

SERVICE BULLETIN

M-1022

February 14, 1992



NEW HEADLAMP ASSEMBLY AND WIRING HARNESS CONNECTOR

This Service Bulletin is being issued to inform dealers about a new halogen headlamp assembly (H-D Part No. 67698-81C), which was introduced into production in January 1992 as a running change on the following 1992 models:

- all XLH Sportster.
- all FXD Dyna Glide.
- all FXR except FXRT.
- FXSTC and FXSTS.

See Figure 1. You may identify the new headlamp assembly by the "NAL" logo (1) molded into the bottom of the headlamp lens (2).

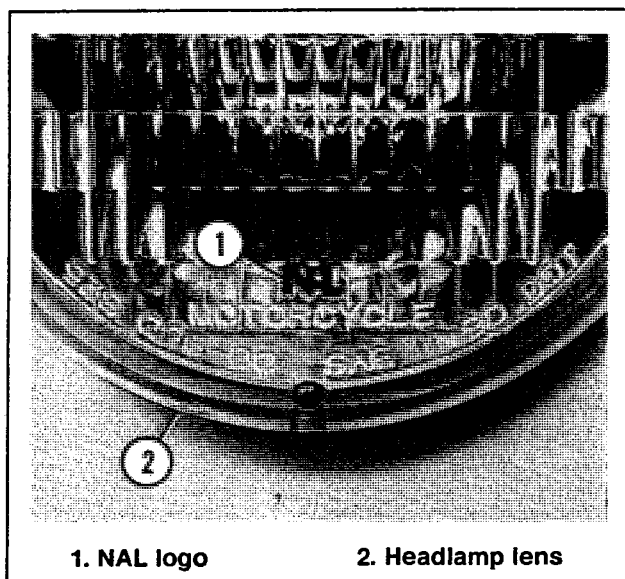


Figure 1. Identification of NAL Headlamp Assembly

See Figure 2. The new NAL headlamp assembly (1) uses the same replaceable H-4 halogen element (bulb) (2) that was used on the previous headlamp assembly (H-D Part No. 67698-81B, made in France by Auteroche). However, due to the different design of the NAL headlamp lens, a revised headlamp alignment procedure is required in order to conform with all applicable federal and state standards of conspicuity and luminosity. See NAL HEADLAMP ALIGNMENT in this Service Bulletin.

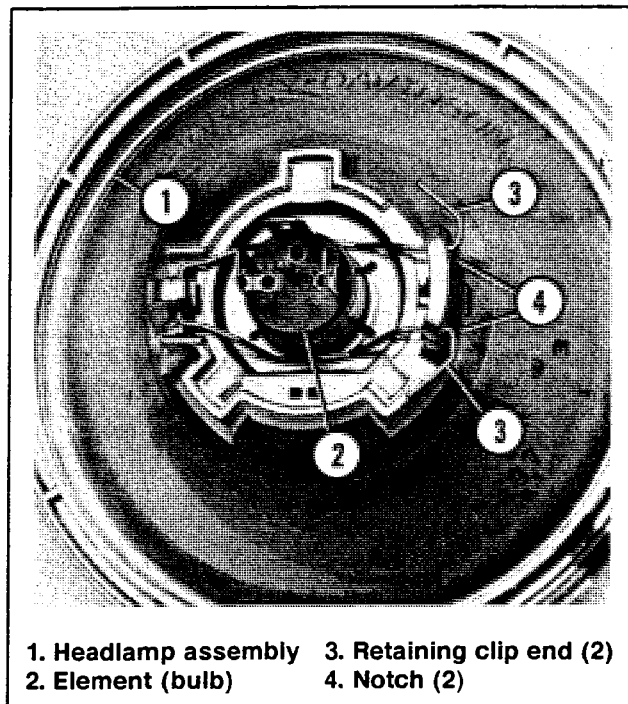


Figure 2. NAL Headlamp Element (Bulb)

See Figure 3. In addition to the new headlamp assembly (1), a new headlamp wiring harness connector (2), with locking terminals, was introduced into production in January 1992 as a running change on the following 1992 models:

- all XLH Sportster.
- all FXR except FXLR and FXRT.

You may identify the new locking connector (2) by lock release tabs (3) on the connector's right and left sides. When disconnecting the connector from the headlamp terminals, firmly depress both lock release tabs; this will release the locking mechanism of the connector's right and left terminals from the headlamp's right and left terminals (note that the center terminal does not have the locking feature). While holding down both lock release tabs, carefully pull connector from headlamp terminals. See NAL HEADLAMP ELEMENT REMOVAL/ INSTALLATION in this Service Bulletin.

