
PARTS LIST

QTY.	PART NO.	DESCRIPTION
1	N925	Light Bar Assembly
Bag 154		
6	80-850000-000	Scotchlok Connectors
2	49-490521-000	Washer Flat (for VN1600 only)
2	50-571100-000	Screw, M6 x 16 (for VN1600 only)

REPLACEMENT PARTS and ACCESSORIES

Order parts through your local dealer or contact National Cycle.

	N925
Description	Part No.
Light Head Assembly	90-910501-000
Lamp Assembly E13/DOT	
Reflector, Lens and Bulb	90-901011-000
Halogen H3 Bulb	90-901015-000
Turn Signal	
Assembly	90-930921-000
Turn Signal Lens	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


 Left and Right side of motorcycle is determined while sitting on the bike.

PREPARATION VN1500D and VN800B

 Make certain the motorcycle is positioned securely on its sidestand or a work stand. Cover the front fender to avoid scratches due to a dropped part or tool.

- Remove the head lamp from the Headlight Shell (Screwdriver), set aside.
- Disconnect Turnsignal Wires Inside headlight Shell.
- Remove Turnsignals: (Refer to the motorcycle owner's manual)

PREPARATION VN1600

 Make certain the motorcycle is positioned securely on its sidestand or a work stand. Cover the front fender to avoid scratches due to a dropped part or tool.

TOOL LIST VN1500D&E and VN800B Installation

Tools needed to remove fuel tank.

- Screw Driver, #2 Phillips
- Socket 10mm and Ratchet Wrench
- Socket 27mm, 3" Extension and Wrench
- Hex Key Wrench, 5mm
- Slip Joint Pliers
- Floor Jack capable of lifting front of motorcycle.
- Motorcycle Owner's Manual

TOOL LIST VN1600 Installation

- Screw Driver, #2 Phillips
- Screw Driver, Flat Blade
- 8mm Wrench
- Slip Joint Pliers
- Motorcycle Owner's Manual



Special notes and cautionary measures which can prevent damage to the motorcycle.



Tips for facilitation of operation, control and adjustment, as well as maintenance work.

INSTALLATION VN1500D&E and VN800B

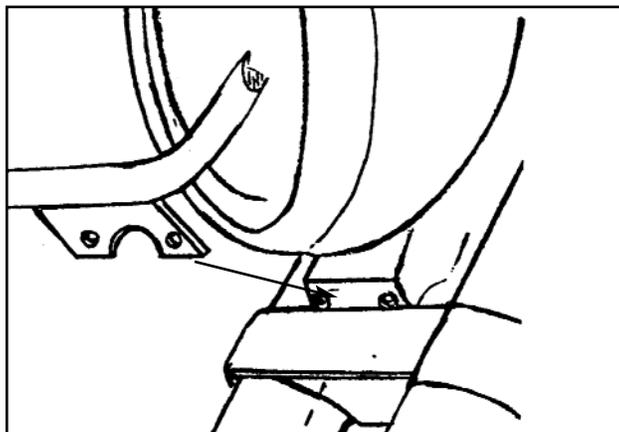
1. Loosen the pinch bolts on the upper Triple Clamp (5mm Hex Key).
2. Remove the bolt at the center of the upper Triple Clamp (27mm Socket).
3. Lift the front of the motorcycle so there is no weight on the front wheel (Floor Jack).
4. Carefully lift the upper Triple Clamp off the fork.
5. Remove the fork covers (Screwdriver).
6. Remove the Turn signals (8mm Wrench & 10mm Socket).
7. Replace the fork covers, fully tightening the holding screws.
8. Reinstall the upper Triple Clamp, tightening the fasteners to manufacturer's specified torque.
9. Lower the Floor Jack, you are done with it now.
10. Verify tightness of the center bolt and pinch bolts on upper Triple Clamp.

Mount the Light Bar Assembly

1. Remove the Headlight Shell mounting screws under the Headlight Shell (8mm Wrench & 10mm Socket).
2. Place the Light Bar Assembly so the center mount bracket is between the lower Triple Clamp and the mounting bracket for the Headlight Shell.

NOTE: Watch for the bushings for the Headlight Shell mounting screws, they will fall out!

3. Replace the Headlight Shell mounting screws and nuts, do not tighten at this time.
4. Make sure the wires coming out of the Light Bar assembly center slot will not be pinched, position the Light Bar to be centered on the Lower Triple Clamp, then tighten the Headlight Shell mounting screws to manufacturer's specified torque.



