

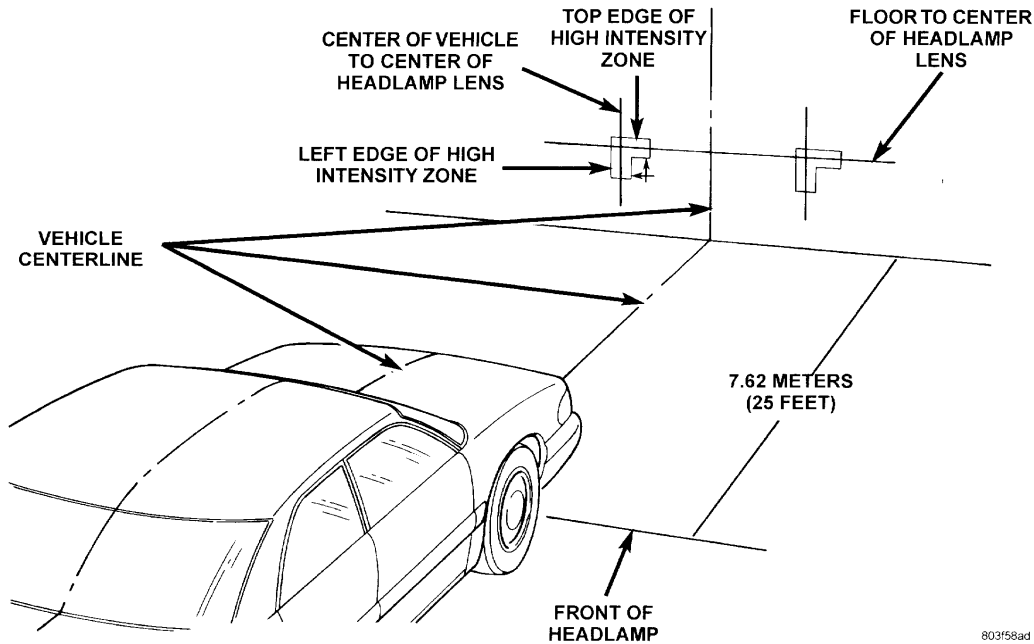
# Component Procedures: Headlamp

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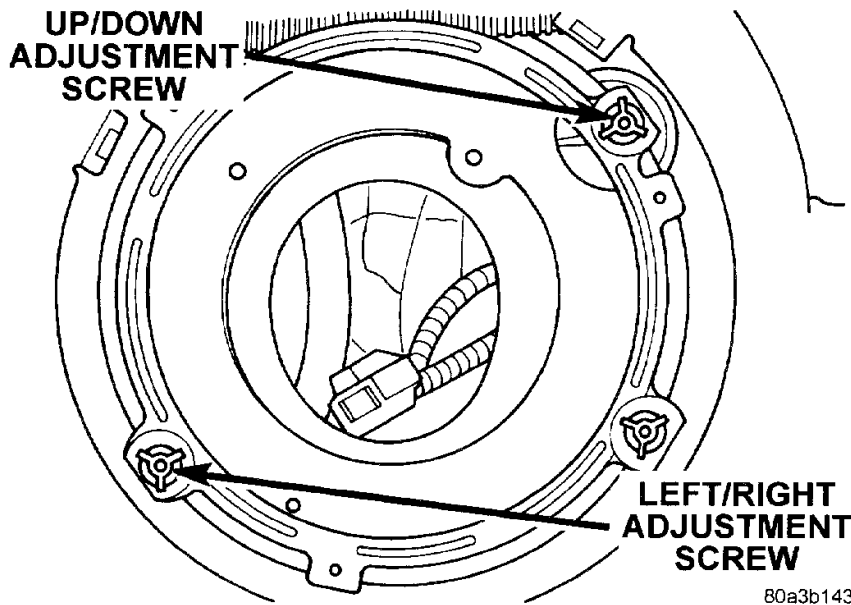
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# Component Procedures: Headlamp

## Adjustments (itype\_5)



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## Parts and Labor (itype\_189)

### Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Align	Four	C	0.6	0.0
Align	Two	C	0.4	0.0
Replace	One Side	B	0.4	0.2

## Components (itype\_389)

### CAUTION

: Do not use bulbs that have a higher candle power than the bulb listed. Damage to lamp can result. Do not touch halogen bulbs with fingers or other oily surfaces. Bulb life will be reduced.

