



INSTRUCTIONS

-J00964

REV. 7-30-97

Kit Numbers 31965-93B to 31969-93B, 31973-93B, 32024-95A to 32027-95A,
and 32036-95B to 32039-95B

BRAIDED SPARK PLUG WIRE KITS

General

These kits are designed for installation on these vehicles:

1986 and later XL models (except 1998 and later XL1200S):

31965-93B 31966-93B 31967-93B
32036-95B 32037-95B 32038-95B
32039-95B

1985 and later Softail/Dyna Glide models:

31968-93B 31969-93B 31973-93B
32024-95A 32025-95A 32026-95A
32027-95A

Kit contents:

QTY	DESCRIPTION
2	Plug wires
2	Cable straps

31965-93B and 31968-93B: red with silver stripe
31966-93B and 31969-93B: silver with black stripe
31967-93B and 31973-93B: gold, silver, and black
32038-95B and 32026-95A: silver
32037-95B and 32025-95A: red
32036-95B and 32024-95A: blue
32039-95B and 32027-95A: black

General Information for All Kits

NOTE

A Service Manual for your vehicle is available from your Harley-Davidson dealer.

⚠WARNING

To avoid accidental start-up of motorcycle, and possible personal injury, disconnect the battery cables (negative cable first) before performing any of the following procedures. If the positive cable should contact ground with the negative cable installed, the resulting sparks may cause a battery explosion resulting in personal injury.

⚠WARNING

Never disconnect a spark plug cable with the engine running. If you disconnect a spark plug cable with the engine running, you could receive a potentially fatal electric shock from the ignition system.

NOTE

Make note of the location of existing spark plug wires before disconnection. Reference them when installing new wires.

Installation - XL Models

⚠WARNING

Gasoline is extremely flammable and highly explosive under certain conditions. Do not smoke or allow open flame or sparks anywhere in the area when refueling or servicing the fuel system. Follow all Service Manual instructions for proper assembly and disassembly procedures.

1. Remove fuel tank following instructions in appropriate Service Manual. Place tank in a safe location where it will not be damaged or scratched.
2. Cut cable straps securing upper spark plug wire and harness assembly to frame of motorcycle at tank location. Remove existing spark plug wires.
3. Seat the new rear cylinder spark plug wire firmly into the coil tower.
4. Seat the new front cylinder spark plug wire firmly into the coil tower.

Verify that the plug wire terminal is plugged into the coil tower by sliding the 90 degree boot back far enough to see the terminal plugged into the coil tower.

Slide the terminal boot back over the coil tower.

5. Connect spark plug wires to spark plugs. Make sure boots are seated firmly on plugs.
6. Secure rear cylinder spark plug wire to frame using cable straps from kit.
7. Reassemble fuel tank to frame following Service Manual procedure. Make sure horn bracket is properly spaced and rubber grommets are in place.
8. Tighten all fuel tank hardware.

Installation - FXST Models

1. Remove existing spark plug wires.
2. Place new wires firmly into coil towers. Make sure boots and wires are seated over towers.
3. Connect spark plug wires to spark plugs. Make sure boots are seated firmly on plugs.
4. Insert kit supplied cable strap through hole (located under gas tank) where old spark plug cable was anchored. Wrap cable strap around new spark plug wire and secure wire.

Installation - Dyna Models

1. Remove existing spark plug wires and discard.
2. Place new wires firmly into coil towers. Make sure boots and wires are seated over towers.
3. Connect spark plug wires to spark plugs. Make sure boots are seated firmly on plugs.
4. Secure front cylinder coil wire. Insert cable straps from kit through existing hole under gas tank where original wire was anchored.