WIRE THE LIGHT BAR VN1500D&E and VN800B

Wire the Light Bar Assembly

1. Route the Light Bar Assembly wires over the Triple Clamp and into the Headlight Shell.
2. Attach the wires according to the Right and Left Side Instructions Below. (Scotchlok connectors & Slip Joint Pliers)



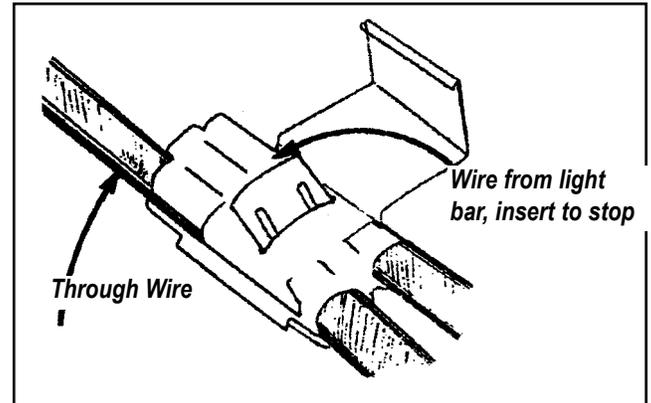
Watch the instruction for the differences in wire color between the VN1500 and VN800.

Right Side of Light Bar

1. **Red wire** from the Light Bar connects to the **Gray wire** in turn signal harness
2. **Black wire** from the Light Bar connects to **Red wire with blue tracer** (VN1500) or **solid blue** (VN800) in turn signal harness.
3. **Blue wire** from the Light Bar connects to:
 - Red wire with yellow tracer** on headlight connector (lo-beam operation)
 - Red wire with black tracer** on headlight connector (Hi-beam operation.)

Left Side of Light Bar

1. **Red wire** from the Light Bar connects to **Green wire** in turn signal harness
2. **Black wire** from the Light Bar connects to **Red wire with blue tracer** (VN1500) or **solid blue** (VN800) in turn signal harness.
3. **Blue wire** from the Light Bar connects to:
 - Red wire with yellow tracer** on headlight connector (lo-beam operation)
 - Red wire with black tracer** on headlight connector (Hi-beam operation)



INSTALLATION - SETUP VN1600

1. Remove the screws from the sides of the headlight shell (**Phillips screwdriver**). Gently pry the headlight ring from the shell- there is a notch for this on the left side of the shell (**flat screwdriver**). Disconnect the plug on the back of the headlight and set the headlight assembly and screws aside for re-use.
2. Unplug the turn signal leads. They are the long, thin wire terminals.
3. Feed the turn signal leads (the ones with the male pin terminals) out of the back of the headlight shell.
4. Remove the turn signal bar from the lower triple clamp (**8mm wrench**). Be careful while pulling the wires out of the fork cover.

