | HITLR1130-702 | |
| **MASTER II Platform/Chassis (ED/HD/UD)** | | | | | |
| 3.0 dCi 140 | ZD3 202 | 2953 | 10.2003 - | HITLR1130-702 | |
| 3.0 dCi 160 | ZD3 A 604 | 2953 | 06.2005 - | HITLR1130-702 | |
| **MASTER II Van (FD)** | | | | | |
| 3.0 dCi 140 | ZD3 202 | 2953 | 10.2003 - | HITLR1130-702 | |
| 3.0 dCi 160 | ZD3 A 604 | 2953 | 06.2005 - | HITLR1130-702 | |
| **VEL SATIS (BJ0_)** | | | | | |
| 3.5 V6 | V4Y 701;V4Y 711 | 3498 | 06.2002 - | HITLR1150-702 | |

# Subaru

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|---|---|---|---|---|---|
| **FORESTER (SF)** | | | | | |
| 2.0 S Turbo | EJ20 | 1994 | 06.1998 - 04.2001 | HITLR1100-717 | |
| **FORESTER (SG)** | | | | | |
| 2.5 | EJ25 | 2457 | 12.2003 - | HITLR1100-717 | |
| **IMPREZA Saloon (GC)** | | | | | |
| 1.6 i | EJ16 | 1597 | 08.1992 - 12.2000 | HITLR1100-717 | |
| 1.6 i 4WD | EJ16 | 1597 | 08.1992 - 12.2000 | HITLR1100-717 | |
| 2.0 i 4WD | EJ20 | 1994 | 06.1998 - 12.2000 | HITLR1100-717 | |
| | | | 10.1995 - 12.2000 | HITLR1100-717 | |
| 2.0 Turbo GT 4WD | EJ20 (Turbo) | 1994 | 03.1994 - 12.2000 | HITLR1100-717 | |
| | EJ205 | 1994 | 06.1998 - 12.2000 | HITLR1100-717 | |
| **LEGACY Mk II (BD, BG)** | | | | | |
| 1.8 AWD | EJ18E | 1820 | 05.1996 - 09.1998 | HITLR185-701 | |
| 2.0 i | EJ20E | 1994 | 09.1994 - 03.1999 | HITLR185-701 | |
| 2.0 i 4WD | EJ20 | 1994 | 09.1994 - 03.1999 | HITLR185-701 | |
| 2.2 i 4WD | EJ22 EMPI | 2212 | 06.1996 - 03.1999 | HITLR185-701 | |
| | | | 09.1994 - 03.1999 | HITLR185-701 | |
| 2.5 i 4WD | EJ25D | 2457 | 06.1996 - 03.1999 | HITLR185-701 | |
| **LEGACY Mk II Estate (BD, BG)** | | | | | |
| 2.0 i | EJ20 EMPI | 1994 | 09.1994 - 11.1998 | HITLR185-701 | |
| 2.0 i 4WD | EJ20 | 1994 | 09.1994 - 11.1998 | HITLR185-701 | |
| 2.2 i 4WD | EJ22 EMPI | 2212 | 02.1994 - 12.1998 | HITLR185-701 | |
| | | | 06.1996 - 11.1998 | HITLR185-701 | |
| 2.5 i 4WD | EJ25D | 2457 | 06.1996 - 11.1998 | HITLR185-701 | |
| **LEGACY Mk III (BE, BH)** | | | | | |
| 2.0 | EJ20 | 1994 | 04.1999 - 08.2003 | HITLR1100-717 | |
| 2.5 | EJ25 | 2457 | 10.1998 - 08.2003 | HITLR1100-717 | |
| **OUTBACK (BE, BH)** | | | | | |
| 2.5 | EJ25 | 2457 | 10.2000 - 08.2003 | HITLR1100-717 | |

# Vauxhall

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|---|---|---|---|---|---|
| **ASTRA Mk IV (G) Estate** | | | | | |
| 1.7 CDTI 16V | Z 17 DTL | 1686 | 04.2003 - 05.2005 | HITLR1100-502 | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 02.2000 - 05.2005 | HITLR1100-502 | from 09.2000 |
| | | | | HITLR1100-503 | |
| **ASTRA Mk IV (G) Hatchback** | | | | | |
| 1.7 CDTI 16V | Z 17 DTL | 1686 | 04.2003 - 05.2005 | HITLR1100-502 | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 02.2000 - 05.2005 | HITLR1100-502 | from 09.2000 |
| | | | | HITLR1100-503 | |
| **ASTRA Mk IV (G) Saloon** | | | | | |
| 1.7 CDTI 16V | Z 17 DTL | 1686 | 04.2003 - 05.2005 | HITLR1100-502 | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 02.2000 - 05.2005 | HITLR1100-502 | from 09.2000 |
| | | | | HITLR1100-503 | |
| **ASTRA Mk V (H) Estate** | | | | | |
| 1.7 CDTI | Z 17 DTH | 1686 | 08.2004 - 03.2009 | HITLR1100-508 | |
| | | | | HITLR1110-503 | |
| **ASTRA Mk V (H) Hatchback** | | | | | |
| 1.7 CDTI | Z 17 DTH | 1686 | 01.2004 - 05.2009 | HITLR1100-508 | |
| | | | | HITLR1110-503 | |
| | Z 17 DTL | 1686 | 01.2004 - 05.2009 | HITLR1100-508 | |
| | | | | HITLR1110-503 | |
| **ASTRA Mk V (H) Sport Hatch** | | | | | |
| 1.7 CDTI | Z 17 DTH | 1686 | 02.2005 - 11.2010 | HITLR1100-508 | |
| | | | | HITLR1110-503 | |
| **ASTRAVAN Mk IV (G)** | | | | | |
| 1.7 CDTI | Z 17 DTL | 1686 | 04.2004 - 08.2006 | HITLR1100-502 | |
| | | | | HITLR1100-508 | |
| | | | | HITLR1110-503 | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 04.2001 - 08.2006 | HITLR1100-502 | |

| VEHICLE | ENGINE | CC | MODEL YEAR | ALTERNATOR | CRITERIA |
|---|---|---|---|---|---|
| **ASTRAVAN Mk V (H)** | | | | | |
| 1.7 CDTI | Z 17 DTH | 1686 | 03.2005 - 11.2011 | HITLR1100-508 | |
| | | | | HITLR1110-503 | |
| | Z 17 DTL | 1686 | 03.2005 - 07.2006 | HITLR1100-508 | |
| | | | | HITLR1110-503 | |
| **BRAVA Pickup** | | | | | |
| 2.5 D | 4 JA1 | 2499 | 08.1991 - 06.1994 | HITLR150-449 | |
| 2.5 D 4x4 | 4 JA1T | 2499 | 06.1990 - 06.1994 | HITLR150-449 | |
| 2.5 TD | 4 JA1T | 2499 | 07.1994 - 12.2002 | HITLR150-449 | |
| 2.5 TD 4x4 | 4 JA1T | 2499 | 07.1994 - 12.2002 | HITLR150-449 | |
| 3.1 D | 4 JG2 T | 3059 | 07.1991 - 07.2001 | HITLR150-449 | |
| **COMBO Mk II (C) Box Body / Estate (F25)** | | | | | |
| 1.7 CDTI 16V | Z 17 DTH | 1686 | 12.2004 - 11.2011 | HITLR1100-503 | |
| | | | | HITLR1110-503 | |
| 1.7 DI 16V | Y 17 DTL | 1686 | 09.2001 - 11.2011 | HITLR1100-502 | from 10.2001 |
| | | | | HITLR1100-503 | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 10.2001 - 11.2011 | HITLR1100-502 | |
| **CORSA Mk II (C) (W5L, F08)** | | | | | |
| 1.3 CDTI 16V | Z 13 DT | 1248 | 08.2000 - 09.2006 | HITLR1100-502 | |
| 1.7 CDTI 16V | Z 17 DTH | 1686 | 08.2000 - 09.2006 | HITLR1100-502 | |
| | | | | HITLR1110-503 | |
| 1.7 DI 16V | Y 17 DTL | 1686 | 08.2000 - 09.2006 | HITLR1100-502 | to 08.2003 |
| | | | | HITLR1100-503 | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 08.2000 - 09.2006 | HITLR1100-502 | to 08.2003 |
| | | | | HITLR1100-503 | |
| **CORSAVAN Mk II (C)** | | | | | |
| 1.7 DI 16V | Y 17 DTL | 1686 | 09.2000 - 06.2006 | HITLR1100-502 | to 08.2003 |
| | | | | HITLR1100-503 | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 09.2000 - 06.2006 | HITLR1100-502 | to 08.2003 |
| | | | | HITLR1100-503 | |
| **MERIVA Mk I (A)** | | | | | |
| 1.7 CDTI 16V | Z 17 DTH | 1686 | 09.2003 - 08.2005 | HITLR1100-503 | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 06.2003 - 06.2010 | HITLR1100-502 | |
| **MONTEREY** | | | | | |
| 3.1 TD | 4 JG2TC | 3059 | 09.1991 - 07.1998 | HITLR150-449 | |
| **MOVANO Mk I (A) Chassis/Cab (ED, UD, HD)** | | | | | |
| 3.0 DTi | ZD3 202 | 2953 | 10.2003 - 05.2010 | HITLR1130-702 | |
| **MOVANO Mk I (A) Combi (JD)** | | | | | |
| 3.0 DTi | ZD3 200 | 2953 | 10.2003 - 05.2010 | HITLR1130-702 | |
| **MOVANO Mk I (A) Van (FD)** | | | | | |
| 3.0 DTi | ZD3 202 | 2953 | 10.2003 - 05.2010 | HITLR1130-702 | |

# VW

| | | | | | |
|---|---|---|---|---|---|
| **TOUAREG (7LA, 7L6, 7L7)** | | | | | |
| 3.0 V6 TDI | BKS; CATA | 2967 | 11.2004 - 05.2010 | HITLR1190-937 | |
| 5.0 R50 TDI | CBWA | 4921 | 08.2007 - 05.2010 | HITLR1190-913 | |
| 5.0 V10 TDI | AYH; BLE; BWF | 4921 | 10.2002 - 05.2010 | HITLR1190-913 | |
| **TOUAREG (7P5)** | | | | | |
| 4.2 V8 TDI | CKDA | 4134 | 01.2010 - | HITLR1190-937 | |

| VEHICLE | ENGINE | CC | MODEL YEAR | STARTER MOTOR | CRITERIA | |
|---|---|---|---|---|---|---|
| **Alfa Romeo** | | | | | | |
| **MITO (955)** | | | | | | |
| 1.4 | 198 A4.000 | 1368 | 09.2008 - | HITS114-943 | | |
| | 955 A1.000 | 1368 | 09.2008 - | HITS114-943 | | |
| 1.4 TB | 199 A8.000 | 1368 | 09.2008 - | HITS114-943 | | |
| **Audi** | | | | | | |
| **A3 (8L1)** | | | | | | |
| 1.8 T | AGU;AQA;ARZ;AUM | 1781 | 12.1996 - 05.2003 | HITS114-875 | from 09.2000 | AT |
| | AJQ;APP;ARY;AUQ | 1781 | 12.1998 - 05.2003 | HITS114-875 | from 09.2000 | AT |
| 1.8 T quattro | AGU;AQA;ARX | 1781 | 12.1996 - 05.2003 | HITS114-875 | from 09.2000 | AT |
| | AJQ;ARY | 1781 | 10.1998 - 05.2003 | HITS114-875 | from 09.2000 | AT |
| 1.9 TDI | ASZ | 1896 | 08.2000 - 05.2003 | HITS13-250 | from 11.2000 | AT |
| | ATD;AXR | 1896 | 10.2000 - 05.2003 | HITS13-250 | from 01.2001 | AT |
| 1.9 TDI quattro | ASZ | 1896 | 08.2000 - 05.2003 | HITS13-250 | from 09.2000 | AT |
| **Fiat** | | | | | | |
| **500** | | | | | | |
| 1.2 | 169 A4.000 | 1242 | 10.2007 - | HITS114-943 | | |
| 1.2 LPG | 169 A4.000 | 1242 | 12.2010 - | HITS114-947 | | |
| 1.4 | 169 A3.000 | 1368 | 10.2007 - | HITS114-943 | | |
| 1.4 Abarth | 312 A1.000 | 1368 | 08.2008 - | HITS114-943 | | |
| | 312 A3.000 | 1368 | 08.2008 - | HITS114-943 | | |
| **500 C** | | | | | | |
| 1.2 | 169 A4.000 | 1242 | 09.2009 - | HITS114-943 | | |
| 1.4 | 169 A3.000 | 1368 | 09.2009 - | HITS114-943 | | |
| 1.4 Abarth | 312 A3.000 | 1368 | 09.2009 - | HITS114-943 | | |
| **BRAVA (182)** | | | | | | |
| 1.2 16V 80 | 182 B2.000 | 1242 | 12.1998 - 10.2000 | HITS114-949 | | |
| **BRAVO I (182)** | | | | | | |
| 1.2 16V 80 | 182 B2.000 | 1242 | 12.1998 - 10.2000 | HITS114-949 | | |
| **BRAVO II (198)** | | | | | | |
| 1.4 | 192 B2.000 | 1368 | 04.2007 - | HITS114-943 | | |
| 1.4 16V | 198 A7.000 | 1368 | 03.2008 - | HITS114-943 | | |
| 1.4 LPG | 192 B2.000 | 1368 | 11.2009 - | HITS114-943 | | |
| | | | | HITS114-947 | for OE number 51890632 | |
| 1.4 T-Jet | 198 A1.000 | 1368 | 09.2007 - | HITS114-943 | | |
| | 198 A4.000 | 1368 | 09.2007 - | HITS114-943 | | |
| **DOBLO (119)** | | | | | | |
| 1.4 | 350 A1.000 | 1368 | 10.2005 - | HITS114-943 | | |
| **DOBLO Box Body / Estate (263)** | | | | | | |
| 1.4 | 843 A1.000 | 1368 | 02.2010 - | HITS114-943 | | |
| 1.4 Natural Power | 198 A4.000 | 1368 | 06.2010 - | HITS114-943 | | |
| **DOBLO Cargo (223)** | | | | | | |
| 1.4 | 350 A1.000 | 1368 | 10.2005 - | HITS114-943 | | |
| **DOBLO Combi (152, 263)** | | | | | | |
| 1.4 | 843 A1.000 | 1368 | 02.2010 - | HITS114-943 | | |
| 1.4 Natural Power | 198 A4.000 | 1368 | 02.2010 - | HITS114-943 | | |
| **DOBLO Platform/Chassis (263)** | | | | | | |
| 1.4 | 843 A1.000 | 1368 | 04.2010 - | HITS114-943 | | |
| **IDEA** | | | | | | |
| 1.2 16V | 188 A5.000 | 1242 | 01.2004 - | HITS114-943 | | |
| 1.4 | 192 B2.000 | 1368 | 12.2003 - | HITS114-943 | | |
| | 350 A1.000 | 1368 | 10.2005 - | HITS114-943 | | |
| 1.4 16V | 843 A1.000 | 1368 | 01.2004 - | HITS114-943 | | |
| 1.4 LPG | 350 A1.000 | 1368 | 03.2009 - | HITS114-943 | | |
| | | | | HITS114-947 | for OE number 51890632 | |
| **LINEA (323)** | | | | | | |
| 1.4 | 350 A1.000 | 1368 | 06.2007 - | HITS114-943 | | |
| 1.4 T-Jet | 198 A4.000 | 1368 | 09.2007 - | HITS114-943 | | |
| **PANDA (169)** | | | | | | |
| 1.1 | 187 A1.000 | 1108 | 09.2003 - | HITS114-943 | | |
| 1.2 | 188 A4.000 | 1242 | 09.2003 - | HITS114-943 | | |
| 1.2 4x4 | 188 A4.000 | 1242 | 10.2004 - | HITS114-943 | | |
| 1.2 Bi-Power / Natural Power | 188 A4.000 | 1242 | 01.2007 - | HITS114-943 | | |
| 1.2 LPG | 169 A4.000 | 1242 | 11.2010 - | HITS114-947 | | |
| | 188 A4.000 | 1242 | 04.2009 - | HITS114-943 | | |
| 1.4 | 169 A3.000 | 1368 | 10.2006 - | HITS114-943 | | |
| 1.4 Bi-Power / Natural Power | 350 A1.000 | 1368 | 09.2010 - | HITS114-947 | | |
| **PANDA Van (169)** | | | | | | |
| 1.2 | 188 A4.000 | 1242 | 09.2004 - | HITS114-943 | | |
| 1.2 4x4 | 188 A4.000 | 1242 | 09.2004 - | HITS114-943 | | |

