

FLA COE
FLB COE
> FLD Conventional
Business Class

FLC 112 Conventional
> Century Class Conventional
> Argosy COE
Cargo

> Columbia
Condor
> Coronado
Business Class M2

Freightliner
Service Bulletin

General Information

Vehicles equipped with DDEC IV have a relative-humidity-sensor wiring harness. On many vehicles this harness is routed too close to the exhaust tubing, which can result in heat damage to the wiring. This harness must be rerouted, and if damaged, replaced. Follow the instructions under "Procedure," below.

NOTE: This is a Detroit Diesel wiring harness, and is present only on DDEC IV engines. Detroit Diesel will soon publish an update to their Service Letter 04 TS-56 concerning this harness.

Parts

Parts are available from the PDCs. See [Table 1](#).

Part Number	Description	Qty.
A06-44561-072	Harness, Relative Humidity Sensor	1 (if needed)

Table 1, Parts

Procedure

1. Park the vehicle on a level surface, shut down the engine, apply the parking brakes, and chock the tires.
2. Disconnect the batteries at the negative terminals.

DANGER

Before tilting the cab or returning it to the normal operating position, read the instructions and Danger and Warning notices in Section 60.15 of the *Century Class Trucks Workshop Manual*. Failure to follow these instructions could cause the cab to hit or crush a person, possibly resulting in serious injury or death.

3. For Argosy vehicles, tilt the cab.
For all other vehicles, tilt the hood.
4. Find the relative-humidity sensor and its wiring harness on the air intake tubing. Check for heat damage from the exhaust. See [Fig. 1](#).

If there is any heat damage, install a new harness and reroute it, as instructed in the next step.

If the harness is not damaged, reroute it, as instructed in the next step.

5. Reroute/replace the relative-humidity-sensor harness. See [Fig. 2](#).

5.1 Remove the splash shields from both front fenders.

5.2 Disconnect the harness from the sensor on the air intake tubing.

NOTE: The harness is most likely to be routed around the rear of the engine and over the transmission. The connector to the second length of the harness may be at the rear of the engine, rather than at the starter. Some of the tie straps can be accessed through the fender wells on both sides of the vehicle.

- 5.3 Remove the tie straps that hold the harness to the valve-cover vent tube. See [Fig. 3](#).

Pull the harness out to the driver's side of the engine compartment. If replacing the harness, disconnect it from the second connector at the rear of the engine (or near the starter).

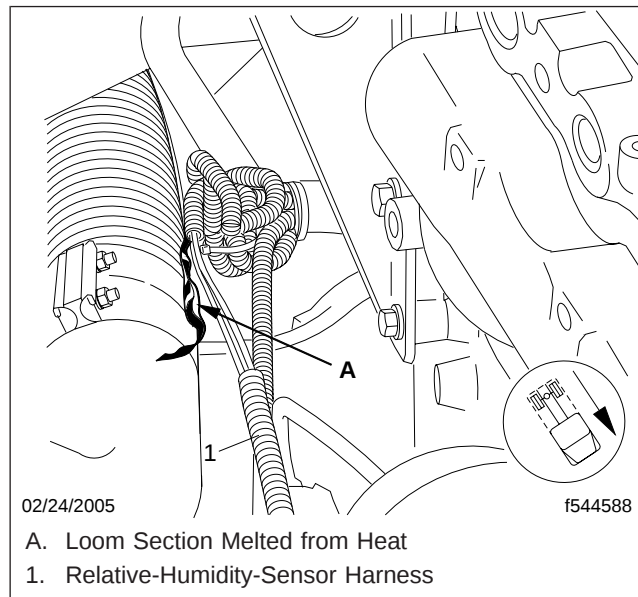
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Fig. 1, Heat-Damaged Harness

IMPORTANT: Do not cut the tie straps holding the harness section in place above the starter. This section of the harness is not affected by the procedure.

5.4 If replacing the harness, attach the end of the new harness to the connector at the rear of the engine (or near the starter). Route the harness (new or existing) along the top of the cowl, and secure it to the thermostat vent line with tie straps. If necessary, coil the harness to take up any slack. See [Fig. 4](#).

5.5 Connect the harness to the sensor on the air intake tubing.

6. Attach the splash shields to the front fenders.

7. Connect the batteries.

! DANGER

Before tilting the cab or returning it to the normal operating position, read the instructions and Danger and Warning notices in Section 60.15 of the *Century Class Trucks Workshop Manual*. Failure to follow these instructions could cause the cab to hit or crush a person, possibly resulting in serious injury or death.

8. For Argosy vehicles, return the cab to the operating position.

For all other vehicles, lower the hood.

9. Remove the chocks from the tires.

Warranty

Normal warranty applies. Use the damage code and time guide information in [Table 2](#). Refer to this bulletin by number in the story of the claim and enter A06-44561-072 as the failed part number.

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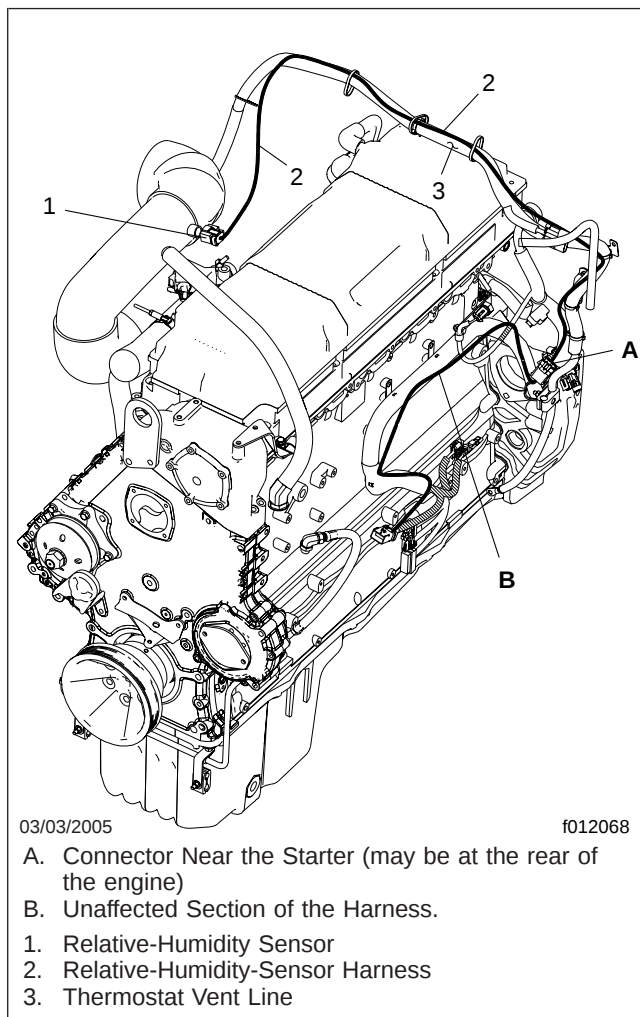


Fig. 2, Relative-Humidity-Sensor Harness (typical routing)

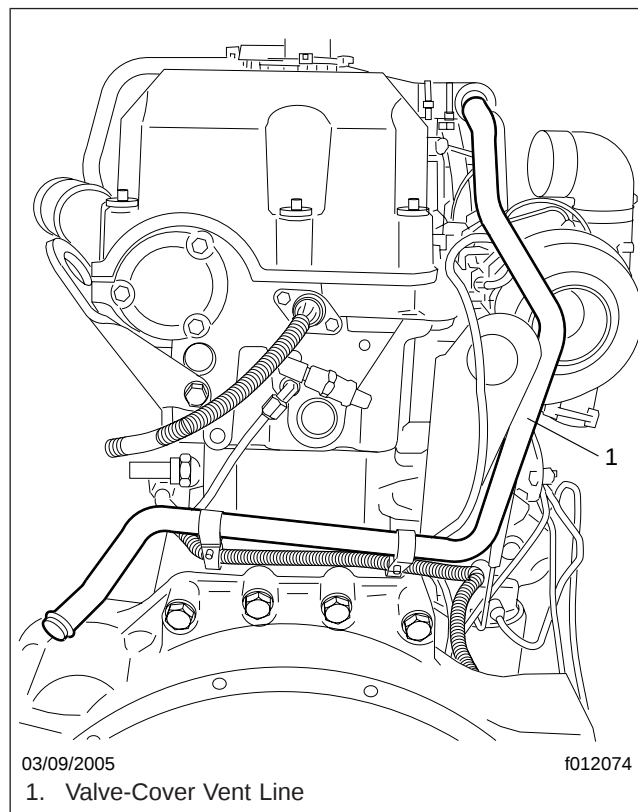


Fig. 3, View From the Rear of the Engine

Damage Code and Time Guide Information			
Damage Code	Operation Number	Description	Time: hours
101-000334940	101-5040A	Humidity-Sensor Harness Rerouting	1.6

Table 2, Damage Code and Time Guide Information

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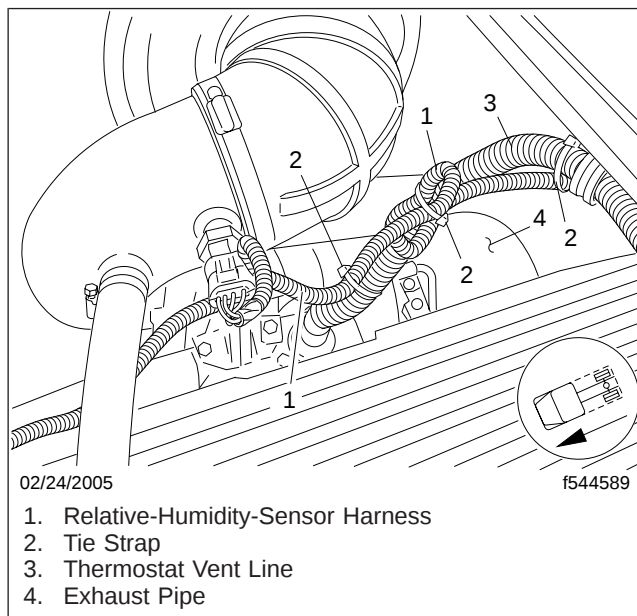


Fig. 4, Harness Rerouted