Headlamp

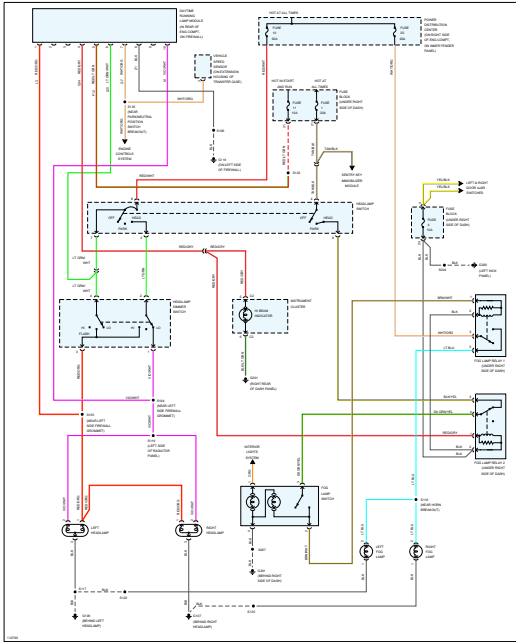
/Sealed Beam = H6024

## Headlights - W/ DRL (Article 11891)

Headlights - W/ DRL

Interactive Color (Non OE) diagrams for model years 2001 and older use a universal ground location diagram. Click here for the diagram.

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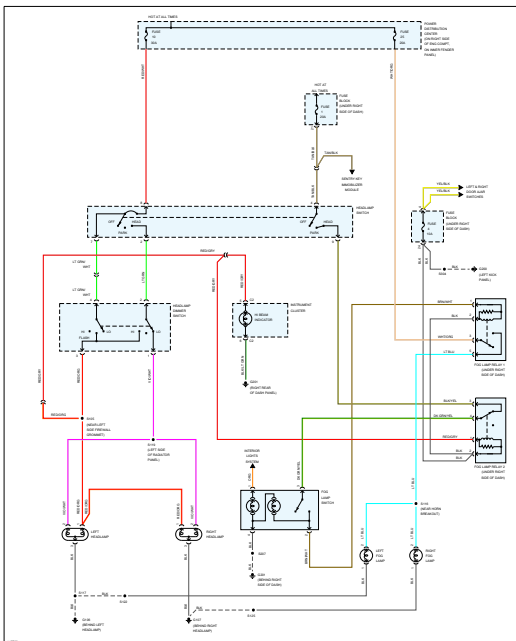


