

INSTRUCTIONS

2009-06-04



HIGH PERFORMANCE 1.4KW STARTER

GENERAL

Kit Number

31619-06A (Black), 31621-06A (Chrome)

J04280

Models

This kit fits 2006 and later Dyna, and 2007 and later Softail and Touring model motorcycles.

Service Manual Required

A WARNING

Rider and passenger safety depend upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a Harley-Davidson dealer perform the installation. Improper installation of this kit could result in death or serious injury. (00333b)

NOTE

This instruction sheet refers to service manual information. A service manual for this year/model motorcycle is required for this installation and is available from a Harley-Davidson dealer.

Kit Contents

See Figure 1, Table 1 and Table 2.

PREPARATION

NOTE

Remove and replace the starter when the engine is cool.

▲ WARNING

To prevent accidental vehicle start-up, which could cause death or serious injury, disconnect battery cables (negative (-) cable first) before proceeding. (00307a)

▲ WARNING

Disconnect negative (-) battery cable first. If positive (+) cable should contact ground with negative (-) cable connected, the resulting sparks can cause a battery explosion, which could result in death or serious injury. (00049a)

NOTE

AFTER disconnecting the negative (-) battery cable, disconnect the positive (+) battery cable and main fuse power wire at the starter.

- Refer to the service manual and follow the instructions given to remove the seat and disconnect the battery cables, negative (-) cable first. Retain all seat mounting hardware.
- Remove the currently installed starter per the instructions in the service manual.

INSTALLATION

 Follow the instructions in the service manual to install the new starter using the hardware removed earlier.

NOTE

Verify that the ignition key switch is in the OFF position **before** attaching the battery cables.

 Apply a light coat of Harley-Davidson electrical contact lubricant (H-D Part No. 99861-02), petroleum jelly or corrosion retardant material to the battery terminals. Refer to the service manual and follow the instructions given to attach the battery cables (positive cable first).

▲ WARNING

Connect positive (+) battery cable first. If positive (+) cable should contact ground with negative (-) cable connected, the resulting sparks can cause a battery explosion, which could result in death or serious injury. (00068a)

A WARNING

After installing seat, pull upward on seat to be sure it is locked in position. While riding, a loose seat can shift causing loss of control, which could result in death or serious injury. (00070b)

3. Refer to the service manual, and follow instructions to install the seat.

SERVICE PARTS

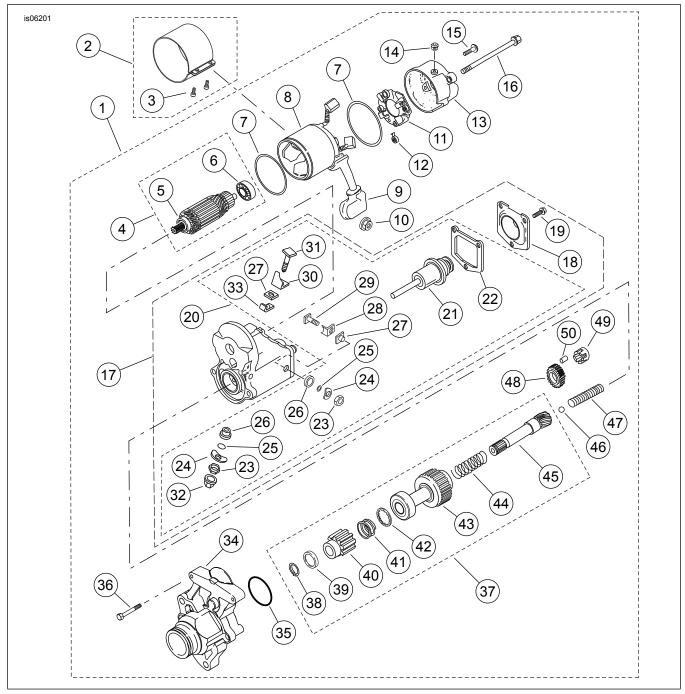


Figure 1. Service Parts, High Performance 1.4 kW Starter

Table 1. High Performance 1.4 kW Starter Kits

Kit	Item	Description (Quantity)	Part Number
31619-06A, 1.4 kW	1	Starter, 1.4 kW (See Table 2 for serviced parts)	Not sold separately
Starter (Black)			
31621-06A, 1.4 kW Starter (Chrome)	1	Starter, 1.4 kW (See Table 2 for serviced parts)	Not sold separately
	2	Cover, starter yoke (chrome)	Not sold separately
	3	Screw, M4-0.7 x 10 mm (0.394 in) long (2)	Not sold separately

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SERVICE PARTS

Table 2. Service Parts, High Performance 1.4 kW Starter

Armature assembly, 1.4 kW starter (noludes items 5 and 6) Armature assembly, 1.4 kW starter (noludes items 5 and 6) Ball bearing O-ring, starter yoke (2) Starter yoke (field coil) Ferminal cap, rubber Iteminal cap, rubber Holder assembly, starter brush (includes item 12) End frame, starter Iteminal cap, rubber Iteminal	14 0 100	Pagarintian (Quantity)	
5 - Ball bearing 8871 6 - Ball bearing 8883 7 - Oring, starter yoke (feld coll) Not sold separately 8 Starter yoke (field coll) Not sold separately 10 Flange nut 3163-90 11 Holder assembly, starter brush (includes item 12) 31542-06 12 - Spring, starter brush (4) Not sold separately 13 - End frame, starter 31608-90 14 Drain vent 31660-90 15 Screw (2) 929A 16 Through bolt, unfinished (2), for black starter 31619-06A Not sold separately 17 Starter solenoid assembly (includes items 18 through 20) 31631-06 18 - Solenoid cover 31688-90 19 - Bolt, with washer (3) 31689-90 20 - Starter repair kit (includes items 21 through 33) 31694-06 21 - Plunger subassembly Not sold separately 22 - Gasket Not sold separately 23 - Jam nut (2) Not sold separately 24 - Wave washer (2) Not sold separately 25 - Oring (2) Not sold separately 26 - Bushing, round (2) Not sold separately 30 - Contact plate Not	Item	Description (Quantity) Armature assembly 1.4 kW starter (includes items 5 and 6)	Part Number
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7			
8 Starter voke (field coil) Not sold separately 9 Terminal cap, rubber 31643-06 10 Flange nut 3403 11 Holder assembly, starter brush (includes item 12) 31542-06 12 · Spring, starter brush (4) Not sold separately 13 End frame, starter 31508-06 14 Drain vent 31600-90 15 Screw (2) 928A 16 Through boit, unfinished (2), for black starter 31619-06A Not sold separately 16 Through boit, unfinished (2), for black starter 31619-06A 3024 17 Starter solenoid assembly (includes items 18 through 20) 31683-00 18 · Solenoid cover 31688-90 19 · Bolt, with washer (3) 31688-90 20 · Starter repair kit (includes items 21 through 33) 31604-06 21 · Plunger subassembly Not sold separately 22 · Gasket Not sold separately 23 · Jam nut (2) Not sold separately 24 · Wave washer (2) Not sold separately 25 · O-ring (2) Not sold separately 26 · Bushing, round (2) Not sold separately 27 · Bushing, square (2) Not sold separately 3			
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