



## M-17957-L54 F-150 Series "Lightning" Front Fascia INSTALLATION INSTRUCTIONS

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR AGREEMENT AND WRITTEN PERMISSION OF FORD RACING PERFORMANCE PARTS.

Please visit [www.fordracingparts.com](http://www.fordracingparts.com) for the most current instruction information

**!!! PLEASE READ ALL OF THE FOLLOWING INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION.  
AT ANY TIME YOU DO NOT UNDERSTAND THE INSTRUCTIONS, PLEASE CALL THE FORD RACING  
TECHLINE AT 1-800-367-3788 !!!**

### INTRODUCTION:

Ford Racing has developed this fascia kit to provide owners with an opportunity to upgrade their vehicle with a more sporty "Lightning" front fascia appearance.

### OVERVIEW:

This kit will fit 1999-2002 model year F150 trucks. The fascia is easily installed using a minimum of tools. It is recommended that the instructions be read carefully and all tools and materials gathered prior to starting the installation. Painting is required.

### PARTS IN KIT:

Quantity	Part Number	Description
1	1L3V-8A133-ACV	Grill
1	1L3Z-17D957-BB	Front Bumper (Lightning) Cover
2	2C5Z-15200-AA	Fog Lamp Assembly
1	XL3Z-17E856-AA	Upper RH Bumper Cover/Bracket Assembly
1	XL3Z-17E856-AB	Upper LH Bumper Cover/Bracket Assembly
1	1L3Z-17E856-BA	Lower RH Bumper Cover/Bracket Assembly
1	1L3Z-17E857-BA	Lower LH Bumper Cover/Bracket Assembly
1	XL3Z-11654-DAA	Fog Lamp Switch
1	D9ZZ-14526-D	Fuse, 15 AMP, Blue
1	D8ZZ-14526-B	Fuse, 5 AMP, Tan
1	CM-8327-L54	Fascia Support
3	388577-S	Push Pins
1	F5TZ-14N089-B	Relay

Factory Ford shop manuals are available from Helm Publications, 1-800-782-4356



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**FASTENER LIST:**

Quantity	Part Number	Description
6	W704875-S424	Screw, Flange Head (wheel well)
4	N621907-S309	6 mm Nuts (17E586/7 bracket)
4	W500213-S309	Screw, Flange Head (17E856/7 top)
9	N807011-S301	Screw, Flange Head (grill)
9	N623334-S2	Nut, 6 mm x 1 (cover to bumper z bracket)
9	N606689-S363	Screw, Flange Head (cover to bumper z bracket)
2	N802455-S426	Screw, Self Tap 8 mm x 27 (Z bracket)

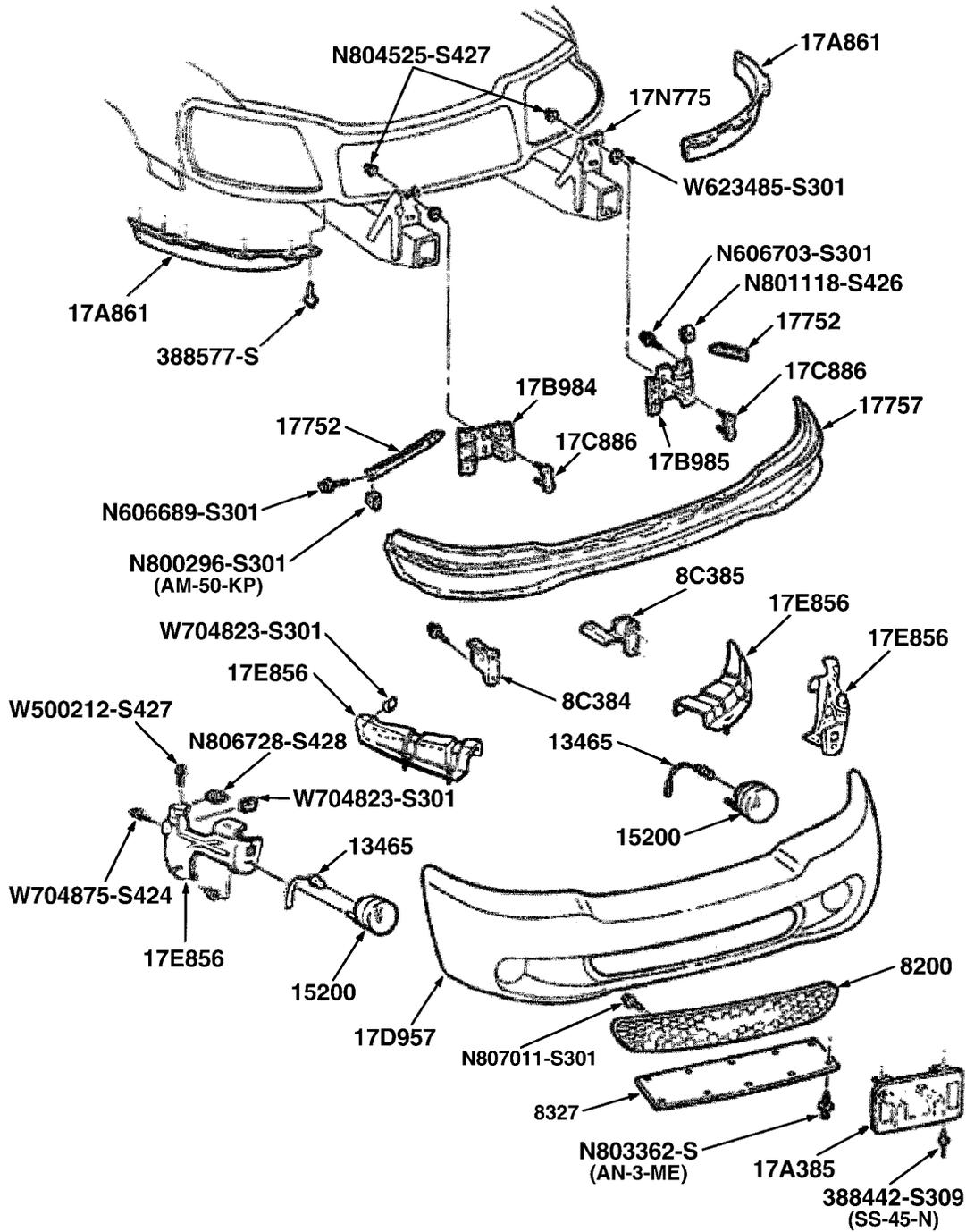
**TOOLS REQUIRED:**

- Floor jack
- 2 jack stands
- 10 mm socket wrench
- 8 mm socket wrench
- 7 mm socket wrench
- Pliers
- Screw driver

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### PAINTING OVERVIEW:

The following directions make reference to painting supplies produced by PPG. Consult an automotive refinishing professional for comparable products if you choose to use products other than those listed.

#### **WARNINGS:**

DO NOT USE POWER SANDERS ON THE bumper cover. The heat generated by the sander can melt the urethane.

**DO NOT USE MINERAL SPIRITS OR LACQUER THINNER ON THE BUMPER COVER. These products can take up to 1 week to completely evaporate and could cause the paint to lift.**

#### **SAFETY:**

- WEAR PROTECTIVE CLOTHING, GLOVES AND EYEWEAR WHILE WORKING.
- WORK ONLY IN PROPERLY VENTILATED AREA.
- READ THE PAINT MANUFACTURER'S DIRECTIONS CAREFULLY PRIOR TO BEGINNING.

THE FOLLOWING DIRECTIONS DO NOT LIST MIXING RATIOS OR DRYING TIMES DUE TO THE VARIABLES INVOLVED. CONSULT THE MANUFACTURER'S SPECIFICATIONS FOR INFORMATION AND PROPER USAGE INSTRUCTIONS.

