



INSTRUCTIONS

J06554

2017-08-23



10MM SPARK PLUG WIRES

GENERAL

Kit Number

316000108, 31600109, 31600110

Models

For model fitment information, see the P&A retail catalog or the Parts and Accessories section of www.harley-davidson.com (English only).

Kit Contents

See Figure 5 and Table 1.

⚠ 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 your year/model motorcycle is required for this installation. One is available from a Harley-Davidson dealer.

⚠ WARNING

Disconnecting spark plug cable with engine running can result in electric shock and death or serious injury. (00464b)

PREPARE

1. Remove seat. See service manual.
2. Remove fuel tank. See service manual.

REMOVAL

1. Locate spark plug cable straps and cut open.

2. **NOTE**

Remove cable by pulling on rubber boot only. Do not pull on cable or damage can result. Pull and twist simultaneously to remove rubber boot.

See Figure 1. Disconnect boots (1-4) from coil.

3. See Figure 2. Disconnect boots (6-9) from engine using HD-52006 (Adjustable Spark Plug Wire Puller).
4. Remove spark plug cables.

5. **NOTE**

Make note of cable strap locations. The earlier touring vehicles may have not been equipped with the latest update for cable straps. See Figure 2.

Remove and discard cable straps.

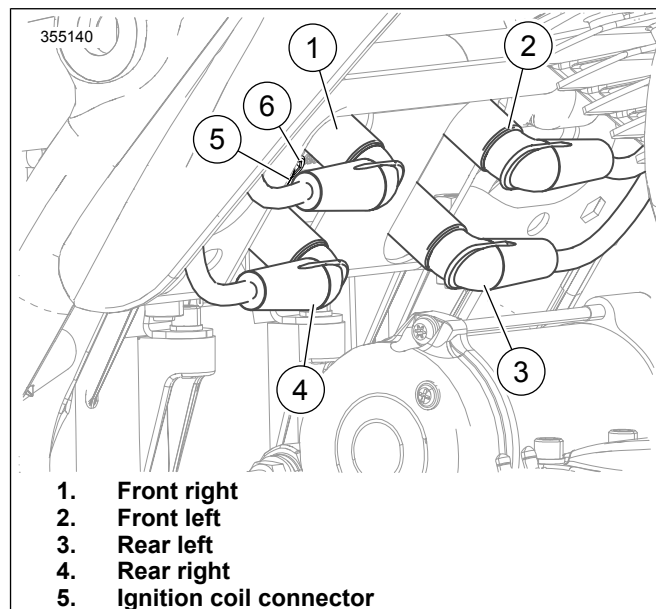


Figure 1. Coil Spark Plug Cables

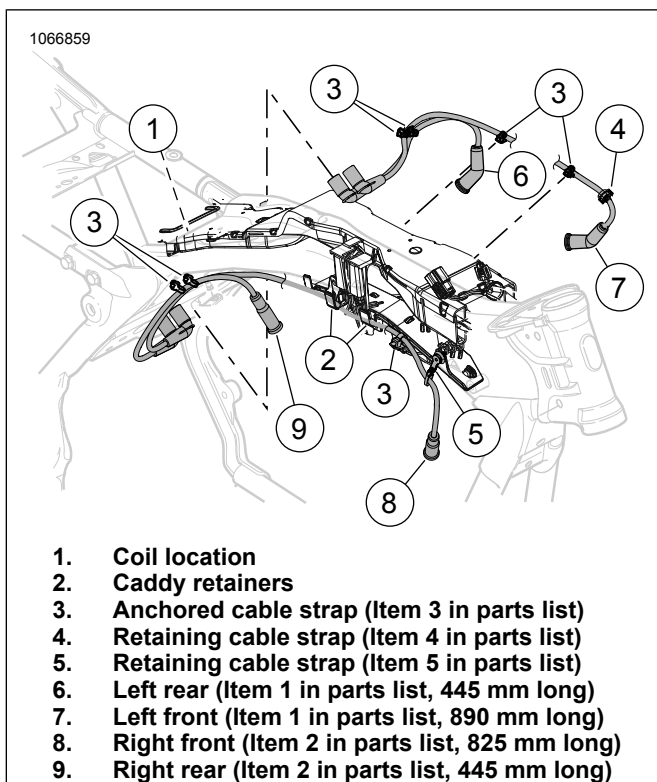


Figure 2. Motor Spark Plug Cables

INSTALLATION

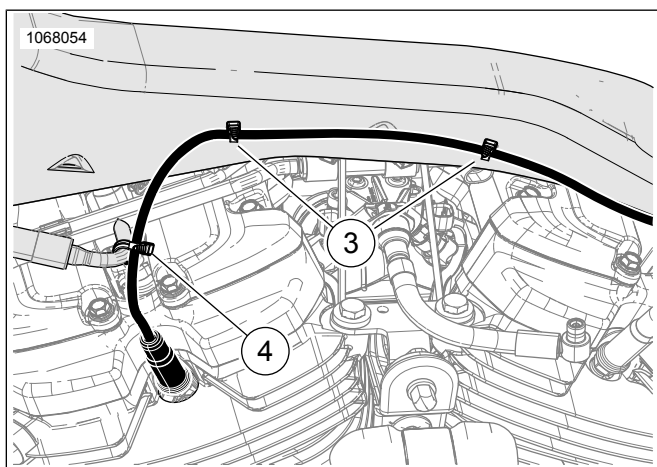


Figure 3. 10MM Spark Plug Wire Routing (left)