| VEHICLE | ENGINE | CC | MODEL YEAR | ALTERNATOR | CRITERIA |
|---|---|---|---|---|---|
| **PUNTO (176)** | | | | | |
| 1.2 16V | 176 B9.000 | 1242 | 04.1997 - 09.1999 | HITS114-949 | |
| **PUNTO (188)** | | | | | |
| 1.2 16V 80 | 188 A5.000 | 1242 | 09.1999 - | HITS114-949 | |
| 1.4 | 843 A1.000 | 1368 | 09.2003 - | HITS114-943 | |
| **PUNTO / GRANDE PUNTO (199)** | | | | | |
| 1.2 | 169 A4.000 | 1242 | 09.2010 - | HITS114-943 | |
| | 199 A4.000 | 1242 | 10.2005 - | HITS114-943 | |
| 1.4 | 199 A7.000 | 1368 | 06.2006 - | HITS114-943 | |
| | 350 A1.000 | 1368 | 10.2005 - | HITS114-943 | |
| 1.4 16V | 199 A6.000 | 1368 | 10.2005 - | HITS114-943 | |
| 1.4 Abarth | 199 A8.000 | 1368 | 12.2007 - | HITS114-943 | |
| 1.4 LPG | 350 A1.000 | 1368 | 12.2008 - | HITS114-943 | |
| | | | | HITS114-947 | for OE number 51890632 |
| 1.4 Natural Power | 350 A1.000 | 1368 | 07.2008 - | HITS114-947 | |
| 1.4 T-Jet | 198 A4.000 | 1368 | 09.2007 - | HITS114-943 | |
| **PUNTO Convertible (176C)** | | | | | |
| 85 16V 1.2 | 176 B9.000 | 1242 | 04.1997 - 06.2000 | HITS114-949 | |
| **PUNTO EVO** | | | | | |
| 1.2 | 169 A4.000 | 1242 | 10.2009 - 02.2012 | HITS114-943 | |
| | 199 A4.000 | 1242 | 10.2009 - 02.2012 | HITS114-943 | |
| 1.4 | 199 A7.000 | 1368 | 07.2009 - 02.2012 | HITS114-943 | |
| | 350 A1.000 | 1368 | 10.2009 - 02.2012 | HITS114-943 | |
| 1.4 16V | 955 A2.000 | 1368 | 10.2009 - 02.2012 | HITS114-943 | |
| | 955 A6.000 | 1368 | 10.2009 - 02.2012 | HITS114-943 | |
| 1.4 Natural Power | 350 A1.000 | 1368 | 10.2009 - 02.2012 | HITS114-947 | |
| **SIENA (178_)** | | | | | |
| 1.4 | 199 A1.000 | 1368 | 01.2007 - | HITS114-943 | |
| **STILO (192)** | | | | | |
| 1.2 16V | 188 A5.000 | 1242 | 02.2002 - 11.2006 | HITS114-943 | |
| 1.4 16V | 192 B2.000 | 1368 | 03.2005 - 11.2006 | HITS114-943 | |
| | 843 A1.000 | 1368 | 01.2004 - 11.2006 | HITS114-943 | |
| **STILO Multi Wagon (192)** | | | | | |
| 1.4 16V | 192 B2.000 | 1368 | 03.2005 - 08.2008 | HITS114-943 | |
| | 843 A1.000 | 1368 | 01.2004 - 08.2008 | HITS114-943 | |

# Ford

**MAVERICK (UDS, UNS)**

| | | | | | |
|---|---|---|---|---|---|
| 2.7 TD | TD27 | 2663 | 02.1993 - 08.1996 | HITS13-212 | |
| | | | | HITS13-213 | |
| | | | | HITS13-327 | |
| | | | | HITS14-205 | |
| | TD27E | 2664 | 09.1996 - 04.1998 | HITS13-212 | |
| | | | | HITS13-213 | |
| | | | | HITS13-327 | |
| | | | | HITS14-205 | |

# Honda

**CIVIC VII Hatchback (EU, EP, EV)**

| | | | | | |
|---|---|---|---|---|---|
| 1.7 CTDi | 4EE-2 | 1686 | 01.2002 - 09.2005 | HITS114-925 | |

# Infiniti

**G Convertible**

| | | | | | |
|---|---|---|---|---|---|
| 37 | VQ37VHR | 3696 | 09.2010 - | HITS114-932 | from 08.2011 |

**G Coupe**

| | | | | | |
|---|---|---|---|---|---|
| 37 | VQ37VHR | 3694 | 10.2008 - | HITS114-932 | from 08.2011 |
| | | 3696 | 09.2010 - | HITS114-932 | from 08.2011 |

**G Saloon**

| | | | | | |
|---|---|---|---|---|---|
| 37 | VQ37VHR | 3694 | 10.2008 - | HITS114-932 | from 08.2011 |
| | | 3696 | 10.2008 - | HITS114-932 | from 08.2011 |
| 37x | VQ37VHR | 3696 | 10.2008 - | HITS114-932 | from 08.2011 |

# Lancia

**DELTA III (844)**

| | | | | | |
|---|---|---|---|---|---|
| 1.4 | 198 A1.000 | 1368 | 09.2008 - | HITS114-943 | |
| | 198 A4.000 | 1368 | 09.2008 - | HITS114-943 | |
| 1.4 16V | 198 A7.000 | 1368 | 07.2010 - | HITS114-943 | |
| 1.8 | 939 B1.000 | 1742 | 01.2009 - | HITS114-943 | |

**MUSA (350)**

| | | | | | |
|---|---|---|---|---|---|
| 1.4 | 192 B2.000 | 1368 | 10.2007 - | HITS114-943 | |
| | 350 A1.000 | 1368 | 09.2005 - | HITS114-943 | |
| | 843 A 1.000 | 1368 | 10.2004 - | HITS114-943 | |

| VEHICLE | ENGINE | CC | MODEL YEAR | STARTER MOTOR | CRITERIA | |
|---|---|---|---|---|---|---|
| 1.4 LPG | 350 A1.000 | 1368 | 11.2010 - | HITS114-943 | | |
| | | | | HITS114-947 | for OE number 51890632 | |
| **YPSILON (843)** | | | | | | |
| 1.2 | 188 A4.000 | 1242 | 10.2003 - 12.2011 | HITS114-943 | | |
| | 188 A5.000 | 1242 | 10.2003 - 12.2011 | HITS114-943 | | |
| 1.4 | 350 A1.000 | 1368 | 02.2006 - 12.2011 | HITS114-943 | | |
| 1.4 16V | 843 A 1.000 | 1368 | 10.2003 - 12.2011 | HITS114-943 | | |
| 1.4 LPG | 350 A1.000 | 1368 | 11.2010 - 12.2011 | HITS114-947 | | |
| **YPSILON (846)** | | | | | | |
| 1.2 Bifuel | 169 A4.000 | 1242 | 05.2011 - | HITS114-947 | | |

# LTI

| | | | | | | |
|---|---|---|---|---|---|---|
| **TX** | | | | | | |
| 2.7 TD | TD27 | 2663 | 01.1997 - | HITS13-212 | | |
| | | | | HITS13-213 | | |

