

PARTS LIST

QTY.	DESCRIPTION
1	Light Bar Assembly
1	Screw, Button Head, 1/4-20 x 3/4
1	Flat Washer, 1/4"
2	Spacers, 3/4" OD x 5/8" Long
2	Bolts, Hex Head, 3/8-16 x 2
6	Connectors. Scotchlok

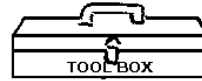
PREPARATION

Note: A Service Manual will be helpful for performing some of the following procedures.

- Remove Headlight from Headlight Shell (Screwdriver) set aside.
- Disconnect Turnsignal wires behind or inside Headlight Shell.
- Unbolt Headlight Shell from Eyebrow (3/4" Socket & Wrench). Let hang from wires.
- Remove front Turnsignal Assemblies from motorcycle.
 - If Turnsignals are mounted to the Handlebar use the 1/2" Wrench.
 - For fork mounted Turnsignals, 1996 to current, use the Torx Wrench
 - For fork mounted Turnsignals 1987-92 use the 5/16 Hex Key
 Set turnsignals aside, they will not be reused.
- Remove screw from Brake Hose Clamp and Clutch Cable Guide (Hex Key Wrench, 3/16") located on the bottom of the lower Triple Clamp. Set aside, it will not be reused.
- Remove the Pinch Bolts from the lower Triple Clamp (Torx Wrench, 1993 to Current, or 5/16 Hex Key, 1987 to 92). Set aside, they will not be reused.

INSTALLATION

- Mount the Light Bar Assembly:
 - Hold the Light Bar assembly up to the lower Triple Clamp, the center bracket will be below the Triple Clamp.
 - Start the 1/4-20 x 3/4 Screw, with Washer, through the Brake Hose Clamp, clutch cable guide then the center bracket and into the threaded hole previously used for the Brake Hose Clamp.
 - Position a Spacer between the Outer Brackets and the Triple Clamp and start the 3/8-16 x 2" Hex Bolts through the Outer Bracket, then the Spacer and into the Pinch bolt location on the lower Triple Clamp. Do this on both sides of the lower Triple Clamp.



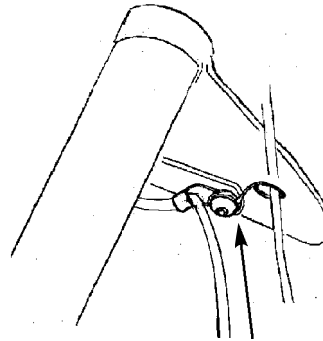
Tools used in all installations:

Wrench, 9/16"
Hex Key Wrench, 3/16"
Hex Key 5/32"
Pliers, Slip Joint
Screwdriver, #2 Phillips
Socket, 3/4" & Wrench

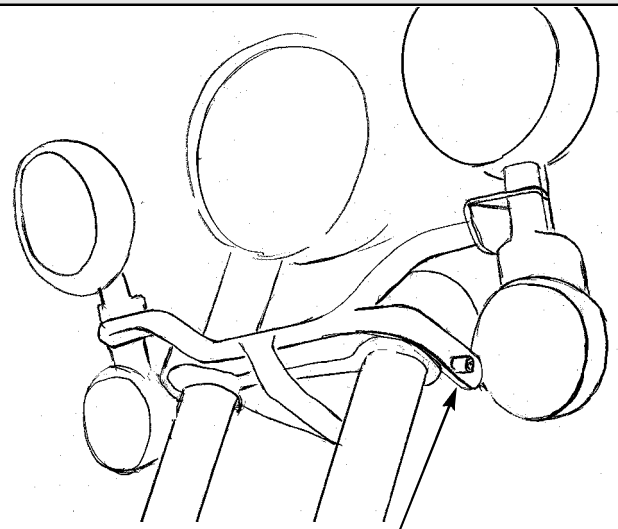
Tools used in specific installations:

Wrench, 1/2" (Turnsignals on Handlebar)
Torx Wrench, T45 (1992 to Current)
Hex Key Wrench, 5/16" (1987 to 1991)

INSTALLATION Steps 1. A-E



Insert 1/4-20 X 3/4" screw with washer, through the brake hose clamp, clutch cable guide and center bracket.



Position a 5/8" spacer between the outer bracket and the triple clamp.

INSTALLATION continued

D. Tighten the 1/4-20 x 3/4 Screw to 4 - 10 ft lbs (5 - 14 Nm) (Hex Key Wrench, 5/32").

E. Tighten the 3/8-16 x 2" Bolts to 30 - 35 ft lbs (41- 47 Nm) (Wrench, 9/16).

2. Wire the Light Bar Assembly:

The wire colors listed are located at the electrical coupler going to the main wire harness. The wires from the original Turnsignal may be different.

A. Route the Light Bar assembly wires into the Headlight Shell.

B. Attach the wires according to the following list (Connectors & Pliers);

Note: Grounding is through the frame.

1994 Harley-Davidson Models

	Light Bar	Motorcycle
Turnsignal, Left	Short Red	VIOLET / BROWN (Pin 10) (Gray Coupler)
Running Light, Left	Short Black	BLUE (Pin 9) (Gray Coupler)
Turnsignal, Right	Short Red	VIOLET / BROWN (Pin10) (Black Coupler)
Running Light, Right	Short Black	BLUE (Pin 9) (Black Coupler)
Passing Lamps	Long Blue	YELLOW (Lo Beam)
Ground		BLACK

1987 to 1993, 1995 to Current Harley-Davidson Models

Turnsignal, Left	Short Red	VIOLET
Running Light, Left	Short Black	BLACK
Turnsignal, Right	Short Red	BROWN
Running Light, Right	Short Black	BLACK
Passing Lamps	Long Blue	YELLOW (Lo Beam)
Ground		Refer to the Note below.

