





## WARRANTY:



**NOTE: Headlamps with the following conditions should not be replaced under warranty:**

- Headlamps with no visible condensation.
- No drip marks/streaks in the finely condensed film on the interior side of the clear plastic lens. [Refer to Attachment 4.](#)
- No visible water droplets in the thin mist. [Refer to Attachment 5.](#)
- The fine mist does not obstruct the view of the interior of the lamp. [Refer to Attachment 6.](#)
- Condensation covers less than 50% of the interior side of the lens. [Refer to Attachment 7.](#)

DDW requires the use of causal part numbers. Labor only claims must show the causal part number with a quantity of zero.

Description	SRO	Time (Hours)	Condition Code	Causal Part
Remove and replace each headlamp assembly	86.40.49	0.10	L29	Use Headlamp part number
Install Silica Gel in one headlamp	86.40.89/42	0.10	L29	Use Headlamp part number
Install Silica Gel in two headlamps	86.40.89/43	0.20	L29	Use Headlamp part number

*Normal warranty policy and procedures apply.  
Material allowance is included in labor operation.*

## REPAIR PROCEDURE

### INSPECT FOR WATER CONTAMINATION AND REPAIR



**NOTE: If after the 30 minute operation time considerable water droplets still remain on the inside of the headlamp glass (refer to attachment illustrations), the lamp should be replaced. If there is evidence of standing water within the headlamp unit, the unit will also need to be replaced.**

1. Inspect headlamps for warrantable repair conditions after 30 minutes of operation on low beam:
  - Large apparent visible droplets of water on the interior side of the clear plastic lens. [Refer to Attachment 1.](#)
  - Drip marks/streaks in the film of condensation on the interior side of the clear plastic lens. [Refer to Attachment 2.](#)
  - Thick mist covering a majority of the interior side of the clear plastic lens. The thick mist also obstructs the view of the interior of the lamp. [Refer to Attachment 3.](#)
  - Puddles/pools of water in the interior of the headlamp.
2. If a headlamp unit meets the above conditions, replace the headlamp with a new unit.

## SILICA GEL PACK REQUIRED TO IMPROVE 'NON-WARRANTABLE' CONDITIONS

**NOTE:** Headlamps with the following conditions should not be replaced under warranty but the silica gel packets **MUST** be installed:

- Headlamps with no visible condensation.
- No drip marks/streaks in the finely condensed film on the interior side of the clear plastic lens. [Refer to Attachment 4.](#)
- No visible water droplets in the thin mist. [Refer to Attachment 5.](#)
- The fine mist does not obstruct the view of the interior of the lamp. [Refer to Attachment 6.](#)
- Condensation covers less than 50% of the interior side of the lens. [Refer to Attachment 7.](#)

1. Verify that the lamp meets the "non-warrantable" conditions in Attachments 4 through 7.
2. Remove the affected lamp from the vehicle.

**CAUTION:** The work surface must be protected with a soft covering to prevent scratches or damage to the headlamp lens.

3. Place face down on a flat protected surface.
4. Rotate the lower side lamp bulb cover counter clockwise and remove to expose the void in the back of the lamp assembly. (Figure 1 and Figure 2)
5. 'Scrunch up' the Silica Gel packet. (Figure 3)
6. Insert the packet into the void ensuring it is pushed fully forward and that it does not obscure the bulb holder. Push firmly in place. (Figure 4)

**CAUTION:** Incorrect replacement of bulb-covers can lead to condensation forming. Ensure bulb-covers are correctly installed. If a loose cover is determined to be the cause of the condensation, measures should be taken to dry out the lamps and to ensure that the bulb-covers are installed correctly. Condensation levels should be monitored to allow natural dissipation of the condensation.

7. Install the side lamp bulb cover as follows:
  - Align the two arrows, one of which is on the lamp body the other is located in the moulded finger depressions of the bulb cover.
  - Rotate the cover clockwise until it latches into place, a firm stop can be felt.