# Nissan

| | | | | | | |
|---|---|---|---|---|---|---|
| **350 Z (Z33)** | | | | | | |
| 3.5 | VQ35DE | 3498 | 04.2006 - | HITS114-880 | | |
| | VQ35HR | 3498 | 09.2005 - | HITS114-928 | | |
| **350 Z Roadster (Z33)** | | | | | | |
| 3.5 | VQ35HR | 3498 | 09.2005 - | HITS114-928 | | |
| **370 Z (Z34)** | | | | | | |
| 3.7 | VQ37VHR | 3696 | 06.2009 - | HITS114-932 | from 08.2011 | |
| **370 Z Roadster (Z34)** | | | | | | |
| 3.7 | VQ37VHR | 3696 | 01.2010 - | HITS114-932 | from 08.2011 | |
| **ALMERA Mk II (N16)** | | | | | | |
| 1.5 | QG15DE | 1497 | 10.2002 - | HITS114-800 | to 01.2003 | |
| | | 1498 | 03.2000 - | HITS114-800 | from 09.2002 to 11.2002 | |
| | | | 07.2000 - | HITS114-800 | from 09.2002 to 11.2002 | |
| 1.8 | QG18DE | 1769 | 01.2000 - | HITS114-800 | from 09.2002 to 11.2002 | |
| | | | 07.2000 - | HITS114-800 | from 09.2002 to 11.2002 | |
| | | | 10.2002 - | HITS114-800 | to 01.2003 | |
| **ALMERA TINO (V10)** | | | | | | |
| 2.0 | SR20DE | 1998 | 08.2000 - | HITS114-871 | | |
| **INTERSTAR Box (X70)** | | | | | | |
| dCi 140 | ZD30 | 2953 | 11.2003 - | HITS13-556 | | |
| **INTERSTAR Bus (X70)** | | | | | | |
| dCi 140 | ZD30 | 2953 | 11.2003 - | HITS13-556 | | |
| **INTERSTAR Platform/Chassis** | | | | | | |
| dCi 140 | ZD30 | 2953 | 11.2003 - | HITS13-556 | | |
| **JUKE** | | | | | | |
| 1.6 DIG-T | MR16DDT | 1618 | 06.2010 - | HITS114-902 | | |
| | | | | HITS114-955 | | |
| 1.6 DIG-T 4x4 | MR16DDT | 1618 | 06.2010 - | HITS114-902 | | |
| | | | | HITS114-955 | | |
| **MAXIMA QX II (A33)** | | | | | | |
| 2.0 V6 24V | VQ20DE | 1995 | 03.2000 - 11.2003 | HITS114-801 | | |
| 3.0 V6 24V | VQ30DE | 2988 | 03.2000 - 11.2003 | HITS114-801 | | |
| **MAXIMA QX III (A32)** | | | | | | |
| 2.0 | VQ20DE | 1995 | 02.1995 - 08.2000 | HITS114-801 | to 01.2000 | |
| 3.0 | VQ30DE | 2988 | 01.1995 - 08.2000 | HITS114-801 | to 01.2000 | |
| **PATROL GR (Y60, GR)** | | | | | | |
| 4.2 CAT | TB42E | 4169 | 11.1988 - 06.1997 | HITS114-482 | from 10.1991 | |
| 4.2 D | | 4169 | 11.1988 - 06.1997 | HITS13-118 | | |
| **PATROL GR Mk II Closed Off-Road Vehicle (Y61)** | | | | | | |
| 3.0 D | ZD30DDTi | 2953 | 05.2000 - 09.2004 | HITS13-551 | to 07.2004 | MT |
| 3.0 D All-wheel Drive | ZD30DDTi | 2953 | 10.2004 - | HITS13-551 | | |
| 3.0 DTi | ZD30DDTi | 2953 | 05.2000 - | HITS13-551 | from 08.2004 | |
| | | | | | to 07.2004 | MT |
| | | | | HITS14-407 | from 12.2006 | MT |
| **PICK UP (D21)** | | | | | | |
| 2.5 D | TD25 | 2494 | 03.1996 - 02.1998 | HITS13-212 | | |
| | | | | HITS13-213 | | |
| | | | | HITS13-327 | | |
| | | | | HITS14-205 | | |
| | | | 09.1987 - 02.1998 | HITS13-213 | | |
| | | | | HITS14-205 | | |
| | | | 09.1994 - 08.1996 | HITS13-213 | | |
| | | | | HITS14-205 | | |
| 2.5 D 4WD | SD25 | 2488 | 09.1985 - 08.1988 | HITS13-213 | | |
| | | | | HITS14-205 | from 01.1987 | |

| VEHICLE | ENGINE | CC | MODEL YEAR | ALTERNATOR | CRITERIA | |
|---|---|---|---|---|---|---|
| | | 2494 | 03.1986 - 08.1991 | HITS13-212 | | |
| | | | | HITS13-213 | | |
| | | | | HITS13-327 | from 01.1987 | |
| | | | | HITS14-205 | from 01.1987 | |
| | TD25 | 2494 | 03.1996 - 02.1998 | HITS13-212 | | |
| | | | | HITS13-213 | | |
| | | | | HITS13-327 | | |
| | | | | HITS14-205 | | |
| | | | 08.1987 - 02.1998 | HITS13-212 | | |
| | | | | HITS13-213 | | |
| | | | | HITS13-327 | | |
| | | | | HITS14-205 | | |
| 2.7 D 4WD | TD27 | 2663 | 08.1987 - 02.1998 | HITS13-212 | | |
| | | | | HITS13-213 | | |
| | | | 09.1987 - 08.1991 | HITS13-213 | | |
| 3.0 | VG30E | 2962 | 09.1985 - 12.1996 | HITS13-326 | from 11.1993 | |
| **PICK UP (D22)** | | | | | | |
| 2.5 D | TD25 | 2494 | 02.1998 - | HITS13-212 | | |
| | | | | HITS13-213 | | |
| | | | | HITS13-327 | to 07.2002 | MT |
| | | | | HITS14-205 | to 11.2001 | |
| 2.5 D 4WD | TD25 | 2494 | 02.1998 - | HITS13-212 | | |
| | | | | HITS13-213 | | |
| | | | | HITS13-327 | to 07.2002 | MT |
| 2.5 Di 4WD | YD25DDTi | 2488 | 03.2002 - | HITS13-327 | | |
| | | | | HITS14-205 | | |
| 2.5 TD 4WD | TD25TI | 2494 | 05.1998 - | HITS13-212 | | |
| | | | | HITS13-213 | | |
| | | | | HITS13-327 | to 10.2001 | MT |
| | | | | HITS14-205 | to 11.2001 | |
| **PRIMERA (P10)** | | | | | | |
| 1.6 | GA16DE | 1597 | 06.1993 - 01.1996 | HITS114-570 | | |
| | GA16DS | 1597 | 06.1990 - 01.1996 | HITS114-570 | | |
| **PRIMERA (P11)** | | | | | | |
| 2.0 16V | SR20DE | 1998 | 08.1999 - 12.2001 | HITS114-818 | from 05.2001 | AT |
| | | | | HITS114-871 | | AT |
| | | | 09.1996 - 12.2001 | HITS114-818 | from 01.1999 | AT |
| **PRIMERA (P12)** | | | | | | |
| 2.0 | QR20DE | 1998 | 03.2002 - | HITS114-840 | | |
| | | | | HITS114-876 | | AT |
| **PRIMERA Estate (WP12)** | | | | | | |
| 2.0 | QR20DE | 1998 | 03.2002 - | HITS114-840 | | |
| | | | | HITS114-876 | | AT |
| **PRIMERA Hatchback (P10)** | | | | | | |
| 1.6 | GA16DE | 1597 | 06.1993 - 01.1996 | HITS114-570 | | |
| | GA16DS | 1597 | 06.1990 - 01.1996 | HITS114-570 | | |
| | | | 06.1990 - 06.1993 | HITS114-570 | | |
| **PRIMERA Hatchback (P11)** | | | | | | |
| 2.0 16V | SR20DE | 1998 | 08.1999 - 07.2002 | HITS114-818 | | AT |
| | | | | HITS114-871 | | AT |
| | | | 09.1996 - 07.2002 | HITS114-818 | from 05.01 to 02.02 | AT |
| | | | | HITS114-871 | from 06.1999 | AT |
| **PRIMERA Hatchback (P12)** | | | | | | |
| 2.0 | QR20DE | 1998 | 07.2002 - | HITS114-840 | | |
| | | | | HITS114-876 | | AT |
| **PRIMERA Traveller (W10)** | | | | | | |
| 1.6 i | GA16DS | 1597 | 07.1990 - 03.1998 | HITS114-570 | | |
| **PRIMERA Traveller (WP11)** | | | | | | |
| 2.0 16V | SR20DE | 1998 | 04.1998 - 12.2001 | HITS114-818 | from 05.2001 | AT |
| | | | 08.1999 - 12.2001 | HITS114-818 | | AT |
| **QASHQAI / QASHQAI +2 (J10, JJ10)** | | | | | | |
| 2.0 dCi | M1D; M9R | 1995 | 02.2007 - | HITS114-902 | | |
| 2.0 dCi All-wheel Drive | M1D; M9R | 1995 | 02.2007 - | HITS114-902 | from 03.2007 | |
| **TERRANO (WD21)** | | | | | | |
| 2.7 TD 4WD | TD27T | 2664 | 02.1989 - 02.1996 | HITS13-212 | | |
| | | | | HITS13-213 | | |
| | | | | HITS13-327 | to 10.1993 | |
| | | | | HITS14-205 | to 10.1993 | |
| 3.0 i 4WD | VG30E | 2960 | 01.1990 - 12.1995 | HITS13-326 | from 11.1993 to 10.1995 | |
| **TERRANO Mk II (R20)** | | | | | | |
| 2.7 TD 4WD | TD27T | 2664 | 02.1993 - 01.2002 | HITS13-212 | | |
| | | | | HITS13-213 | | |
| | | | | HITS13-327 | to 12.1996 | |
| | | | | HITS14-205 | to 12.1996 | |
| 2.7 TDi 4WD | TD27TI | 2664 | 05.1996 - | HITS13-327 | to 12.2006 | |
| | | | | HITS14-205 | | |
| 3.0 Di 4WD | ZD30 | 2953 | 05.2002 - | HITS13-527 | | |



