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## FIELD SERVICE CAMPAIGN – 16132

18 October 2016

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### SUBJECT:

Air Conditioning Hoses

### MODELS INVOLVED:

WorkStar®

### DEFECT DESCRIPTION:

On certain WorkStar® vehicles with a Cummins® ISL engine, the following A/C hoses require replacement:

- Evaporator to Compressor Hose
- Condenser to Evaporator Hose
- Compressor to Condenser Hose

### ELIGIBILITY:

This procedure applies ONLY to vehicles marked in the International® Service Portal<sup>SM</sup> with FSC 16132. Also complete any other open campaigns listed on the Service Portal at this time.

### TOOLS REQUIRED:

No special tools are required for this procedure.

### PARTS REQUIRED:

| Part Number | Description                                                             | Quantity |
|-------------|-------------------------------------------------------------------------|----------|
| N/A         | A/C Hose Retrofit Kit (Each Kit Will Be Shipped Directly To The Dealer) | 1        |

**Table 1** Parts Information

### WORK INSTRUCTIONS

**WARNING!** To prevent property damage, personal injury, and / or death, park vehicle on hard flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in both directions.

**WARNING!** To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

**WARNING!** To prevent property damage, personal injury, and / or death, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

1. Bring vehicle into shop and park on flat surface.
2. Shift transmission to Park or Neutral, set parking brake, and install wheel chocks.
3. Unlatch and open hood.
4. Follow the proper procedure to evacuate the refrigerant system. Refer to appropriate service manual for detailed instructions.

**NOTE: When removing Condenser to Evaporator Hose, disconnect electrical connection to pressure transducer.**

5. Disconnect fitting at each end of the three hoses to be removed:
  - Evaporator to Compressor Hose
  - Condenser to Evaporator Hose
  - Compressor to Condenser Hose
6. Unclip or remove all hose support clamps and strap locks used to secure each hose. Note location and orientation of each clamp and strap lock to allow for correct routing during installation.

**NOTE: When replacing Condenser to Evaporator hose, it may be necessary to transfer transducer from old line to new line.**

7. Remove three A/C hoses listed above.

**NOTE: Always lubricate O-rings with mineral-based oil during installation.**

8. Using new O-rings and C-plates, connect fittings at each end of A/C hoses. Using a torque wrench, tighten C-plate nuts to 14 - 15 lb-ft (19 - 21 N•m).
9. Secure hoses using all support clamps and strap locks removed previously.

**NOTE: Remove heater hose clipping point to air intake pipe.**

10. Remove clipping points securing heater hose to air intake pipe and discard. These clipping points are not required.
11. Evacuate and recharge refrigerant system.

12. Close and latch hood.

13. Remove wheel chocks.

## **LABOR INFORMATION**

Operation number must appear on all claims.

**Table 2** Labor Information

| <b>Operation Number</b> | <b>Description</b>      | <b>Time</b> |
|-------------------------|-------------------------|-------------|
| A40-16132-1             | Replace Three A/C Lines | 2.0 hrs     |

## **WARRANTY CLAIMS**

Warranty claim expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Field Service Campaign 16132.

Section 7 of the Warranty Policy and Procedures Manual contains further information related to the submission and processing of AFC / Recall claims.

As with all claim submissions, items acquired locally must be submitted in the “Other Charges” tab. The cost of any bulk items (such as a bag of cable tie straps, roll of wire, barrel of oil, or tube of silicone) should be prorated for the cost of the individual pieces / amount used during each repair.

To make sure this important improvement is made in a timely manner, all claims for 16132 activity must be submitted by 18 October 2017 or within the normal warranty period for the component, if after 18 October 2017.

| GROUP | NOUN | C | WARR. | TP | PAD |
|-------|------|---|-------|----|-----|
|       |      |   |       |    |     |

GROUP — Enter number →

NOUN — Leave blank →

C (CAUSE) — Enter either 1, 2, 3. (See below)

- 1. Inspected (No repair required).
- 2. Inspected and repaired.
- 3. Defective part from parts stock.

WARRANTY — (Warranty Code) Enter 40. →

TYPE PART — Enter P for type part causing failure. →

PAD — Enter 100 →

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