Figure 1

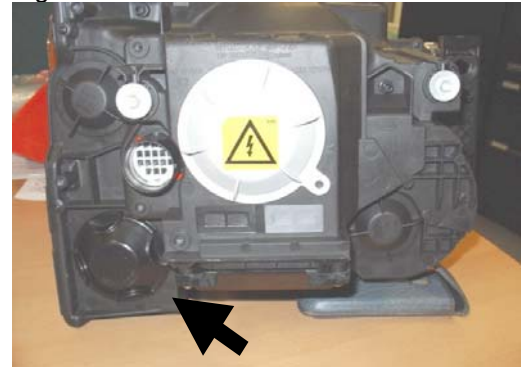


Figure 2



Figure 3

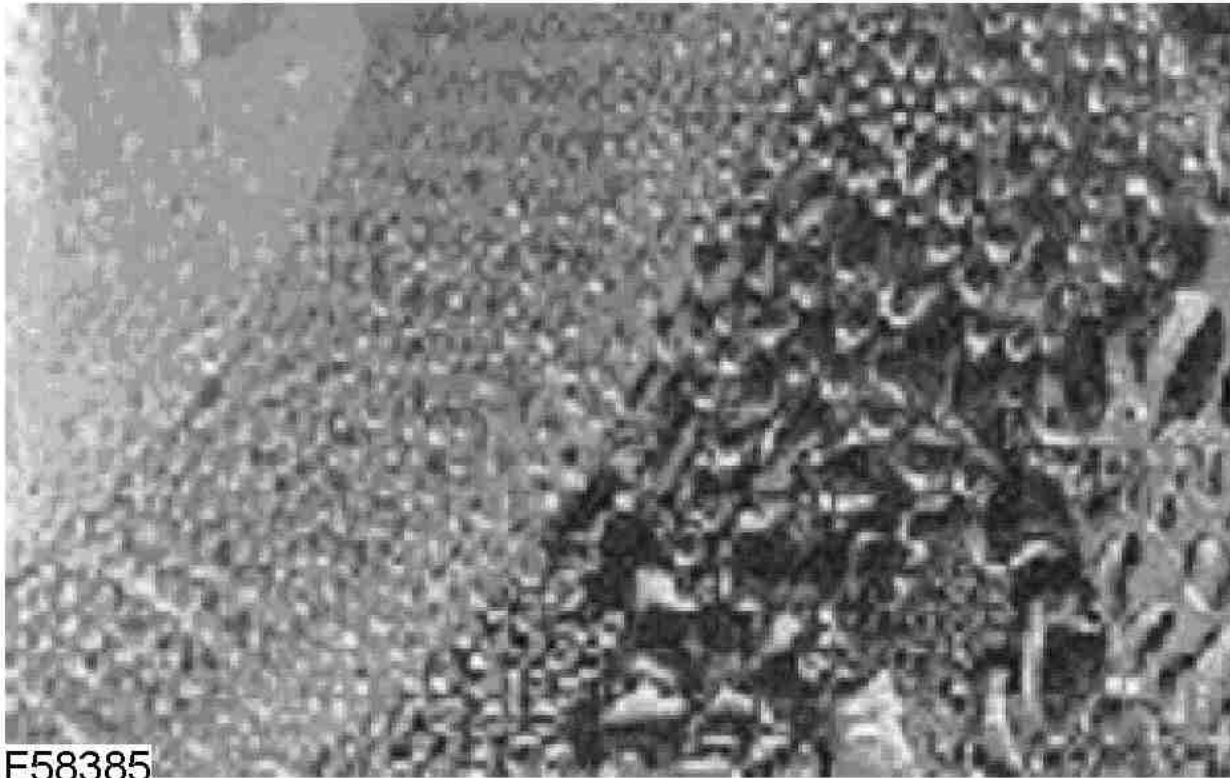


Figure 4



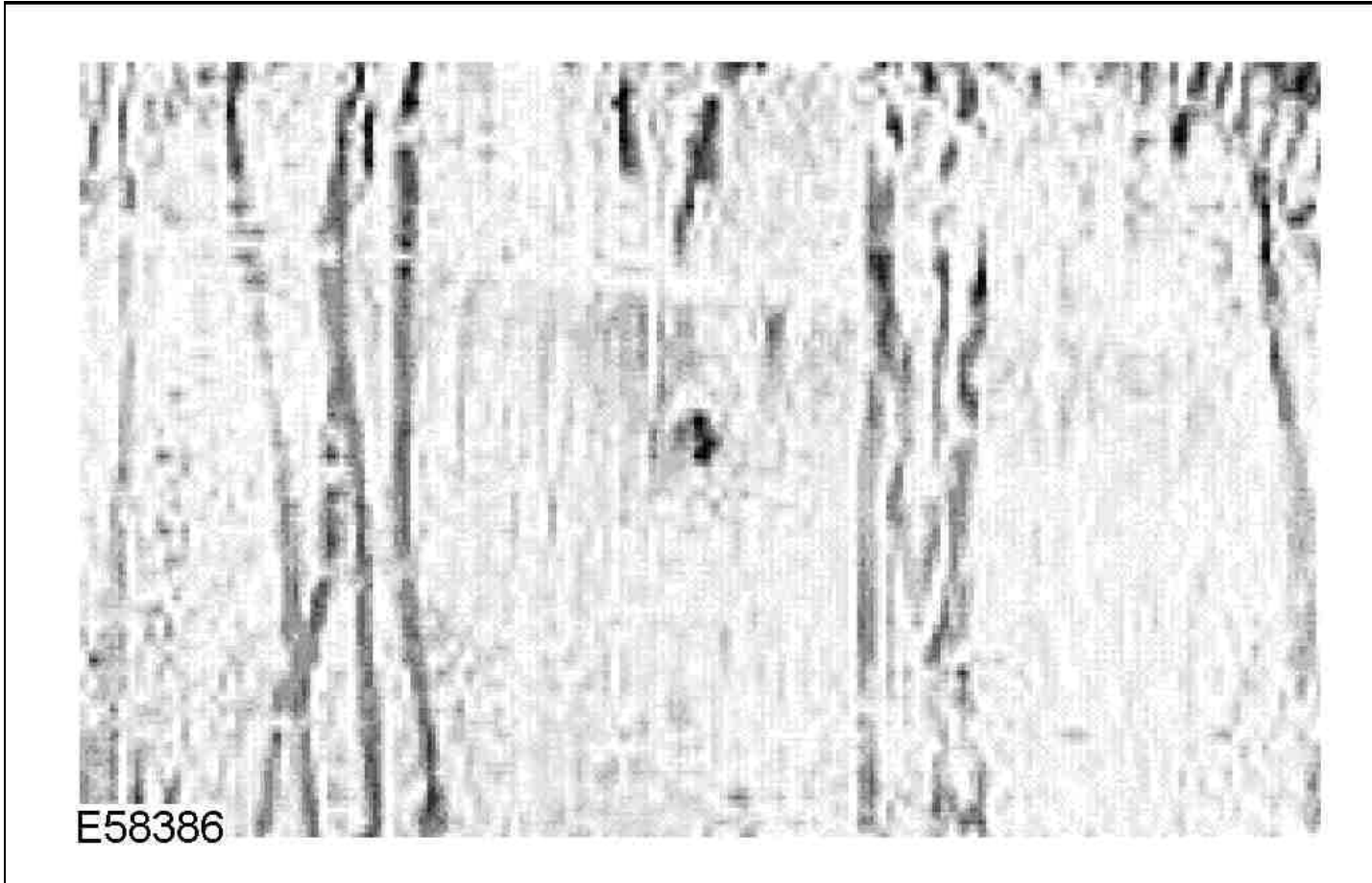


