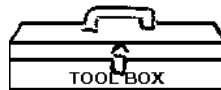


PARTS LIST

Description	Part No.	Qty.
Light Bar Assembly,	N946	1

Bag # 868

Scotchlok U-Connectors	80-850002-000	9
Screw, M8 x 16	51-516415-000	2



- #2 Phillips Screwdriver
- 6mm Hex Key
- 5mm Hex Key
- Slip Joint Pliers
- Scissors, not shown



NOTE: Right and Left on the motorcycle are determined from the rider's position.

PREPARATION

1. Make certain the motorcycle is securely positioned for this installation. Cover the front fender with a protective cloth to avoid scratches.

2. Remove stock trim from turn signal bar. (**#2 Phillips Screwdriver**) **Figure 1**

3. Remove the two upper and two lower screws holding headlight. (**#2 Phillips Screwdriver**) **Figure 2**

4. Lift headlight from housing and set assembly on a protective surface between bars. **Figure 3**

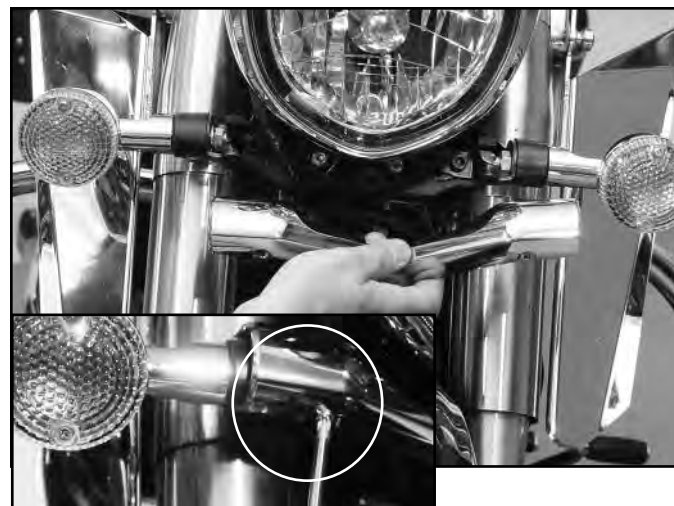


Figure 1

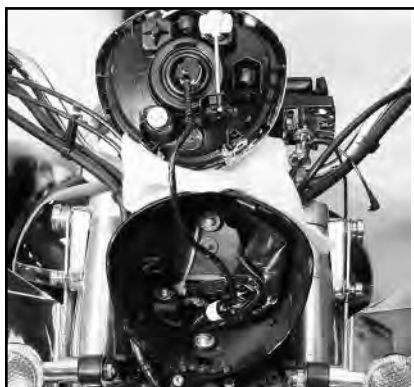


Figure 3



Figure 2



PREPARATION CONTINUED

- 5. Disconnect the **Right (Black)** and **Left (Grey)** turn signal connectors. **Figure 4**
- 6. Pull turn signal wires through back of headlight.
- 7. Remove the Screws that hold the turn signal bar to the bike. **(6mm Hex Key) Figure 5**
- 8. Remove turn signals. Turn signal components will not be re-used.



Figure 4

INSTALLATION

- 1. Use the M8 x 16 Screws from Bag #868 to install the Light Bar assembly. **(5mm Hex Key.) Figure 6**
- 2. Route the Light Bar Wires to the back and into headlight shell.

WIRING THE LIGHT BAR: HELPFUL TIPS

- A.** Keep the **Right** and **Left** wires of the Light Bar in separate groups.
- B.** The Turn Signal wires bundled in **Grey** Connector are for **Left** side operation and the wires bundled in **Black** Connector are for **Right** side operation.
- 3. Cut back enough insulation to expose the Light Green Wire from Headlight. **(Scissors)**
- 4. Use the U Connectors from Bag #868 to attach wires as recommended in the Wiring Chat below. Do one at a time and check for correct operation. **(Connectors and Pliers) Figure 7**

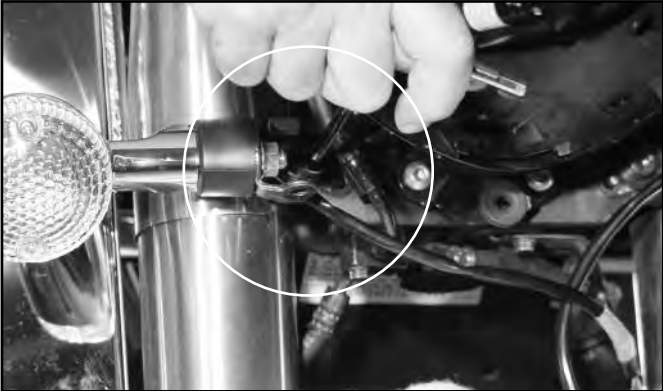


Figure 5



Figure 6

WIRING CHART		
LIGHT BAR MAIN SPOT		MOTORCYCLE
2 BLUE WIRES	SCOTCHLOK TO	ONE LIGHT GREEN IN HEADLIGHT
RIGHT LIGHT BAR TURN SIGNAL		MOTORCYCLE
BLACK		BLACK
BLUE		BLUE
PURPLE		DARK GREEN
LEFT LIGHT BAR TURN SIGNAL		MOTORCYCLE
BLACK		BLACK
BLUE		BLUE
PURPLE		BROWN