WOOD AUTO

| VEHICLE | ENGINE | CC | MODEL YEAR | STARTER MOTOR | CRITERIA | |
|---|---|---|---|---|---|---|
| | | | | HITS13-556 | | |
| **TIIDA Hatchback (C11X)** | | | | | | |
| 1.8 | MR18DE | 1798 | 09.2007 - | HITS114-902 | | |
| **TIIDA Saloon (SC11X)** | | | | | | |
| 1.8 | MR18DE | 1798 | 09.2007 - | HITS114-902 | MT | |
| **TRADE Box** | | | | | | |
| 3.0 TDiC | BD-30Ti | 2953 | 06.1996 - 10.2001 | HITS13-326 | | |
| **TRADE Platform/Chassis** | | | | | | |
| 3.0 | BD30II | 2953 | 01.1994 - 12.1998 | HITS13-326 | | |
| 3.0 D | BD30II | 2953 | 04.1993 - 10.1998 | HITS13-326 | | |
| **URVAN Box (E24)** | | | | | | |
| 2.3 D | TD23 | 2289 | 01.1988 - 05.1997 | HITS13-212 | | |
| | | | | HITS13-213 | | |
| | | | | HITS13-327 | to 198903 | |
| | | | | HITS14-205 | cold climates to 198903 | |
| 2.5 D | TD25 | 2494 | 12.1988 - 05.1997 | HITS13-327 | from 198903 | |
| | | | | HITS14-205 | cold climates from 198903 | |
| **URVAN Bus (E24)** | | | | | | |
| 2.5 D | TD25 | 2494 | 05.1989 - 10.1996 | HITS13-327 | to 199407 | |
| | | | | HITS14-205 | to 199407 | |
| **X-TRAIL (T30)** | | | | | | |
| 2.0 | QR20DE | 1998 | 07.2001 - | HITS114-844 | from 200309 to 200703 | AT |
| 2.0 4x4 | QR20DE | 1998 | 07.2001 - | HITS114-844 | from 200309 to 200703 | AT |
| 2.5 4x4 | QR25DE | 2488 | 01.2003 - | HITS114-844 | from 200309 to 200703 | AT |
| **X-TRAIL (T31)** | | | | | | |
| 2.0 | MR20DE | 1997 | 06.2007 - | HITS114-902 | MT | |
| | | 1998 | 06.2008 - | HITS114-902 | MT | |

# Opel

| | | | | | | |
|---|---|---|---|---|---|---|
| **ASTRA G Estate (F35_)** | | | | | | |
| 1.7 CDTI | Z 17 DTL | 1686 | 04.2003 - 07.2009 | HITS114-925 | AT | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 02.2000 - 07.2004 | HITS114-925 | | |
| **ASTRA G Hatchback (F48_, F08_)** | | | | | | |
| 1.7 CDTI | Z 17 DTL | 1686 | 04.2003 - 01.2005 | HITS114-925 | AT | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 02.2000 - 01.2005 | HITS114-925 | from 200009 to 200401 | |
| **ASTRA G Saloon (F69_)** | | | | | | |
| 1.7 CDTI | Z 17 DTL | 1686 | 04.2003 - 01.2005 | HITS114-925 | AT | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 02.2000 - 01.2005 | HITS114-925 | AT | |
| **ASTRA H** | | | | | | |
| 1.7 CDTI | A 17 DTJ; Z 17 DTJ | 1686 | 02.2007 - | HITS114-925 | | |
| | A 17 DTR; Z 17 DTR | 1686 | 02.2007 - | HITS114-925 | | |
| | Z 17 DTH | 1686 | 03.2004 - | HITS114-925 | | |
| | Z 17 DTL | 1686 | 03.2004 - | HITS114-925 | | |
| **ASTRA H Estate** | | | | | | |
| 1.7 CDTI | A 17 DTJ; Z 17 DTJ | 1686 | 02.2007 - | HITS114-925 | | |
| | A 17 DTR; Z 17 DTR | 1686 | 02.2007 - | HITS114-925 | | |
| | Z 17 DTH | 1686 | 08.2004 - | HITS114-925 | | |
| | Z 17 DTL | 1686 | 08.2004 - | HITS114-925 | | |
| **ASTRA H Saloon** | | | | | | |
| 1.7 CDTI | Z 17 DTJ | 1686 | 02.2007 - | HITS114-925 | | |
| **ASTRA H Sport Hatch** | | | | | | |
| 1.7 CDTI | A 17 DTJ | 1686 | 02.2007 - | HITS114-925 | | |
| | A 17 DTR | 1686 | 02.2007 - | HITS114-925 | | |
| | Z 17 DTH | 1686 | 03.2005 - | HITS114-925 | | |
| | Z 17 DTL | 1686 | 03.2005 - | HITS114-925 | | |
| **ASTRA H Van** | | | | | | |
| 1.7 CDTI | A 17 DTJ; Z 17 DTJ | 1686 | 02.2007 - | HITS114-925 | | |
| | A 17 DTR; Z 17 DTR | 1686 | 02.2007 - | HITS114-925 | | |
| | Z 17 DTH | 1686 | 03.2004 - | HITS114-925 | | |
| **ASTRA J** | | | | | | |
| 1.7 CDTI | A 17 DTC;A 17 DTE;A 17 DTJ | 1686 | 12.2009 - | HITS114-925 | | |
| | A 17 DTR | 1686 | 12.2009 - | HITS114-925 | | |
| **ASTRA Sports Tourer (J)** | | | | | | |
| 1.7 CDTI | A 17 DTC;A 17 DTE;A 17 DTJ | 1686 | 10.2010 - | HITS114-925 | | |
| | A 17 DTR | 1686 | 10.2010 - | HITS114-925 | | |
| **COMBO (71_)** | | | | | | |
| 1.7 D | 17 D (4EE1); X 17 D (4EE1) | 1686 | 07.1994 - 10.2001 | HITS114-850 | from 199409 | |
| **COMBO Box Body / Estate** | | | | | | |
| 1.7 CDTI 16V | Z 17 DTH | 1686 | 12.2004 - | HITS114-925 | | |
| 1.7 DI 16V | Y 17 DTL | 1686 | 10.2001 - | HITS114-850 | | |
| | | | | HITS114-925 | | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 10.2001 - | HITS114-925 | | |

