



# INSTRUCTIONS

-J02057

REV. 6-19-01

Kit Numbers 91460-01, 91462-01 and 91463-01

## STROBE SYSTEM FOR FLH/DYNA POLICE MODELS

### General

This strobe system is designed for installation on 1996 and later FLHP, FLHTP and FXDP Model Motorcycles. Harley-Davidson police motorcycles are shipped from the factory with the brackets necessary to mount a police pole lamp.

**Kit P/N 91460-01** is a 2-point strobe system and consists of a Strobe Power Supply, PAR-36 Strobe (blue), PAR-36 Strobe (red) and Strobe Harnesses.

**Kit P/N 91462-01 and P/N 91463-01** are 3-point strobe systems and consist of a Strobe Power Supply, PAR-36 Strobe (blue), PAR-36 Strobe (red), Strobe Harnesses and a Strobe Pole Lamp Assembly. The Pole Lamp Assembly is equipped with a red lens (Kit 91462-01) or blue lens (Kit 91463-01).

#### NOTE

See Service Parts Page Illustration for kit contents.

#### NOTE

A Service Manual for your motorcycle is available from your Harley-Davidson Dealer.

### WARNING

Read this entire Instruction Sheet before beginning. If any procedures are not within your capabilities, or you do not have the correct tools, have your Harley-Davidson Dealer perform the installation. Inadequate safety precautions could result in death or serious injury.

### Installation

#### NOTE

For Kit P/N 91460-01 (Pole Lamp not included), proceed to Step 6.

#### Install Pole Lamp (Kit P/N's 91462-01 and 91463-01 Only)

Refer to the applicable Harley-Davidson Police Service Manual Supplement for detailed instructions to remove necessary components.

1. See Figure 1. Cut all but approximately 14 inches (254 mm) of wire off the pole lamp.

#### NOTE

Be sure you match the wires correctly. The black wire from the lamp should be matched to the 2-place female accessory connector black wire; the red wire from the lamp should be matched to the 2-place female connector green/red wire. If wires are not correctly matched, the polarity for the lamp will be wrong and the lamp will not work.

2. Follow instructions under the DEUTSCH ELECTRICAL CONNECTORS section of the current FLT Service Manual for terminating wires and installing socket terminals to wires and wires to male connector.

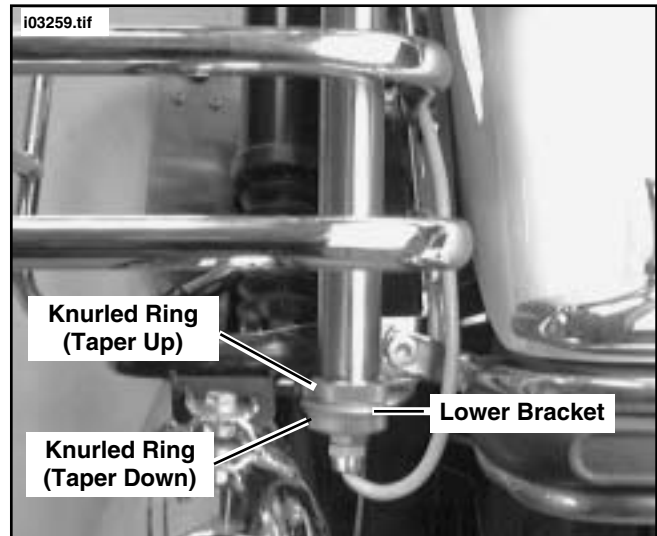


Figure 1. Pole Lamp Wiring (FLHTP Shown)