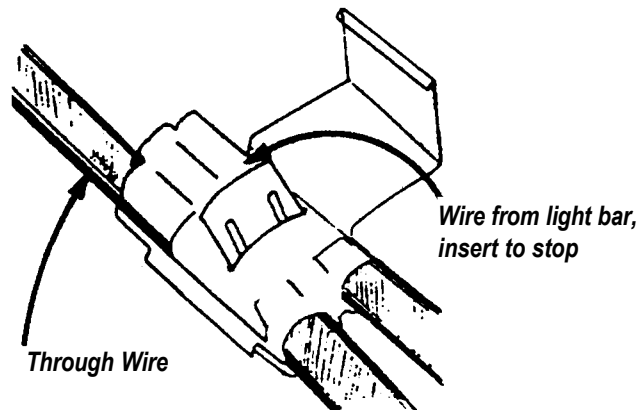
Note: If you add a ground wire from the Light Bar, attach the wire to the upper Triple Clamp.

C. Reinstall Headlight Shell and Headlight.

TESTING

1. Check all lights for proper operation and aim. (Refer to Manual)
2. Check the tightness of all fasteners that have been involved in this installation.

Step 2 B.



Note, Light Bar Wiring Helpful Hints:

The **Long Blue** wire is the main power wire for the spot-lights on the light bar. Connect that to the main power source from the headlight. Either the High Beam wire or the Low Beam wire. The choice is your preference. Turn on bike and Check.

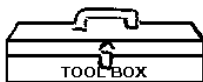
The two short **RED** wires are for the turn signals. One **RED** wire for the Left side turn signal and one for the Right side turn signal. Turn on bike and check.

The two short **BLACK** wires are for the running lights. One **BLACK** wire for the Left side running light and one for the Right side running light. Turn on bike and check.

The Light Bar attached to the front fork of the motorcycle serves as the ground in most cases. A precautionary step to insure proper grounding is to take one of the Black Ground wires from the existing turn signals and ground that between the Light Bar Mount and the Triple Tree Bracket.

Always start by doing one side at a time. Preferably the right side or high side of the bike first.

ADJUSTMENT PROCEDURE



Hex Key, 5/32" or 4mm
Deep Socket and Socket ; 9/16"
or 14mm

NOTE: As a substitute for the deep socket you may use a slotted socket such as Snap On Brand part number FRX181 used in the auto trade as an OXY Sensor Socket. This eliminates the need to disconnect and move the wires.

1. HORIZONTAL AIM

A. To adjust the Spotlights or Turnsignals right or left gently rotate the lamp into the correct position. In the event that the lamps become loose, refer to the procedure for vertical adjustment.

2. VERTICAL AIM

- A.** Disconnect wire connections inside the Headlight Shell.
- B.** Pull the wires out of the Light Bar tube.
- C.** Turn the Turnsignal to provide access to the mounting screws.
- D.** Unscrew the Turnsignal mounting screws and remove the Turnsignal (Hex Key).
- E.** Push the Spotlight wire up into the Spotlight Shell.
- F.** Loosen the nut on the Spotlight stud (Deep Socket).
- G.** Now, adjust the Spotlight. Reconnect the spotlight wire and illuminate to verify its projection.
- H.** Push wire into the Spotlight Shell.
- I.** Firmly retighten the nut on the Spotlight stud.
- J.** Pull the wire out of the Spotlight Shell.
- K.** Reassemble in reverse order of disassembly.
- L.** Adjust the Spotlights and Turnsignals horizontally by rotating into position.
- M.** Verify operation of the lights.

REPLACEMENT PARTS and ACCESSORIES

Order parts through your local dealer or contact National Cycle.

Description	N935 Part No.	N935E Part No.
Light Head Assembly	90-910501-000	90-910501-000
Lamp Assembly E13/DOT Reflector, Lens and Bulb	90-901011-000	90-901011-000
Turn Signal Assembly	90-930921-000	90-930921-000
Turn Signal Lens	90-930213-000	90-930213-000

Turn Signal Bulb Only: Bulb 1157 Available at Most Auto Parts Stores.

Light Bar Accessories

Chrome Visor	N9005
Alternate Thumb Switch	N9001

MAINTENANCE AND CARE

The high quality chrome finish of your National Cycle light bar can be maintained with any quality chrome cleaner and /or polish.

Replacement lamps for the spotlights and replacement bulbs for the turn signals can be found at motorcycle dealer and motorcycle accessory dealers world-wide, particularly dealers specializing in Harley-Davidson® motorcycles or by contacting National Cycle.



XLH1200 C

Accessories

Pictured are:

- N2220** Custom Heavy Duty™ windshield (made from Lexan® FMR hardcoated polycarbonate)
- N741** Billet Windshield Trim Kit
- N1320** Holdster™ windshield bag
- N935** Light Bar
- N9005** Light Bar Visors
- N1100** Cruiseline Hard Saddlebags with mount
- Kit SB403**