### SURFACE PREPARATION AND PAINTING INSTRUCTIONS:

- Step 1:** Clean surface with soap and water to remove water soluble residue.
- Step 2:** Clean surface with Acryli-Clean<sup>®</sup> wax and grease remover PPG DX 330\*.
- Step 3:** Lightly scuff with 400-600 grit sandpaper or a gray/white Scotchbrite.
- Step 4:** Clean surface with Acryli-Clean<sup>®</sup> wax and grease remover PPG DX 330\* and then apply a fast evaporating cleaner PPG DX 220\*. Final wipe with PPG DX103 Multi-Prep<sup>™</sup>.
- Step 5:** Post-bake at 150 degrees for thirty minutes.
- Step 6:** Clean surface using gray Scotchbrite<sup>®</sup> with PPG DX 330\* and final wipe with PPG DX 103\*.
- Step 7:** Bake at 150 degrees for thirty minutes.
- Step 8:** Clean surface using gray Scotchbrite<sup>®</sup> with PPG DX 330\* and final wipe with PPG DX 103\*.

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- Step 9:** Apply Universal Plastics Adhesion Promoter PPG DPX801\*.
- Step 10:** Clean surface with Acryli-Clean<sup>®</sup> wax and grease remover PPG DX 330\*.
- Step 11:** Lightly sand the surface with 220 grit sand paper.
- Step 12:** Clean surface with Acryli-Clean<sup>®</sup> wax and grease remover PPG DX 330\* and then apply a fast evaporating cleaner PPG DX 220\*. Final wipe with PPG DX103 Multi-Prep<sup>™</sup>.
- Step 13:** Apply tinted sealer PPG K-93\*.  $\frac{K-93}{4}$   $\frac{DCC}{2}$   $\frac{DT}{2}$   $\frac{DCX8}{1}$ , one wet coat.
- Step 14:** Apply top coat PPG DCC4861F\* with flex agent.  $\frac{DCC}{4}$   $\frac{DT}{2}$   $\frac{DCX6}{1}$  10% DX 814\*. Three wet coats.
- Step 15:** Bake at 140 degrees for one hour.
- Step 16:** Polish to desired finish.

\* THESE ITEMS ARE PART OF A PPG PAINT SYSTEM THAT HAS BEEN SPECIALLY FORMULATED TO HAVE CERTAIN CHEMICAL PROPERTIES. IN ORDER FOR THEM TO ACHIEVE THOSE PROPERTIES IT IS IMPORTANT THAT THE MANUFACTURER'S SPECIFICATIONS BE FOLLOWED EXACTLY. (I.E. MIXTURES, APPLICATIONS, AND DRYING TIME.)

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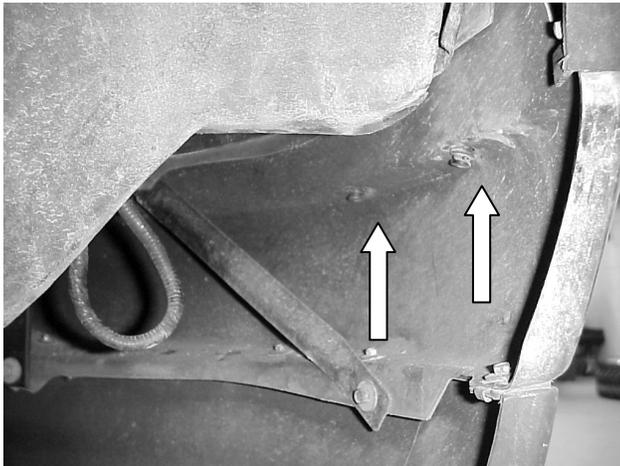
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### INSTALLATION INSTRUCTIONS:

- STEP 1:** Disconnect battery.
- STEP 2:** Raise front of vehicle and support with jack stands.