| VEHICLE | ENGINE | CC | MODEL YEAR | ALTERNATOR | CRITERIA |
|---|---|---|---|---|---|
| **COMBO Tour** | | | | | |
| 1.7 CDTI 16V | Z 17 DTH | 1686 | 12.2004 - | HITS114-925 | |
| 1.7 DI 16V | Y 17 DTL | 1686 | 10.2001 - | HITS114-925 | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 10.2001 - | HITS114-925 | |
| **CORSA A Hatchback (93_, 94_, 98_, 99_)** | | | | | |
| 1.5 TD | 15 DT (T4EC1) | 1488 | 03.1988 - 03.1993 | HITS114-850 | |
| **CORSA B (73_, 78_, 79_)** | | | | | |
| 1.5 D | 15 D (4EC1) | 1488 | 03.1993 - 09.2000 | HITS114-850 | from 09.1994 to 08.2000 |
| 1.5 TD | 15 DT (T4EC1); X 15 DT (T4EC1) | 1488 | 03.1993 - 09.2000 | HITS114-850 | from 09.1994 to 08.2000 |
| 1.7 D | 17 D (4EE1); X 17 D (4EE1) | 1686 | 02.1996 - 09.2000 | HITS114-850 | to 08.2000 |
| **CORSA B Box (73_)** | | | | | |
| 1.7 D | 17 D (4EE1); X 17 D (4EE1) | 1686 | 08.1999 - 09.2000 | HITS114-850 | to 08.2000 |
| **CORSA C (F08, F68)** | | | | | |
| 1.7 CDTI | Z 17 DTH | 1686 | 06.2003 - | HITS114-925 | |
| 1.7 DI | Y 17 DTL | 1686 | 09.2000 - | HITS114-925 | |
| 1.7 DTI | Y 17 DT | 1686 | 09.2000 - | HITS114-925 | |
| **CORSA C Box (F08,W5L)** | | | | | |
| 1.7 CDTI | Z 17 DTH | 1686 | 08.2003 - | HITS114-925 | |
| 1.7 DI 16V | Y 17 DTL | 1686 | 09.2000 - | HITS114-925 | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 09.2000 - | HITS114-925 | |
| **CORSA D** | | | | | |
| 1.7 CDTI | A 17 DTS | 1686 | 06.2010 - | HITS114-925 | |
| | Z 17 DTR | 1686 | 07.2006 - | HITS114-925 | |
| **MERIVA** | | | | | |
| 1.7 CDTI | A 17 DTR; Z 17 DTR | 1686 | 09.2006 - 05.2010 | HITS114-925 | |
| | Z 17 DT; Z 17 DTH | 1686 | 09.2003 - 05.2010 | HITS114-925 | |
| 1.7 DTI | Y 17 DT | 1686 | 09.2003 - 05.2010 | HITS114-925 | |
| **MERIVA B** | | | | | |
| 1.7 CDTI | A 17 DT | 1686 | 06.2010 - | HITS114-925 | |
| | A 17 DTC | 1686 | 06.2010 - | HITS114-925 | |
| | A 17 DTS | 1686 | 06.2010 - | HITS114-925 | |
| **MOVANO Box (F9)** | | | | | |
| 3.0 DTi | ZD3 200; ZD3 202 | 2953 | 10.2003 - | HITS13-556 | |
| **MOVANO Combi (J9)** | | | | | |
| 3.0 DTi | ZD3 200; ZD3 202 | 2953 | 10.2003 - | HITS13-556 | |
| **MOVANO Dumptruck (H9)** | | | | | |
| 3.0 DTi | ZD3 200; ZD3 202 | 2953 | 10.2003 - | HITS13-556 | |
| **MOVANO Platform/Chassis (U9, E9)** | | | | | |
| 3.0 DTi | ZD3 200; ZD3 202 | 2953 | 10.2003 - | HITS13-556 | |
| **ZAFIRA B (A05)** | | | | | |
| 1.7 CDTI | A 17 DTJ; Z 17 DTJ | 1686 | 01.2008 - | HITS114-925 | |
| | A 17 DTR | 1686 | 01.2008 - | HITS114-925 | |
| **ZAFIRA B Van** | | | | | |
| 1.7 CDTI | A 17 DTJ; Z 17 DTJ | 1686 | 01.2008 - | HITS114-925 | |

# Renault

| | | | | | |
|---|---|---|---|---|---|
| **CLIO III (BR0/1, CR0/1)** | | | | | |
| 2.0 16V | M4R 700; M4R 701 | 1997 | 09.2006 - | HITS114-922 | for engine number <130212 |
| **FLUENCE (L30_)** | | | | | |
| 2.0 16V | M4R 714; M4R 751 | 1998 | 02.2010 - | HITS114-922 | for engine number <130212 |
| **GRAND SCÉNIC III (JZ0/1_)** | | | | | |
| 2.0 16V | M4R 711 | 1997 | 02.2009 - | HITS114-922 | for engine number <130212 |
| **LAGUNA III (BT0/1)** | | | | | |
| 2.0 16V | M4R 704 | 1998 | 10.2007 - | HITS114-922 | for engine number <130212 |
| 2.0 16V Hi-Flex | M4R 726 | 1997 | 10.2007 - | HITS114-922 | for engine number <130212 |
| **LAGUNA III Sport Tourer (KT0/1)** | | | | | |
| 2.0 16V | M4R 704 | 1998 | 10.2007 - | HITS114-922 | for engine number <130212 |
| 2.0 16V Hi-Flex | M4R 704; M4R 726 | 1997 | 10.2007 - | HITS114-922 | for engine number <130212 |
| **MASTER II Bus (JD)** | | | | | |
| 3.0 dCi 140 | ZD3 200; ZD3 202 | 2953 | 10.2003 - | HITS13-556 | |
| **MASTER II Platform/Chassis (ED/HD/UD)** | | | | | |
| 3.0 dCi 120 | ZD3 600 | 2953 | 06.2005 - | HITS13-556 | |
| 3.0 dCi 140 | ZD3 202 | 2953 | 10.2003 - | HITS13-556 | |
| 3.0 dCi 160 | ZD3 A 604 | 2953 | 06.2005 - | HITS13-556 | |
| **MASTER II Van (FD)** | | | | | |
| 3.0 dCi 120 | ZD3 600 | 2953 | 06.2005 - | HITS13-556 | |
| 3.0 dCi 140 | ZD3 202 | 2953 | 10.2003 - | HITS13-556 | |
| 3.0 dCi 160 | ZD3 A 604 | 2953 | 06.2005 - | HITS13-556 | |

| VEHICLE | ENGINE | CC | MODEL YEAR | STARTER MOTOR | CRITERIA | |
|---|---|---|---|---|---|---|
| **MEGANE III Coupe (DZ0/1_)** | | | | | | |
| 2.0 CVT | M4R 711 | 1997 | 05.2009 - | HITS114-922 | for engine number <130212 | |
| **MEGANE III Grandtour (KZ0/1)** | | | | | | |
| 2.0 CVT | M4R 711; M4R F 713 | 1997 | 05.2009 - | HITS114-922 | for engine number <130212 | |
| **MEGANE III Hatchback (BZ0_)** | | | | | | |
| 2.0 CVT | M4R 711; M4R 713 | 1997 | 02.2009 - | HITS114-922 | for engine number <130212 | |
| **SCÉNIC III (JZ0/1_)** | | | | | | |
| 2.0 16V | M4R 710; M4R 711 | 1997 | 02.2009 - | HITS114-922 | for engine number <130212 | |

# Renault Trucks

**MASCOTT Box Body / Estate**

| | | | | | | |
|---|---|---|---|---|---|---|
| 120.35 | DXi 3; ZD3 A 600 | 2953 | 05.2004 - 10.2010 | HITS13-556 | | |
| 120.55 | DXi 3; ZD3 A 600 | 2953 | 05.2004 - 10.2010 | HITS13-556 | | |
| 160.35 | DXi 3; ZD3 A 604 | 2953 | 05.2004 - 10.2010 | HITS13-556 | | |
| 160.55 | DXi 3; ZD3 A 604 | 2953 | 05.2004 - 10.2010 | HITS13-556 | | |

**MASCOTT Platform/Chassis**

| | | | | | | |
|---|---|---|---|---|---|---|
| 120.35 | DXi 3; ZD3 A 600 | 2953 | 05.2004 - 12.2010 | HITS13-556 | | |
| 120.55 | DXi 3; ZD3 A 600 | 2953 | 05.2004 - 12.2010 | HITS13-556 | | |
| 120.65 | DXi 3; ZD3 A 600 | 2953 | 05.2004 - 12.2010 | HITS13-556 | | |
| 160.55 | DXi 3; ZD3 A 604 | 2953 | 05.2004 - 12.2010 | HITS13-556 | | |
| 160.65 | DXi 3; ZD3 A 604 | 2953 | 05.2004 - 12.2010 | HITS13-556 | | |

# Seat

**ALHAMBRA (7V8, 7V9)**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.8 T 20V | AJH; AWC | 1781 | 10.1997 - 03.2010 | HITS114-875 | from 06.2000 | AT |
| 1.9 TDI | AUY; BVK | 1896 | 06.2000 - 03.2010 | HITS13-250 | | AT |
| 2.8 V6 | AUE; AYL | 2792 | 06.2000 - 03.2010 | HITS114-875 | | |
| 2.8 V6 4motion | AUE; AYL | 2792 | 06.2000 - 03.2010 | HITS114-875 | to 05.2003 | |