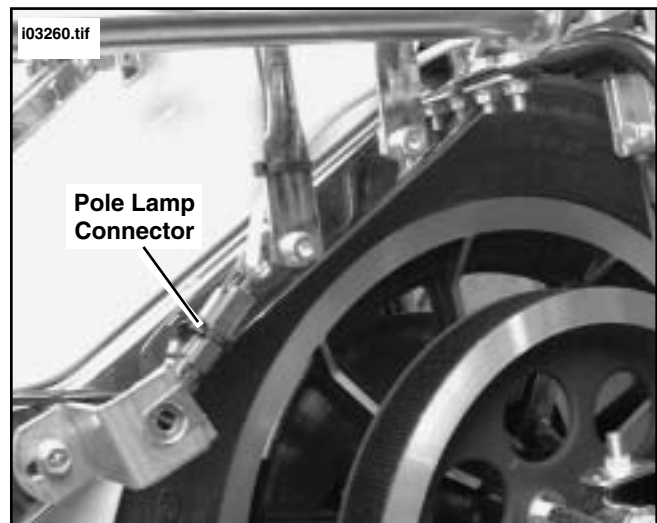


Figure 2. Pole Lamp Connector (FLHTP Shown)

3. Unscrew both knurled rings from the pole lamp and slide them off the assembly. Slide the pole lamp and wire assembly through the upper bracket.
4. Screw a knurled ring onto the bottom of the pole lamp with taper up. Insert pole through bottom bracket and thread on bottom knurled ring with taper down. Tighten both knurled rings against bracket to lock pole in position.
5. See Figure 2. Locate female connector (installed at factory) and snap male and female Deutsch connectors together. Secure connector along saddlebag support tube (i.e. as shown) using cable strap(s).

## Install Power Supply (All Kits)

### CAUTION

The power supply **MUST** be installed in a water tight environment (i.e. in one of the saddlebags). Do not mount power supply to the outside of the motorcycle or any location which is not waterproof. If power supply comes in contact with water, component damage could occur.

1. Follow instructions included with power supply and mount in a suitable location using hardware included.

## Install Front Strobe Lights and Wiring (All Kits)

### WARNING

To protect against shock and accidental start-up of vehicle, disconnect the negative battery cable before proceeding. Inadequate safety precautions could result in death or serious injury.

### WARNING

Always disconnect the negative battery cable first. If the positive cable should contact ground with the negative cable installed, the resulting sparks may cause a battery explosion which could result in death or serious injury.

1. Disconnect battery cables, negative battery cable first.
2. Follow instructions in applicable Service Manual and remove fuel tank.
3. Remove the two socket head screws securing the left side directional signal to the Spotlamp Mounting Bracket. Save screws for reinstallation.
4. Remove the Phillips screw at the bottom of the lamp molding and remove the chrome ring from the lamp bucket. Save screw for reinstallation. Carefully pull the sealed lamp unit out and away from the bucket.
5. Disconnect the wire terminals from the sealed beam unit.
6. See Figure 3. Locate the spotlight power wire and cleanly cut the terminal end off of wire. The spotlight power wire will vary in color according to the left and right lamps and the model. Note the following:

**FLHTP/I and FLHP/I Models**-Power Wire for Left and Right Lamps-(Grey/Black)

**FXDP Models**-Left Lamp Power Wire-(Grey/Violet), Right Lamp Power Wire-(Grey/Brown)

7. Push/pull the wire down through the spotlight mount post and cut the wire at the entrance to the conduit. Tape the end and tuck the wire into conduit.

### NOTE

*Tuck the ground (black) wire with terminal into the lamp bucket so it is out of the way.*

8. See Service Parts Illustration. Obtain one of the Strobe Harnesses (4) from kit and locate the open end (3 wires, no connector).