**!!! Caution: Be sure to support the vehicle properly to avoid personal hazards !!!**

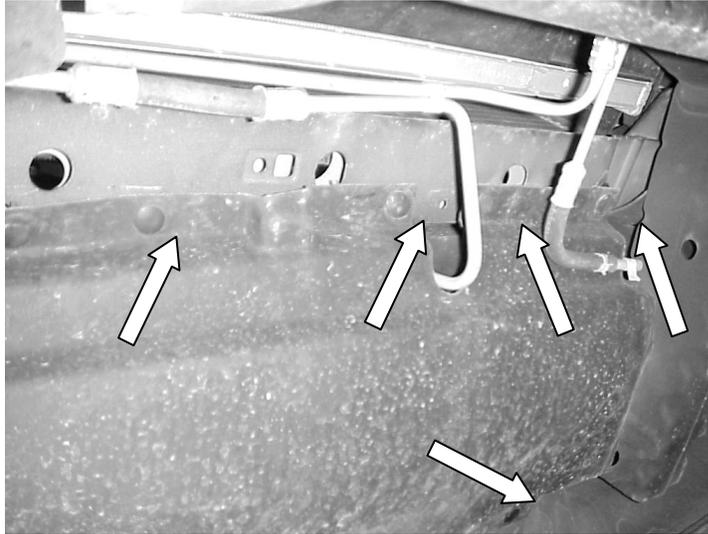
- STEP 3:** Remove front tires for better accessibility.
- STEP 4:** Remove upper portion of bumper by removing push pins from under bumper using pliers.



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**STEP 5:** Remove flexible splash shield by removing push pins under bumper. Do not damage splash shield because it will be needed for reinstallation.



**STEP 6:** Remove lower fascia by removing twelve (12) bolts holding the fascia to the bumper.

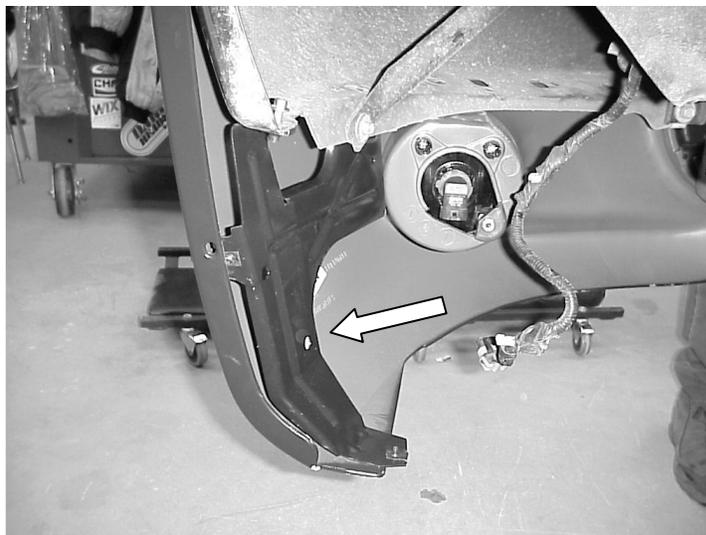


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**STEP 7:** Install right and left side upper bumper cover brackets with four (4) 6 mm fasteners as shown below.



**STEP 8:** Install left and right lower bumper brackets with the fasteners supplied as shown in the figure below.





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**STEP 9:** Install fog lamps in front fascia with six (6) screws supplied. Connect vehicle wire harness onto lamp.

**STEP 10:** Place fascia over bumper.



Check that the mounting tabs are over the bumper as shown below.



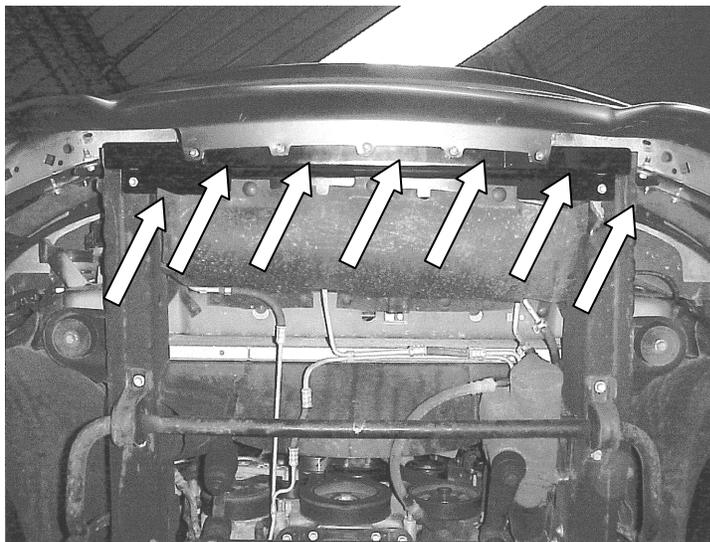
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**STEP 11:** Using the four (4) 8 mm fasteners with a washer, bolt the fascia to the bumper as shown in the figure below.