**Illustration Attachment 1  
Headlamp Condensation Covered by Warranty (Large water droplets)**





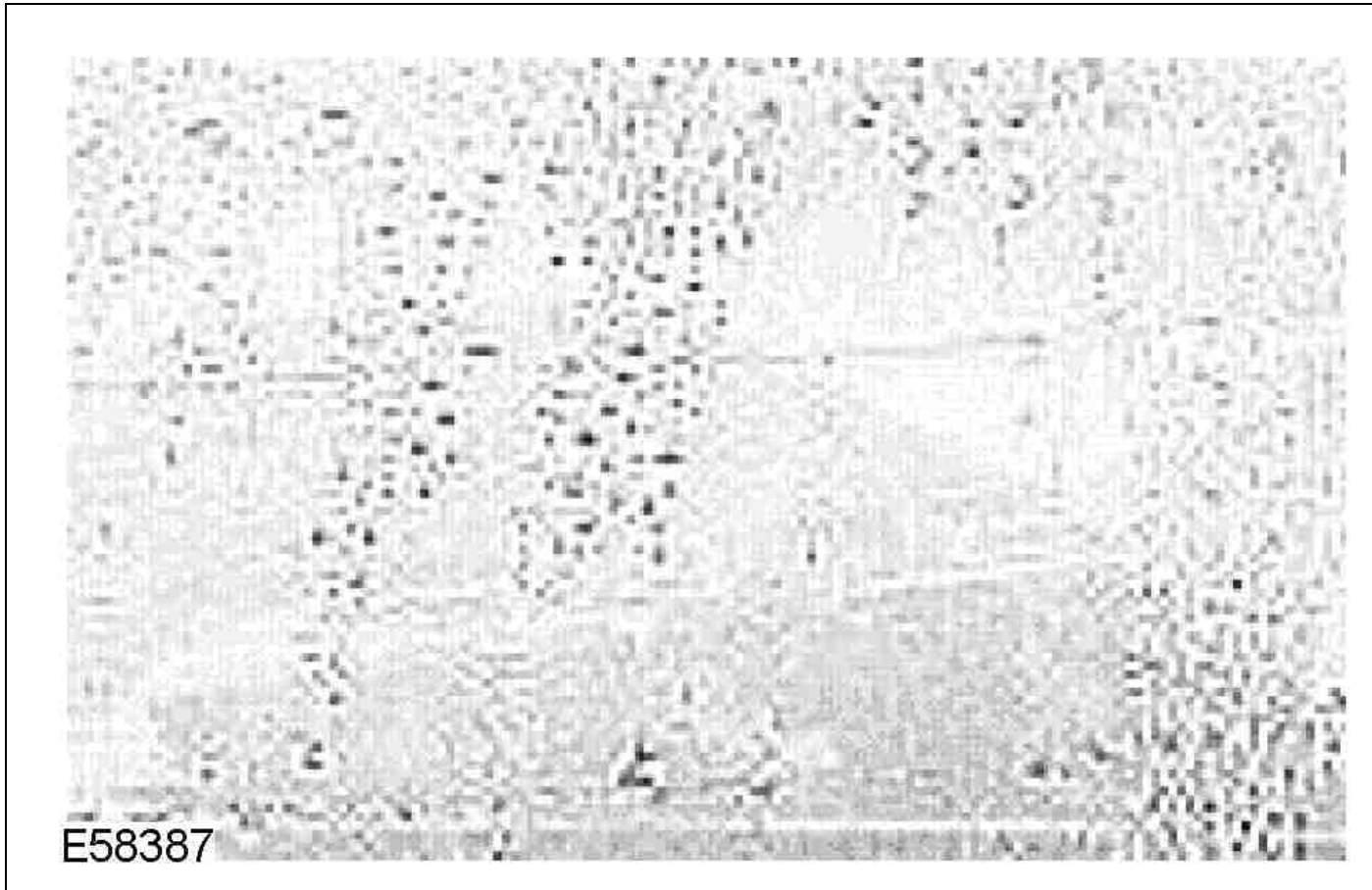
**Illustration Attachment 2**  
**Headlamp Condensation Covered by Warranty (Drip marks/streaks in condensation)**





## Illustration Attachment 3

Headlamp Condensation Covered by Warranty (Thick mist covering the lens with water droplets)