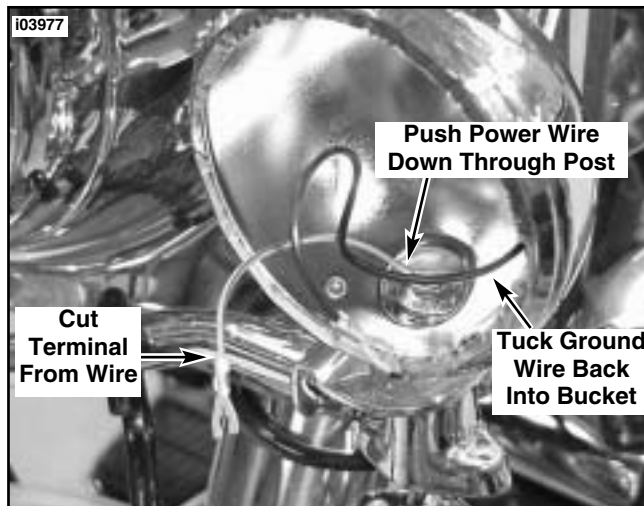


Figure 3. Modify Existing Wiring

9. Begin with connector end at the point where the power supply has been mounted. Route the open end of harness along frame under fuel tank and along existing directional lamp conduit up to front.
10. See Figure 4. Route (Push) the 3 wires from harness up through the lamp mounting stem and out into the lamp bucket following the same route as when removing the original power wire.

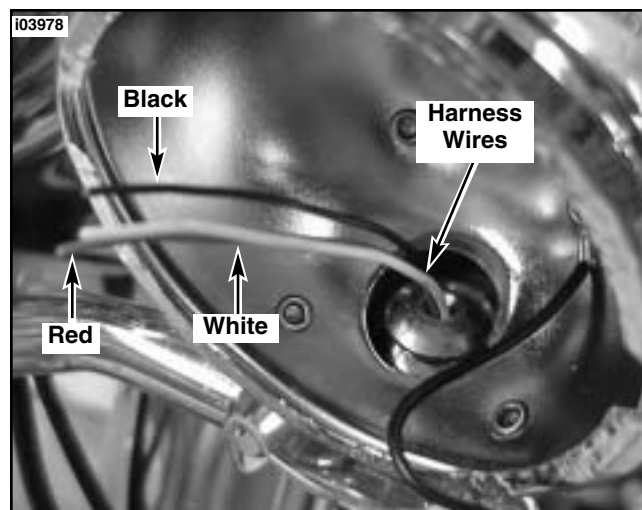


Figure 4. Route Harness Wiring Into Lamp Bucket

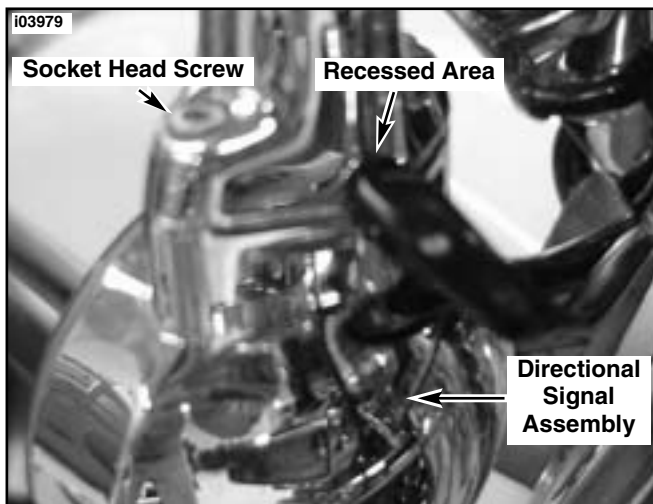
11. See Service Parts Illustration. Obtain three Socket Pin Terminals (6) and one plastic 3-place Connector (5) from kit.
12. Follow instructions in Service Manual under "Installing Amp Connectors" and install a socket terminal to each of the wire ends.
13. Note the numbers marked on the plastic connector and install each of the terminals into the following respective cavity. Make sure the socket terminals "snap" into place.

**Red Wire Terminal to Connector Cavity 1.**  
**Black Wire Terminal to Connector Cavity 2.**  
**White Wire Terminal to Connector Cavity 3.**