**STEP 12:** Attach fascia support to lower fascia with supplied fasteners as shown in the figure below.



Reinstall the original flexible splash shield using the push pins supplied.

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- STEP 13:** Locate the fog lamp harness connection ends taped above the lower radiator support and on each side directly above the fog lamps. Remove the tape holding them in position, pull them down and connect to each fog lamp.

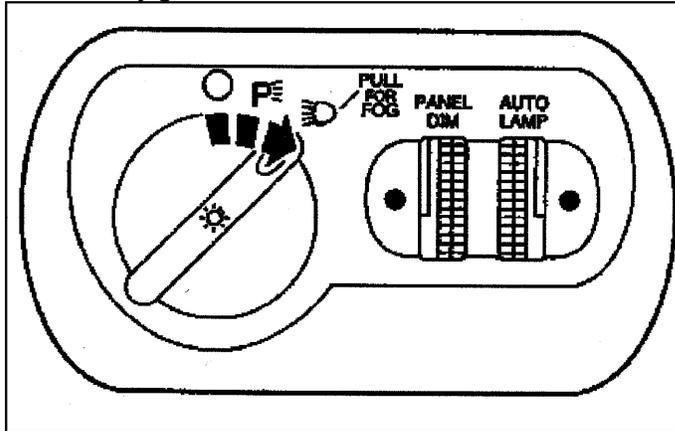


- STEP 14:** Reinstall wheel.
- STEP 15:** Remove jack stands and lower vehicle.

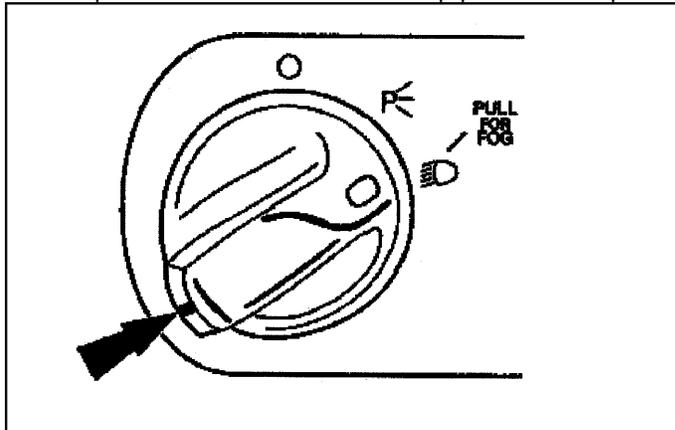
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**STEP 16:** Replace the headlamp switch with the cluster assembly with provision for fog lamps provided. Use the following eight step procedure for switch removal.

1. Disconnect the battery ground cable.



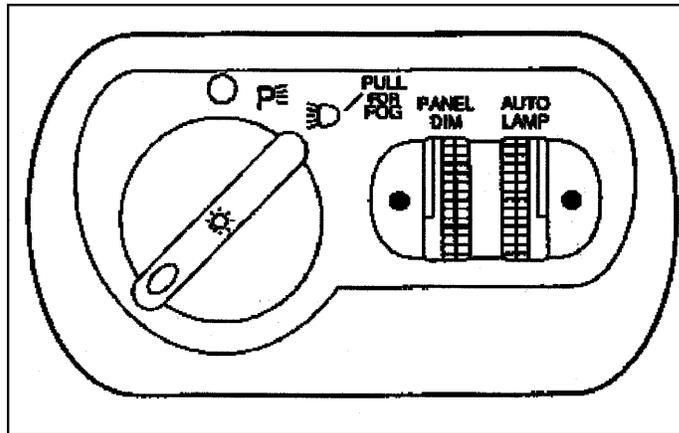
2. Turn the headlamp switch knob to the headlamp position and pull the knob