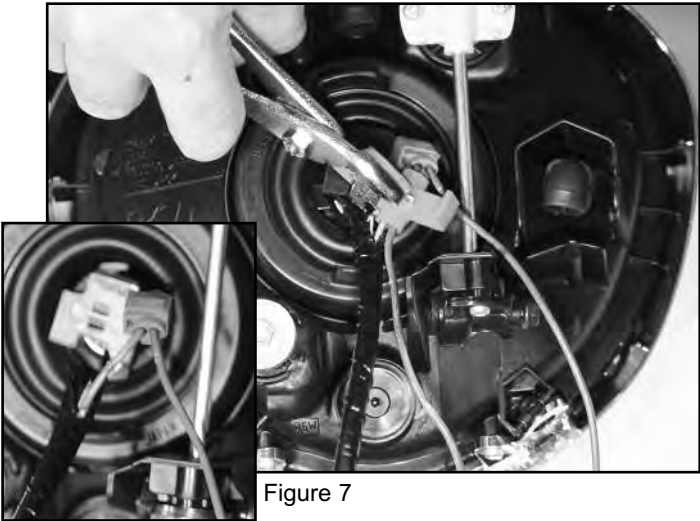


Figure 7

INSTALLATION CONTINUED

5. Test lights. Re-install headlight.

6. Verify proper operation of all lights before riding.

WARNING

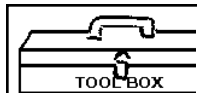
After wiring the light bar, check for clearance. Make sure the wires do not get pinched when the fork is turned to a full fork lock left and right.

Check all lights for proper operation.

Check the tightness of all fasteners that have been involved in this installation.

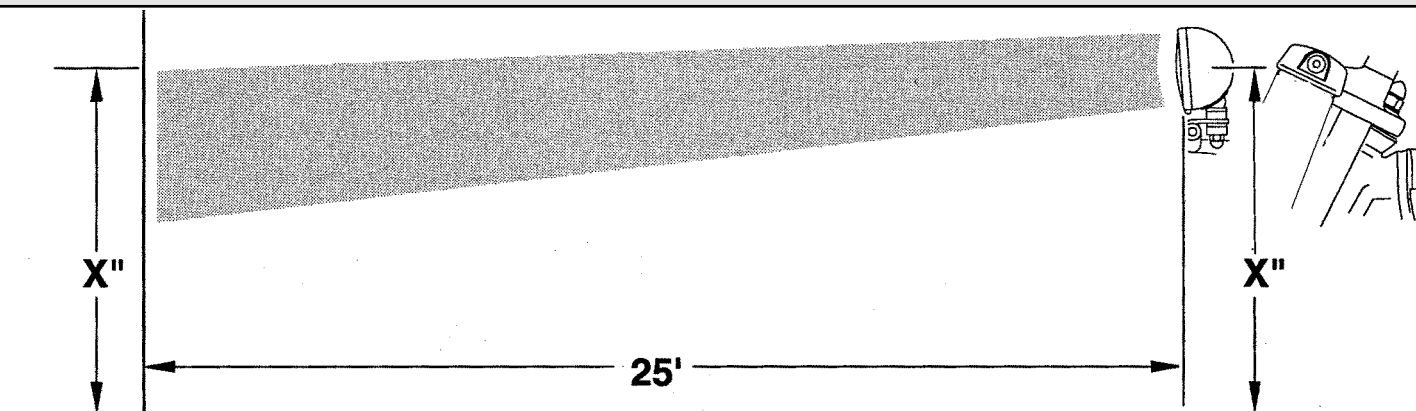
MAINTENANCE

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



To adjust vertical aim you will need these additional tools: 11/16" Open End Wrench

ADJUSTMENT



NOTE: check vertical aim of the lamps. They should aim approximately 5° downward.

1. HORIZONTAL AIM

A. To adjust the Spotlights or Turn signals 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. Loosen the nut on the Spotlight stud, adjust the Spotlights by rotating into position, tighten firmly. **(11/16" Wrench)**

REPLACEMENT PARTS and ACCESSORIES

Order parts through your local dealer or contact National Cycle.

Description	Part No.
Light Head Assembly 35W, ECE, SAE	90-910505-000

Turn Signal Assembly	90-930932-000
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Light Bar Accessories

Chrome Visor	N9005
Alternate Thumb Switch	N9001

Installing optional N9005 Light Head Visor.

1. Loosen the rim of the light head assembly. **(Phillips Screwdriver)**.
2. Slip tabs of Visor under rim. **(Item E)**.
3. Shape Visor/Visor Tabs to conform to contours of light head assembly.
4. Retighten rim.