**NOTE**

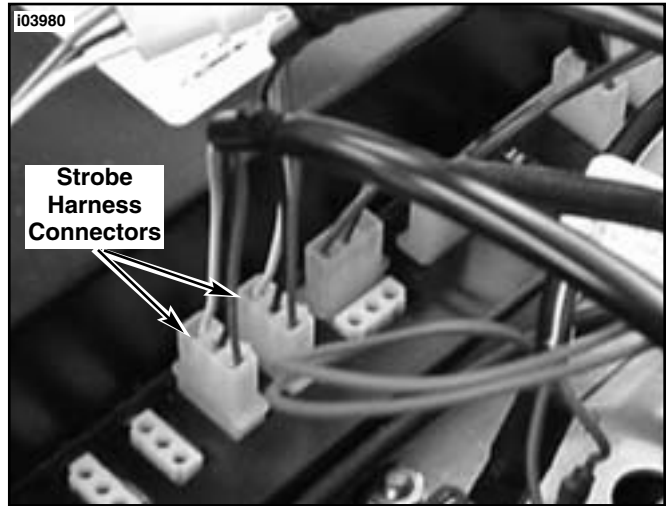
When performing the following Step, the Red Par-36 Strobe is normally installed on the left side; the Blue Par-36 Strobe is installed on the right side.

14. See Service Parts Illustration. Obtain the left Par-36 Strobe Lamp (Red) (2) from kit and mate the harness connector with the strobe connector.
15. Position the Strobe within the mount and reinstall the chrome ring using the Phillips head screw removed in Step 4. Tighten securely.
16. See Figure 5. Make sure conduit rests in the recess of the clamp area as shown. Reinstall the left directional signal assembly to the Spotlamp mounting bracket using socket head screws removed in Step 3. Tighten screws securely.
17. Perform Steps 3 through 16 for the right side of the motorcycle. The Blue Par-36 strobe (1) will be used.



**Figure 5. Reinstall Directional Signal to Passing/Pursuit Lamp Mounting Bracket**

18. Route the left and right Strobe Harnesses under the fuel tank then toward the back of the bike taking the same path as the left and right directional lamp conduits. Continue along the frame and back into the opening in the Tour-Pak.
19. Obtain three wire ties (7) from kit and secure the strobe harness to the frame (or directional lamp conduit) at appropriate locations. Repeat for the other harness
20. See Figure 6. Connect the strobe harness connectors to the power supply as shown.



**Figure 6. Connect Strobes to Power Supply Outlets**

**NOTE**

Depending on which of the four outlets are chosen, the flash pattern can be set so lamps flash alternately or simultaneously. You may want to experiment with the various outlets until the desired flash pattern is achieved.

21. Follow instructions in applicable Service Manual and install fuel tank.

**WARNING**

**Always connect the positive battery cable first. If the positive cable should contact ground with the negative cable installed, the resulting sparks may cause a battery explosion which could result in death or serious injury.**