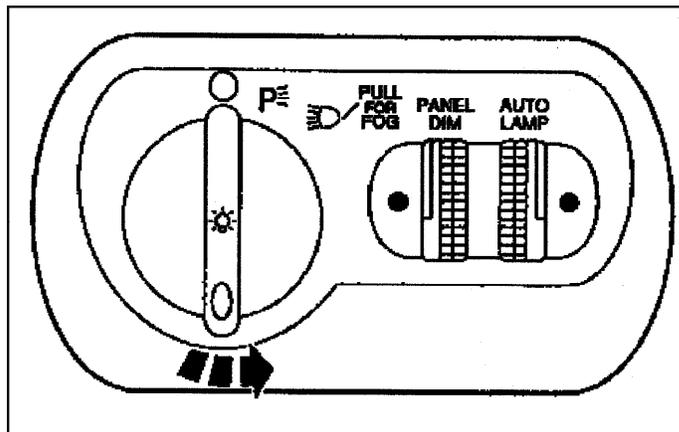
3. Insert a thin tool (small flat blade screwdriver) to release the headlamp switch knob and remove.

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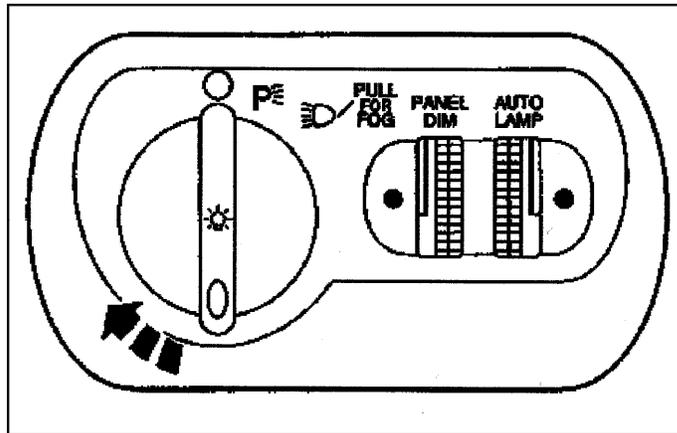


4. Turn the headlamp switch knob 180 degrees and install (switch is now on upside down).

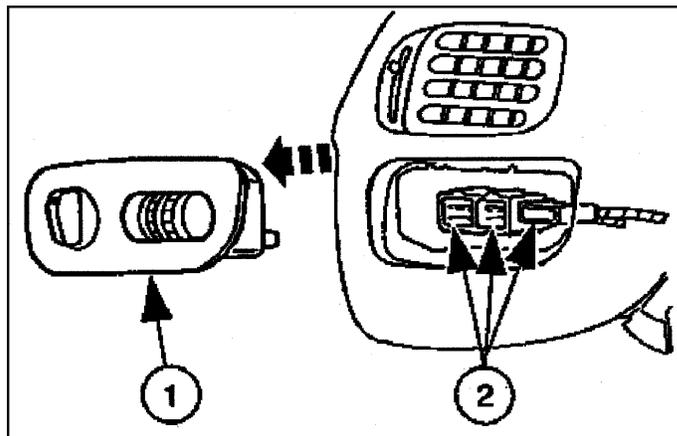


5. Turn counterclockwise until the back of the headlamp switch knob is in the OFF position.

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6. Turn the headlamp switch knob fully clockwise until back of switch is pointing to ON.



7. Remove the headlamp switch.
  - A. Pull the headlamp switch from the instrument panel.
  - B. Disconnect the electrical connectors.
8. Install new switch from parts supplied. Plug in connectors first, then insert switch in dash.

**Note:** When the battery is disconnected and reconnected, some abnormal drive symptoms may occur while the vehicle relearns its adaptive strategy. The vehicle may need to be driven 10 miles or more to relearn the strategy.



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- STEP 17:** Inspect location 206 in the power distribution box located under the hood and above the left wheel well. If not equipped with a small relay, install the included relay (see parts list). Also inspect location 9 and install a 15 amp fuse (see parts list). Inspect location 27 in the passenger compartment fuse panel located below and to the left of the steering wheel and install a 5 amp fuse (see parts list).
- STEP 18:** Connect battery.
- STEP 19:** Turn on the fog lamps to confirm proper operation.

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