## Headlights - W/O DRL (Article 11909)

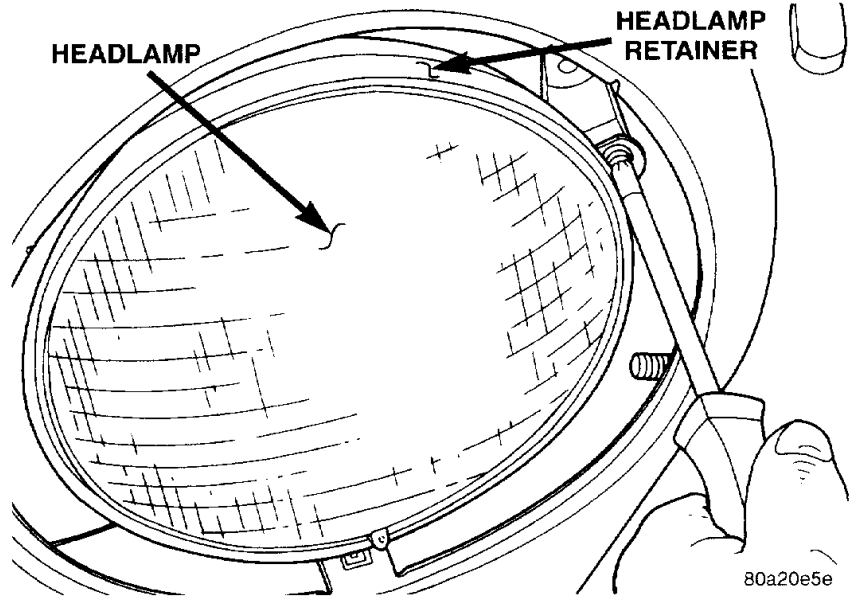
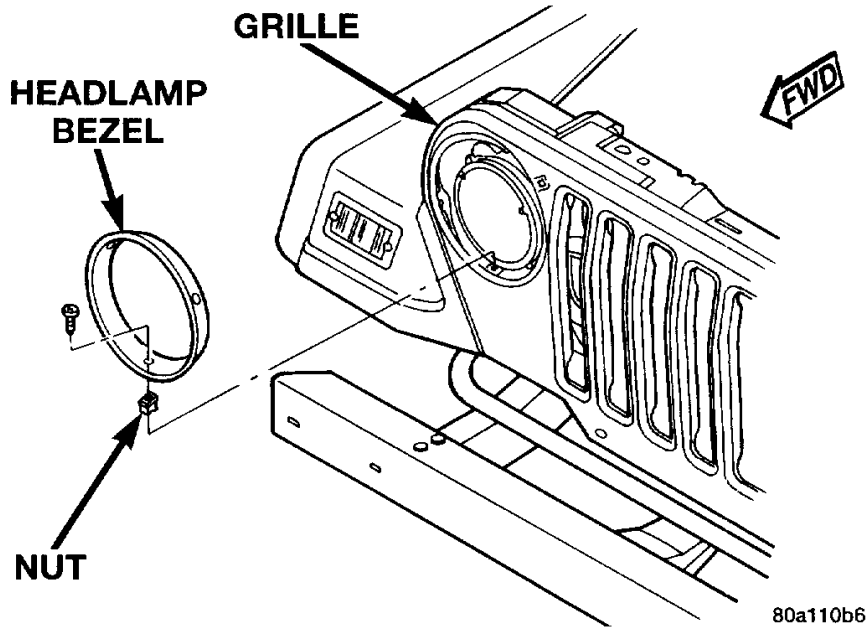
Headlights - W/O DRL

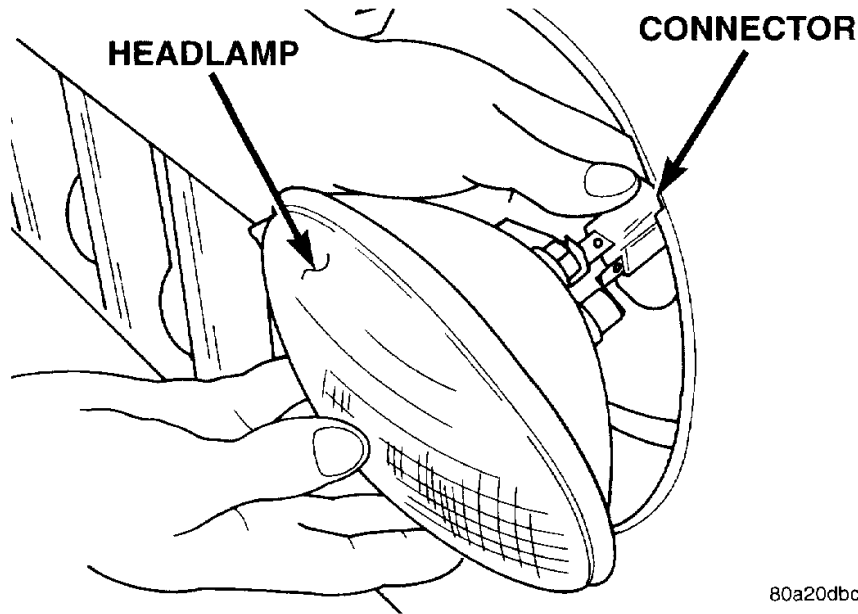
Interactive Color (Non OE) diagrams for model years 2001 and older use a universal ground location diagram. Click here for the diagram.