22. Install battery cables, positive cable first.
24. Test strobe lights for proper operation.



# Service Parts

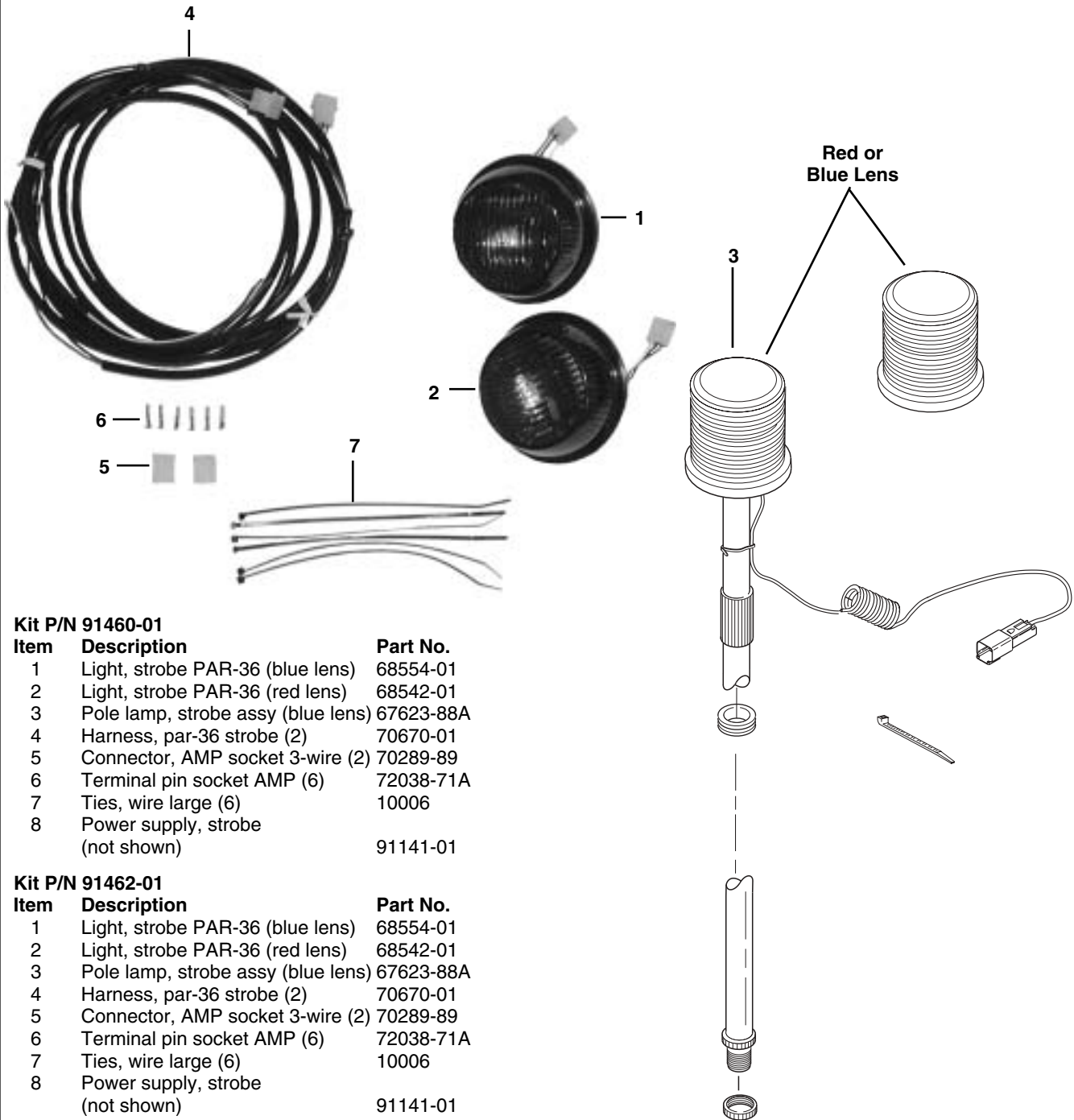
Part No. 29460-01 and others

Date 6/01

## 3-Point Strobe System

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i03990.eps



### Kit P/N 91460-01

Item	Description	Part No.
1	Light, strobe PAR-36 (blue lens)	68554-01
2	Light, strobe PAR-36 (red lens)	68542-01
3	Pole lamp, strobe assy (blue lens)	67623-88A
4	Harness, par-36 strobe (2)	70670-01
5	Connector, AMP socket 3-wire (2)	70289-89
6	Terminal pin socket AMP (6)	72038-71A
7	Ties, wire large (6)	10006
8	Power supply, strobe (not shown)	91141-01

### Kit P/N 91462-01

Item	Description	Part No.
1	Light, strobe PAR-36 (blue lens)	68554-01
2	Light, strobe PAR-36 (red lens)	68542-01
3	Pole lamp, strobe assy (blue lens)	67623-88A
4	Harness, par-36 strobe (2)	70670-01
5	Connector, AMP socket 3-wire (2)	70289-89
6	Terminal pin socket AMP (6)	72038-71A
7	Ties, wire large (6)	10006
8	Power supply, strobe (not shown)	91141-01

### Kit P/N 91463-01

Item	Description	Part No.
1	Light, strobe PAR-36 (blue lens)	68554-01
2	Light, strobe PAR-36 (red lens)	68542-01
3	Pole lamp, strobe assy (red lens)	67624-88A
4	Harness, par-36 strobe (2)	70670-01
5	Connector, AMP socket 3-wire (2)	70289-89
6	Terminal pin socket AMP (6)	72038-71A
7	Ties, wire large (6)	10006
8	Power supply, strobe (not shown)	91141-01