# Vauxhall

**ASTRA Mk IV (G) Estate**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.7 CDTI 16V | Z 17 DTL | 1686 | 04.2003 - 05.2005 | HITS114-925 | | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 02.2000 - 05.2005 | HITS114-925 | | |

**ASTRA Mk IV (G) Hatchback**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.7 CDTI 16V | Z 17 DTL | 1686 | 04.2003 - 05.2005 | HITS114-925 | | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 02.2000 - 05.2005 | HITS114-925 | | |

**ASTRA Mk IV (G) Saloon**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.7 CDTI 16V | Z 17 DTL | 1686 | 04.2003 - 05.2005 | HITS114-925 | | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 02.2000 - 05.2005 | HITS114-925 | | |

**ASTRA Mk V (H) Estate**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.7 CDTI | Z 17 DTH | 1686 | 08.2004 - 03.2009 | HITS114-925 | | |
| 1.7 TD | | 1686 | 08.2004 - 03.2009 | HITS114-925 | | |

**ASTRA Mk V (H) Hatchback**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.7 CDTI | Z 17 DTH | 1686 | 01.2004 - 05.2009 | HITS114-925 | | |
| | Z 17 DTL | 1686 | 01.2004 - 05.2009 | HITS114-925 | | |
| 1.7 TD | | 1686 | 01.2004 - 05.2009 | HITS114-925 | | |

**ASTRA Mk V (H) Sport Hatch**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.7 CDTI | Z 17 DTH | 1686 | 02.2005 - 11.2010 | HITS114-925 | | |

**ASTRAVAN Mk IV (G)**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.7 CDTI | Z 17 DTL | 1686 | 04.2004 - 08.2006 | HITS114-925 | | |

**COMBO Mk II (C) Box Body / Estate (F25)**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.7 CDTI 16V | Z 17 DTH | 1686 | 12.2004 - 11.2011 | HITS114-925 | | |
| 1.7 DI 16V | Y 17 DTL | 1686 | 09.2001 - 11.2011 | HITS114-925 | | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 10.2001 - 11.2011 | HITS114-925 | | |

**CORSA Mk II (C) (W5L, F08)**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.7 CDTI 16V | Z 17 DTH | 1686 | 08.2000 - 09.2006 | HITS114-925 | | |
| 1.7 DI 16V | Y 17 DTL | 1686 | 08.2000 - 09.2006 | HITS114-925 | | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 08.2000 - 09.2006 | HITS114-925 | | |

**CORSA Mk III (D) (L_8)**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.7 CDTI | A 17 DTR | 1686 | 11.2006 - | HITS114-925 | | |

**CORSAVAN Mk II (C)**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.7 DI 16V | Y 17 DTL | 1686 | 09.2000 - 06.2006 | HITS114-925 | | |
| 1.7 DTI 16V | Y 17 DT | 1686 | 09.2000 - 06.2006 | HITS114-925 | | |

**MERIVA Mk I (A)**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.7 CDTI 16V | Z 17 DTH | 1686 | 09.2003 - 08.2005 | HITS114-925 | | |

**ZAFIRA Mk II (B) (M75)**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.7 CDTI | Z 17 DTJ | 1686 | 04.2009 - | HITS114-925 | | |

# VW

## BORA (1J2)

| VEHICLE | ENGINE | CC | MODEL YEAR | ALTERNATOR | CRITERIA | |
|---|---|---|---|---|---|---|
| 1.8 T | AGU; ARX; AUM; BAE | 1781 | 05.2000 - 05.2005 | HITS13-250 | from 07.2002 | AT |
| 1.9 TDI | AJM; AUY | 1896 | 12.1998 - 06.2001 | HITS13-250 | | AT |
| | ASZ | 1896 | 11.2000 - 05.2005 | HITS13-250 | from 04.20014 to 06.2001 | AT |
| | ATD; AXR | 1896 | 09.2000 - 05.2005 | HITS13-250 | from 07.2002 | AT |
| 1.9 TDI 4motion | AJM; AUY | 1896 | 02.1999 - 06.2001 | HITS13-250 | to 04.2001 | AT |
| 2.3 V5 | AQN | 2324 | 10.2000 - 05.2005 | HITS13-250 | from 07.2002 | AT |
| 2.8 V6 4motion | AQP; AUE; BDE | 2792 | 03.1999 - 05.2005 | HITS13-250 | from 05.2001 to 05.2003 | AT |

## BORA Estate (1J6)

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.8 T | AGU; ARX; AUM | 1781 | 05.2000 - 05.2005 | HITS13-250 | from 07.2002 | AT |
| 1.9 TDI | AJM; AUY | 1896 | 05.1999 - 06.2001 | HITS13-250 | | AT |
| | ASZ | 1896 | 11.2000 - 05.2005 | HITS13-250 | from 05.2001 to 06.2001 | AT |
| | ATD; AXR | 1896 | 09.2000 - 05.2005 | HITS13-250 | from 07.2002 | AT |
| 1.9 TDI 4motion | AJM; AUY | 1896 | 05.1999 - 06.2001 | HITS13-250 | to 04.2001 | AT |
| | ASZ | 1896 | 11.2000 - 05.2005 | HITS13-250 | from 04.2001 to 06.2001 | AT |
| | ATD | 1896 | 09.2000 - 05.2005 | HITS13-250 | from 07.2002 to 05.2003 | AT |
| 2.3 V5 | AQN | 2324 | 10.2000 - 05.2005 | HITS13-250 | from 07.2002 | AT |
| 2.3 V5 4motion | AQN | 2324 | 10.2000 - 05.2005 | HITS13-250 | from 07.2002 to 05.2003 | AT |
| 2.8 V6 4motion | AQP; AUE; BDE | 2792 | 05.1999 - 05.2005 | HITS13-250 | from 05.2001 to 05.2003 | AT |

## GOLF Mk IV (1J1)

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.8 T | AGU; AQA; ARZ; AUM; AWD | 1781 | 08.1997 - 06.2005 | HITS114-875 | from 09.2000 to 05.2004 | |
| 1.9 TDI | AJM; AUY | 1896 | 12.1998 - 06.2001 | HITS13-250 | from 01.2000 | |
| | ASZ | 1896 | 11.2000 - 06.2005 | HITS13-250 | from 04.2001 to 05.2004 | |
| | ATD; AXR | 1896 | 09.2000 - 06.2005 | HITS13-250 | from 05.2001 to 05.2004 | MT |
| 1.9 TDI 4motion | AJM; AUY | 1896 | 09.1999 - 06.2001 | HITS13-250 | from 01.2000 to 04.2001 | MT |
| | ASZ | 1896 | 11.2000 - 06.2005 | HITS13-250 | from 04.2001 | MT |
| 2.8 V6 4motion | AQP; AUE; BDE | 2792 | 03.1999 - 06.2005 | HITS114-875 | from 01.2000 to 04.2002 | MT |

## GOLF Mk IV Estate (1J5)

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.8 T | AGU; AQA; ARZ; AUM; AWD | 1781 | 05.2000 - 06.2006 | HITS114-875 | from 09.2000 to 05.2006 | |
| 1.9 TDI | AJM; AUY | 1896 | 08.1999 - 06.2001 | HITS13-250 | from 01.2000 | |
| | ASZ | 1896 | 11.2000 - 06.2006 | HITS13-250 | from 04.2001 to 05.2006 | |
| | ATD; AXR | 1896 | 09.2000 - 06.2006 | HITS13-250 | from 05.2001 | MT |
| 1.9 TDI 4motion | AJM | 1896 | 05.1999 - 06.2001 | HITS13-250 | from 01.2000 to 04.2001 | MT |
| | ASZ | 1896 | 11.2000 - 06.2006 | HITS13-250 | from 04.2001 to 06.2005 | MT |
| | ATD | 1896 | 09.2000 - 06.2006 | HITS13-250 | to 06.2002 | AT |
| 2.8 V6 4motion | AQP; AUE; BDE | 2792 | 05.1999 - 06.2006 | HITS114-875 | to 06.2005 | |

## SHARAN (7M8, 7M9, 7M6)

| | | | | | | |
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| 1.8 T 20V | AJH; AWC | 1781 | 09.1997 - 03.2010 | HITS114-875 | from 04.2000 to 05.2005 | AT |
| 1.9 TDI | AUY; BVK | 1896 | 04.2000 - 03.2010 | HITS13-250 | from 06.2003 | AT |
| 2.8 V6 24V | AYL | 2792 | 04.2000 - 03.2010 | HITS114-875 | to 05.2005 | AT |