# TECHNICAL BULLETIN

No: LTB00054  
Issue: 1

## Illustration Attachment 4 Headlamp Condensation NOT Covered by Warranty -





# TECHNICAL BULLETIN

No: LTB00054  
Issue: 1

## Illustration Attachment 5 Headlamp Condensation NOT Covered by Warranty



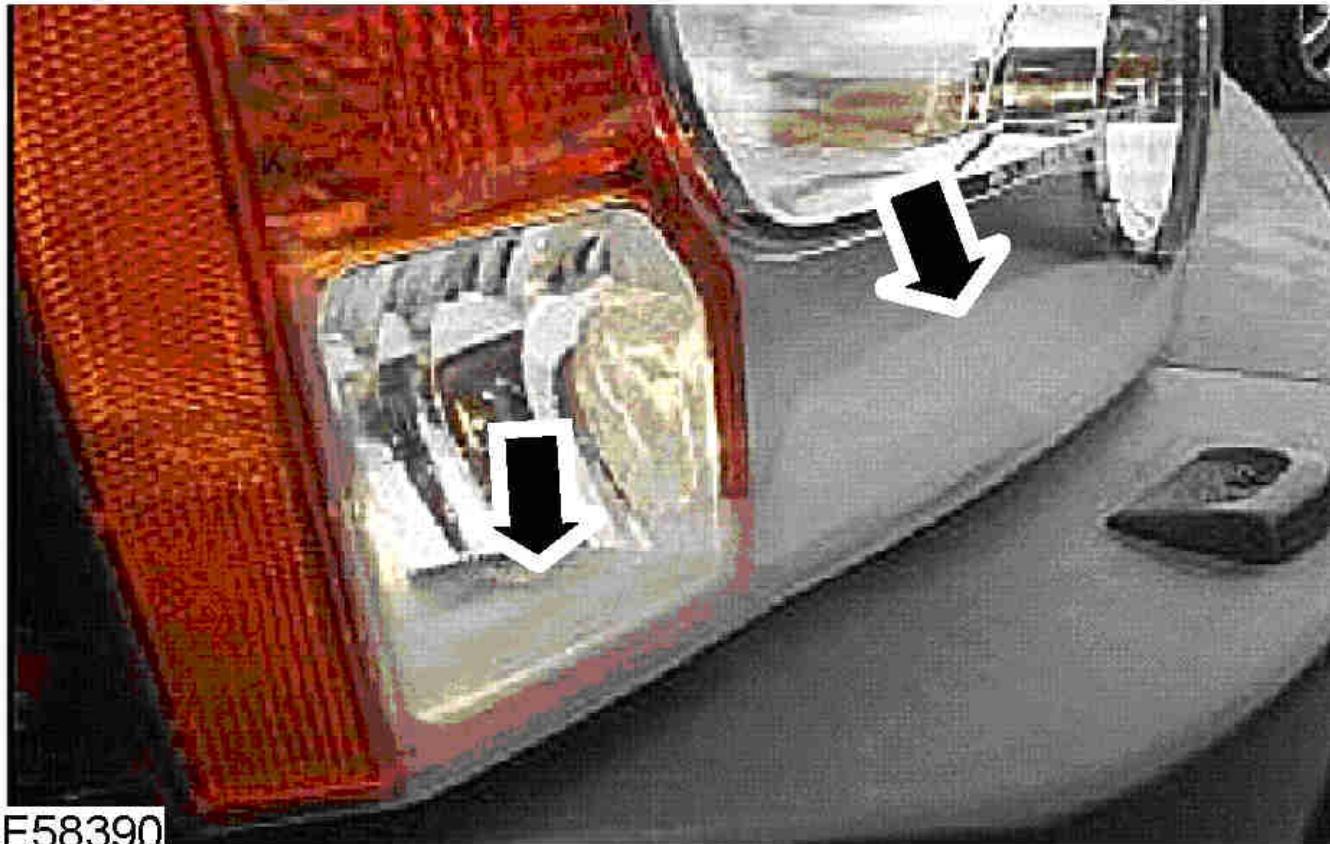
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## Illustration Attachment 6

Headlamp Condensation NOT Covered by Warranty (Mist does not obstruct the view of the lamp's interior)





# TECHNICAL BULLETIN

No: LTB00054  
Issue: 1

## Illustration Attachment 7

Headlamp Condensation NOT Covered by Warranty - 4 (Fine mist covers less than 50% of the lens)