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## Procedures (itype\_376)





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## All Technical Service Bulletins (itype\_100)

Tsbs

- Lighting - Exterior Lamp Condensation and Fogging (08-091-14, 2014/10/24)

## Customer Interest Bulletins (itype\_109)

Tsbs

- Lighting - Exterior Lamp Condensation and Fogging (08-091-14, 2014/10/24)

## Component Tests and General Diagnostics (itype\_383)

CONDITION	POSSIBLE CAUSES	CORRECTION
HEADLAMPS ARE DIM WITH ENGINE IDLING OR IGNITION TURNED OFF	<ol style="list-style-type: none"> <li>1. Loose or corroded battery cables.</li> <li>2. Loose or worn generator drive belt.</li> <li>3. Charging system output too low.</li> <li>4. Battery has insufficient charge.</li> <li>5. Battery is sulfated or shorted.</li> <li>6. Poor lighting circuit Z1-ground.</li> <li>7. Both headlamp bulbs defective.</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean and secure battery cable clamps and posts.</li> <li>2. Adjust or replace generator drive belt.</li> <li>3. Test and repair charging system.</li> <li>4. Test battery state-of-charge.</li> <li>5. Load test battery.</li> <li>6. Test for voltage drop across Z1-ground locations.</li> <li>7. Replace both headlamp bulbs.</li> </ol>
HEADLAMP BULBS BURN OUT FREQUENTLY	<ol style="list-style-type: none"> <li>1. Charging system output too high.</li> <li>2. Loose or corroded terminals or splices in circuit.</li> </ol>	<ol style="list-style-type: none"> <li>1. Test and repair charging system.</li> <li>2. Inspect and repair all connectors and splices.</li> </ol>
HEADLAMPS ARE DIM WITH ENGINE RUNNING ABOVE IDLE*	<ol style="list-style-type: none"> <li>1. Charging system output too low.</li> <li>2. Poor lighting circuit Z1-ground.</li> <li>3. High resistance in headlamp circuit.</li> <li>4. Both headlamp bulbs defective.</li> </ol>	<ol style="list-style-type: none"> <li>1. Test and repair charging system.</li> <li>2. Test for voltage drop across Z1-ground locations.</li> <li>3. Test amperage draw of headlamp circuit.</li> <li>4. Replace both headlamp bulbs.</li> </ol>
HEADLAMPS FLASH RANDOMLY	<ol style="list-style-type: none"> <li>1. Poor lighting circuit Z1-ground.</li> <li>2. High resistance in headlamp circuit.</li> <li>3. Faulty headlamps switch circuit breaker.</li> <li>4. Loose or corroded terminals or splices in circuit.</li> </ol>	<ol style="list-style-type: none"> <li>1. Test for voltage drop across Z1-ground locations.</li> <li>2. Test amperage draw of headlamp circuit. Should not exceed 30 amps.</li> <li>3. Replace headlamp switch.</li> <li>4. Inspect and repair all connectors and splices.</li> </ol>
HEADLAMPS DO NOT ILLUMINATE	<ol style="list-style-type: none"> <li>1. No voltage to headlamps.</li> <li>2. No Z1-ground at headlamps.</li> <li>3. Faulty headlamp switch.</li> <li>4. Faulty headlamp dimmer (multi-function) switch.</li> <li>5. Broken connector terminal or wire splice in headlamp circuit.</li> <li>6. Both headlamp bulbs defective.</li> </ol>	<ol style="list-style-type: none"> <li>1. Repair open headlamp circuit.</li> <li>2. Repair circuit ground.</li> <li>3. Replace headlamp switch.</li> <li>4. Replace multi-function switch.</li> <li>5. Repair connector terminal or wire splice.</li> <li>6. Replace both headlamp bulbs.</li> </ol>

\*Canada vehicles must have lamps ON.

## Electrical / Mechanical Repair (itype\_413)