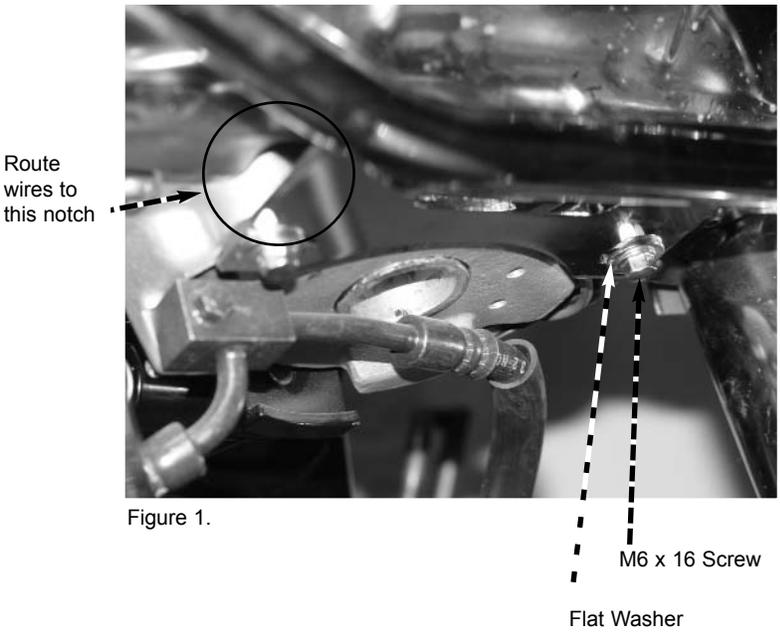


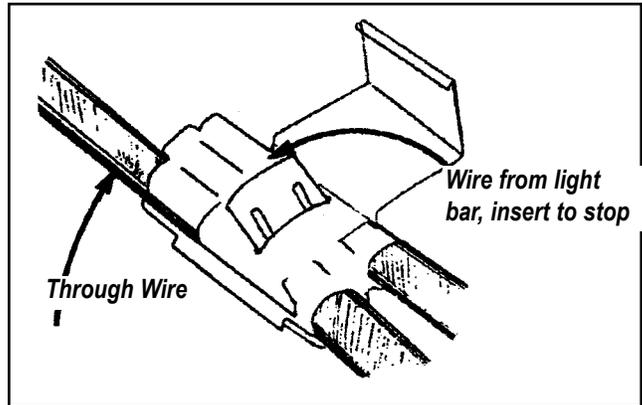
Figure 1.

INSTALLATION - LIGHT BAR for VN1600

1. Using the M6 x 16 Screws provided and the flat washers removed in Setup Step 4 from the Turn Signal Bar, attach the Light Bar to the lower fork crown. Tighten the screws securely **Figure 1**.
2. Route the wires from the light bar in the same location as the turn signal bar.

Wire the Light Bar Assembly for VN1600

1. Route the Light Bar Assembly wires into the Headlight Shell.
2. Attach the wires according to the Right and Left Side Instructions Below. (Scotchlok connectors & Slip Joint Pliers)



Left Side of Light Bar for VN1600

1. **Red wire** from the Light Bar connects to **Green wire** in turn signal harness
2. **Black wire** from the Light Bar connects to **Red wire with blue tracer** in turn signal harness.
3. **Blue wire** from the Light Bar connects to:
 - Red wire with yellow tracer** on headlight connector (**lo-beam operation**)
 - Red wire with black tracer** on headlight connector (**Hi-beam operation**)

Right Side of Light Bar for VN1600

1. **Red wire** from the Light Bar connects to the **Gray wire** in turn signal harness
2. **Black wire** from the Light Bar connects to **Red wire with blue tracer** in turn signal harness.
3. **Blue wire** from the Light Bar connects to:
 - Red wire with yellow tracer** on headlight connector (**lo-beam operation.**)
 - Red wire with black tracer** on headlight connector (**Hi-beam operation.**)

ADJUSTMENT PROCEDURE

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

(In addition to the tools needed for installation)



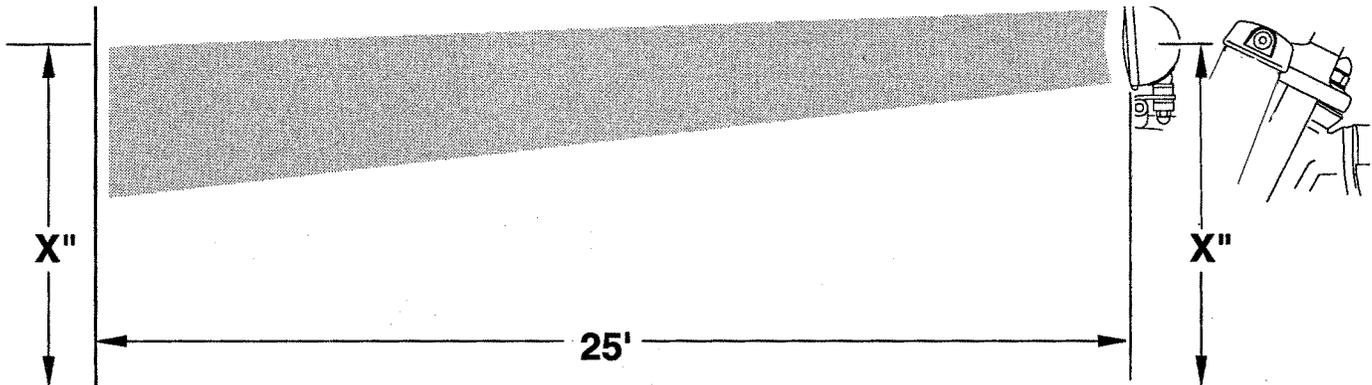
Hex Key, 5/32" or 4mm

Deep Socket and Socket ; 9/16" or 14mm



A slotted 9/16" Socket (SNAP ON part #FRX 181, is one source) will allow adjustment without having to pull wires

- 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.



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 Parts: Refer to page 1.