# Cross References

| REF | BRAND | WA REF |
|---|---|---|
| 021903016A | VW | HITLR1190-919 |
| 059903015T | VW | HITLR1190-916 |
| 059903018A | VW | HITLR1190-937 |
| 07Z903021E | VW | HITLR1190-913 |
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| 0986019361 | BOSCH | HITS114-925 |
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| 0986024210 | BOSCH | HITS114-949 |
| 0986040541 | BOSCH | HITLR170-758 |
| 0986042911 | BOSCH | HITLR180-766 |
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| 0986JR0873 | BOSCH | HITLR170-758 |
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| 09A911023B | VW | HITS13-250 |
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| REF | BRAND | WA REF |
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| 114032 | CARGO | HITS13-527 |
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| REF | BRAND | WA REF |
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| 23100DB00B | NISSAN | HITLR1130-702 |
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| 8980298921 | ISUZU | HITLR280-708 |
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| 8980568670 | ISUZU | HITLR1100-502 |
| 89871876572 | ISUZU | HITLR150-449 |
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| 9119793 | OPEL | HITS114-850 |
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| 94860302303 | PORSCHE | HITLR1190-935 |
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| 97133369 | OPEL | HITS114-850 |
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| 97189118 | OPEL | HITS114-925 |
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| A2T80391 | MITSUBISHI | HITLR170-758 |
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| A5T06891D | MITSUBISHI | HITLR170-746 |
| A5TA0591 | MITSUBISHI | HITLR170-746 |
| ALT10011 | WOODAUTO | HITLR180-762 |
| ALT32041 | WOODAUTO | HITLR160-728 |
| ALT32046 | WOODAUTO | HITLR150-449 |
| ALT32051 | WOODAUTO | HITLR1100-503 |
| ALT32061 | WOODAUTO | HITLR170-408 |
| ALT32062 | WOODAUTO | HITLR190-734 |
| ALT32067 | WOODAUTO | HITLR165-714 |
| ALT32068 | WOODAUTO | HITLR190-752 |
| ALT32071 | WOODAUTO | HITLR1100-502 |
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| ALT32171 | WOODAUTO | HITLR170-756 |
| ALT32174 | WOODAUTO | HITLR185-701 |
| ALT32185 | WOODAUTO | HITLR180-513 |
| ALT32193 | WOODAUTO | HITLR170-765 |
| ALT32194 | WOODAUTO | HITLR170-758 |
| ALT32197 | WOODAUTO | HITLR1110-723 |
| ALT32204 | WOODAUTO | HITLR180-766 |
| ALT32227 | WOODAUTO | HITLR1110-503 |
| ALT32228 | WOODAUTO | HITLR250-707 |
| ALT3511 | WOODAUTO | HITLR1100-725 |
| ALTV036 | WOODAUTO | HITLR170-408 |

# Cross References

| REF | BRAND | WA REF |
|---|---|---|
| AM114943A | HITACHI | HITS114-943 |
| B330MM8200EX | NISSAN | HITS114-818 |
| B330MM8211EX | NISSAN | HITS114-818 |
| B330MM8212EX | NISSAN | HITS114-818 |
| B34P18300A | MAZDA | HITLR170-758 |
| B5D818300A | MAZDA | HITLR170-758 |
| B6BF18300 | MAZDA | HITLR170-758 |
| B6BF18300D | MAZDA | HITLR170-758 |
| B6EW18300 | MAZDA | HITLR170-758 |
| BP4W18300C | MAZDA | HITLR170-758 |
| BP6D18300A | MAZDA | HITLR180-766 |
| BPE818300 | MAZDA | HITLR170-758 |
| BPE918300 | MAZDA | HITLR170-758 |
| BPE918300A | MAZDA | HITLR170-758 |
| CA2079IR | HC PARTS | HITLR170-756 |
| CS1192 | HC PARTS | HITS114-949 |
| CS1379 | HC PARTS | HITS114-943 |
| CS1390 | HC PARTS | HITS13-250 |
| CS1418 | HC PARTS | HITS114-902 |
| CS1477 | HC PARTS | HITS114-875 |
| DRA0099 | DELCO | HITLR190-734 |
| DRA0182 | DELCO | HITLR1100-503 |
| DRA0343 | DELCO | HITLR1110-503 |
| DRA0418 | DELCO | HITLR1190-913 |
| DRA0434 | DELCO | HITLR1110-503 |
| DRA0576 | DELCO | HITLR1110-723 |
| DRA0599 | DELCO | HITLR170-756 |
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| DRA0706 | DELCO | HITLR185-701 |
| DRA0787 | DELCO | HITLR170-765 |
| DRA0840 | DELCO | HITLR1100-502 |
| DRA0911 | DELCO | HITLR190-770 |
| DRA1024 | DELCO | HITLR180-513 |
| DRA3216 | DELCO | HITLR170-408 |
| DRA3376 | DELCO | HITLR150-449 |
| DRA3683 | DELCO | HITLR170-758 |
| DRA3697 | DELCO | HITLR170-746 |
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| DRA4097 | DELCO | HITLR190-752 |
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| DRS0052 | DELCO | HITS13-294 |
| DRS0089 | DELCO | HITS13-527 |
| DRS0139 | DELCO | HITS114-840 |
| DRS0139 | DELCO | HITS114-876 |
| DRS0193 | DELCO | HITS114-949 |
| DRS0376 | DELCO | HITS114-902 |
| DRS0376 | DELCO | HITS114-922 |
| DRS0443 | DELCO | HITS114-943 |
| DRS0463 | DELCO | HITS13-250 |
| DRS0478 | DELCO | HITS13-551 |
| DRS0479 | DELCO | HITS14-407 |
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| DRS0591 | DELCO | HITS114-928 |
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| DRS0795 | DELCO | HITS13-138 |
| DRS0828 | DELCO | HITS114-818 |
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| REF | BRAND | WA REF |
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| FP3418300B | MAZDA | HITLR180-766 |
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| JA1528IR | HC PARTS | HITLR190-734 |
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| REF | BRAND | WA REF |
|---|---|---|
| LR180762B | HITACHI | HITLR180-762 |
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| LRS02182 | LUCAS | HITS13-527 |
| LRS02313 | LUCAS | HITS114-840 |
| LRS02372 | LUCAS | HITS14-407 |

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| STR23008 | WOODAUTO | HITS13-294 |
| STR3305 | WOODAUTO | HITS114-801 |
| STR52025 | WOODAUTO | HITS114-949 |
| STR52053 | WOODAUTO | HITS114-943 |
| STR6008A | WOODAUTO | HITS14-205 |
| STR6012 | WOODAUTO | HITS13-514 |
| STR72000 | WOODAUTO | HITS13-212 |
| STR72000 | WOODAUTO | HITS13-327 |
| STR72002 | WOODAUTO | HITS114-871 |
| STR72003 | WOODAUTO | HITS13-138 |
| STR72004 | WOODAUTO | HITS13-118 |
| STR72009 | WOODAUTO | HITS13-207 |
| STR72019 | WOODAUTO | HITS114-850 |
| STR72031 | WOODAUTO | HITS114-925 |
| STR72036 | WOODAUTO | HITS13-326 |
| STR72040 | WOODAUTO | HITS114-570 |
| STR72040 | WOODAUTO | HITS114-800 |
| STR72045 | WOODAUTO | HITS24-03 |
| STR72048 | WOODAUTO | HITS13-527 |
| STR72054 | WOODAUTO | HITS13-551 |
| STR72055 | WOODAUTO | HITS114-844 |
| STR72061 | WOODAUTO | HITS14-02 |
| STR72109 | WOODAUTO | HITS13-250 |
| STR72117 | WOODAUTO | HITS114-902 |
| STR72117 | WOODAUTO | HITS114-922 |
| STR72117 | WOODAUTO | HITS114-955 |

# Cross References

| REF | BRAND | WA REF |
|---|---|---|
| STR72212 | WOODAUTO | HITS114-840 |
| STR72216 | WOODAUTO | HITS114-880 |
| STR72217 | WOODAUTO | HITS114-881 |
| STR72218 | WOODAUTO | HITS114-876 |
| Z50518300A | MAZDA | HITLR170-758 |
| Z59918300 | MAZDA | HITLR170-758 |
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| Z59918300C | MAZDA | HITLR170-758 |
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