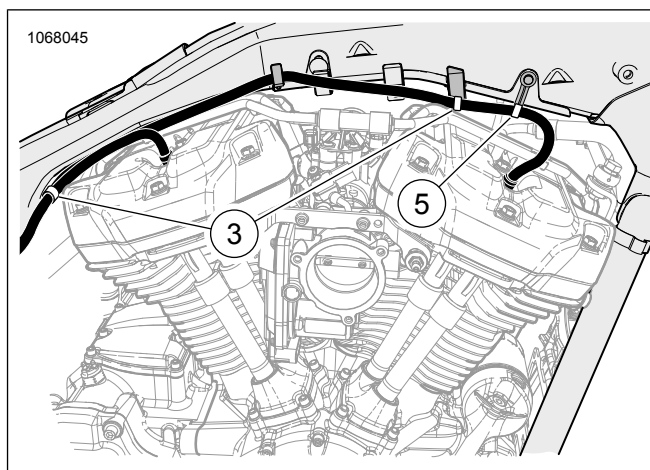


Figure 4. 10MM Spark Plug Wire Routing (right)

1. See Figure 5. Apply dielectric grease (6) to the insides of the coil (A) and spark plug boots (B).
2. See Figure 1 and Figure 2 Connect and route **new** spark plug cables.
 - a. Figure 4**Right cable**: Route front cable through caddy retainers (2).
 - b. Figure 3**Left cable**: Secure anchored cable straps (3) to frame backbone.
3. See Figure 2. Install cable straps.
 - a. Item 3, push into frame locations and loosely tie down cable.
 - b. Item 4, clamp to coolant line and loosely tie down cable.
 - c. Item 5, remove existing push-in clip, push new cable strap and loosely tie down cable.
4. Adjust spark plug cables and tighten cable straps.
5.

NOTE

Adjust spark plug boots to avoid contact with fuel tank.

Install fuel tank. See service manual.
6. Install seat. After installing seat, pull up on the seat to verify that it is secure. See service manual.

SERVICE PARTS

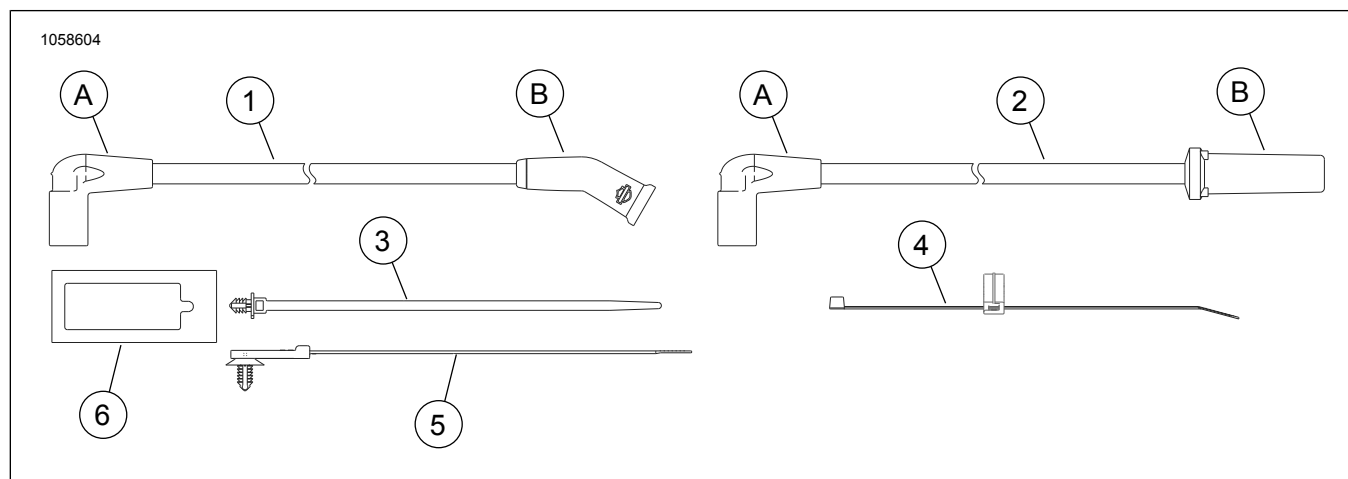


Figure 5. Service Parts: 10 MM Spark Plug Cables

Table 1. Service Parts

Kit	Item	Description (Quantity)	Part Number
31600108	1	Spark plug cable, black, front left (890 mm long)	Not sold separately
		Spark plug cable, black, rear left (445 mm long)	Not sold separately
	2	Spark plug cable, black, front right (825 mm long)	Not sold separately
		Spark plug cable, black, rear right (445 mm long)	Not sold separately
	3	Cable strap (7)	10177
	4	Tie clip	12200170
31600109	1	Spark plug cable, red, front left (890 mm long)	Not sold separately
		Spark plug cable, red, rear left (445 mm long)	Not sold separately
	2	Spark plug cable, red, front right (825 mm long)	Not sold separately
		Spark plug cable, red, rear right (445 mm long)	Not sold separately
	3	Cable strap (7)	10177
	4	Tie Clip	12200170
31600110	1	Spark plug cable, orange, front left (890 mm long)	Not sold separately
		Spark plug cable, orange, front right (445 mm long)	Not sold separately
	2	Spark plug cable, orange, rear left (825 mm long)	Not sold separately
		Spark plug cable, orange, rear right (445 mm long)	Not sold separately
	3	Cable strap (7)	10177
	4	Tie clip	12200170
Items mentioned in text.			
	A	Coil boot	
	B	Spark plug boot	