ROUTING	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	LEAD TECHNICIAN	TECHNICIAN NO. 1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	TECHNICIAN NO. 4	RETURN THIS TO
INITIAL HERE									

1992 Harley-Davidson®, Inc.

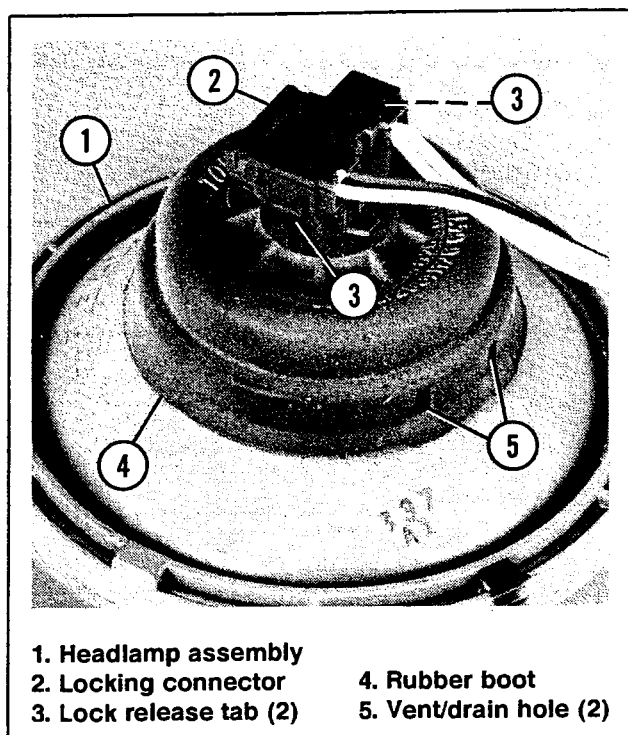


Figure 3. NAL Headlamp with Locking Wiring Harness Connector

NAL HEADLAMP ALIGNMENT

Whenever required, perform the following headlamp alignment procedure **only** on those motorcycles equipped with the new NAL headlamp. Continue to use the original Service Manual alignment procedure on motorcycles equipped with any other headlamp.

1. Verify correct front and rear tire inflation pressure.
2. See Figure 4. Place motorcycle on level floor (or pavement) in an area with minimum light.

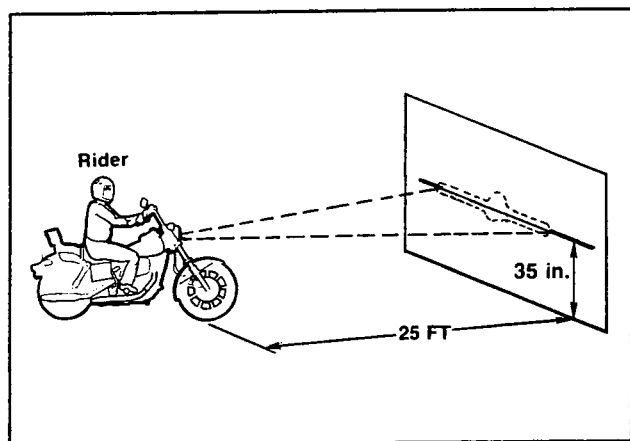


Figure 4. Revised NAL Headlamp Alignment

3. Point front of motorcycle toward a screen or wall which is 25 feet away from front tire contact patch on floor (i.e. -- directly below front axle).
4. Draw a horizontal line, on screen or wall, which is 35 inches above floor.

5. Have a person, whose weight is roughly the same as that of the principal rider, sit on motorcycle seat. Weight of rider will compress vehicle suspension slightly.
6. Stand motorcycle upright with both tires resting on floor and with front wheel held in straight alignment (directly forward).
7. Turn ignition/light switch to "LIGHTS" or "IGNITION" position. Set handlebar switch to high-beam position.
8. Check light beam for proper height alignment. Main beam of light (broad, flat pattern of light) should be centered on horizontal line of screen or wall (i.e. - equal area of light above and below line).
9. Check light beam for proper lateral alignment. Main beam of light should be directed straight ahead (i.e. - equal area of light to right and left of center).
10. Make adjustments to headlamp alignment as required.

NAL HEADLAMP ELEMENT REMOVAL/ INSTALLATION

1. Remove headlamp assembly from its housing, as described in appropriate Service Manual.
2. For NAL headlamp models **with** locking wiring harness connector (2) (i.e. - all XLH Sportster, and all FXR except FXLR and FXRT), see Figure 3. Firmly depress lock release tabs (3) on left and right sides of connector. While holding both lock release tabs down, carefully pull connector from headlamp terminals.
- For NAL headlamp models **without** locking wiring harness connector (i.e. - FXLR, FXRT, FXSTC, FXSTS, and all FXD Dyna Glide), carefully pull connector from headlamp terminals.
3. See Figure 3. Remove rubber boot (4) from back of headlamp assembly (1).
4. See Figure 2. Depress wire retaining clip ends (3) to unhook them from notches (4) in headlamp assembly (1).

CAUTION

Do not touch glass bulb portion of headlamp element with bare hands. Oil from your skin deposited on the halogen glass bulb will create temperature variances in the glass during normal lamp operation; this can cause the bulb to fracture. When removing or installing any halogen element, touch only the terminal side or metal base of the element. Keep glass bulb portion of element clean and free of any foreign material.

5. Pivot wire retaining clip away from element (2). Remove element from headlamp assembly.
6. Installation is the reverse order of removal. See Figure 3. Rubber boot (4) must be installed with vent/drain holes (5) positioned to the bottom.
7. Check headlamp alignment according to NAL HEADLAMP ALIGNMENT procedure in this Service Bulletin.