Component Parts for CHEVY RACE CAR STARTER

Metro Auto Industrial Inc.
Toll Free: 1-800-263-8761
Assembly Diagram
* STRAIGHT ACROSS type.

(picture showed here is high torque)
165841-H
- High Torque, 2.0kw
- Fits 153 & 168 Fly Wheel Engine
- 100% Brand New
- Premium Quality
- Aluminum Alloy DE Housing, for more Strong Vibration
- All Replace Parts Available
- Out Right Price
- Volume Discount Price Available

165841-L
- Low Torque, 1.4kw
- Fits 153 & 168 Fly Wheel Engine
- Rebuilt Unit
- Use New Aluminum Alloy DE Housing for Strong Vibration
- Premium Quality
- Replace Parts Available
- Out Right Price
Components for Chevy Race Car Starter

51-81008
DE Housing
For: Hitachi Conversion
1.4kw & 2.0kw
Lester:
Dim.:
Note: Aluminum Alloy for Strong Torque use. High Heat Treated.

53-81101
Center Support Housing
For: Hitachi 2.0kw
Lester: 16584
Dim.:
Note: for low torque starter use 53-81103

54-81107
Drive, 9-T, CW
For: Hitachi 2.0kw
Lester: 17018, 17138
Dim.: 25.5mm Gear OD, 87.3mm OAL
Note: Pinion Gear use 54-82110

52-81201
CE Plate
For: Hitachi 1.8kw & 2.0kw
Lester:
Dim.: 79.3mm OD
Note:

53-81103
Center Support Housing
For: Hitachi 1.4kw
Lester:
Dim.:
Note: for high torque starter use 53-81101

54-82110
Pinion Gear
9-T, CW, 10-SPL
For: Hitachi 1.4kw, 2.0kw
Lester: 17018, 17138
Dim.: 25.3mm Gear OD, 87.3mm OAL
Note: CCW use 54-82111

54-82111
Pinion Gear
9-T, CCW, 10-SPL
For: Hitachi 1.4kw, 2.0kw
Lester:
Dim.: 25.3mm Gear OD, 87.3mm OAL
Note: CW use 54-82110; Can be use as marine starter, need change field coil to CCW, Brush Holder also need to change to CCW.
Components for Chevy Race Car Starter

55-81001
Shift Lever
For: Hitachi 2.0kw, OSGR
Lester:
Dim.: 3.8mm Thick
108.5mm OAL
Note: for low torque starter use 55-81003

57-81001
Field Case Assembly
12 Volt, CW
For: Hitachi 2.0kw
Lester:
Dim.: 91mm Height
Note: with Field Coil & two Brush

66-8107
Solenoid Switch
12 Volt, 3-Terminal
For: Hitachi 2.0kw
Lester:
Dim.: 23.7mm
Note: Batt. Term. M8x1.25
Motor Term. M8x1.25
Switch Term. Male Spade

66-8107C
Cap - Solenoid
12 Volt, 3-Terminal
For: Hitachi 2.0kw
Lester:
Dim.: 23.7mm
Note: Batt. Term. M8x1.25
Motor Term. M8x1.25
Switch Term. Male Spade

55-81003
Shift Lever
For: Hitachi 1.4kw
Lester:
Dim.: 85.5mm OAL
Note: for high torque starter use 55-81001

61-81001
Armature, cw
For: Hitachi, Thermo King 2.0kw
Lester:
Dim.: 188.4mm OAL
Note: with both side Bearing.
Read OD: 17mm
Front OD: 8mm
Commutator OD: 36.5mm OD
Components for Chevy Race Car Starter

**69-81013**
Brush Holder Assembly  
12 Volt, CW  
For: Hitachi 2.0kw  
Lester:  
Dim.:  
**Note:** wo/Field Brush  
Diesel Engine use, such as Chevrolet, Isuzu, Nissan, Pontiac, Thermo King

**71-82148**
Dust Cover  
-CS Housing to Solenoid  
For: Hitachi 2.0kw  
Lester:  
Dim.: 23.5mm Height, 38mm Width  
**Note:** for low torque starter use 71-82116; also used on 53-81106, 53-81107, 53-81108

**71-82135**
Tube  
-Terminal Wire  
For: Hitachi 2.0kw  
Lester:  
Dim.: 7mm ID  
8mm Neck  
88mm OAL  
**Note:**

**71-82116**
Dust Cover  
-CS Housing to Solenoid  
For: Hitachi 1.2kw & 1.4kw  
Lester:  
Dim.: 38mm Height, 38.5mm Width  
**Note:** for high torque starter use 71-82148

**71-82134**
Grommet  
-Terminal Lead to Field Case  
For: Hitachi 2.0kw  
Lester:  
Dim.: 9mm ID  
11mm Neck  
13mm Height  
**Note:**

**76-81001**
Shim & Washer set  
For: Hitachi 2.0kw  
Lester:  
Dim.: 1.7mm Thick  
**Note:**
Components for Chevy Race Car Starter

84-82117
Screw
Brush Holder Assy.
Lester:
Dim.: M4 x 0.7
10mm OAL
Note:

84-82135-1
Bolt
DE Housing
to CS Housing
Lester:
Dim.: M6 x 1.0
60mm OAL
20mm Thread Length
Note:

84-82139
Screw
CS Housing
to Solenoid
Lester:
Dim.: M6 x 1.0
32mm OAL
Note:

84-82124
Thru Bolt
DE Housing
Lester:
Dim.: M10 x 1.50
101mmL
Note: Zinc Plated

84-82136
Screw
DE Housing
to CS Housing
Lester:
Dim.: M6 x 1.0
40mm OAL
Note:

84-82140
Thru Bolt
CE Plate
to CS Housing
Lester:
Dim.: M5 x 0.8
142mm OAL
Note: