Removing the Shipping Plate from the Fan Hub on ISB Engines

FLA COE
FLB COE
FLD Conventional
Business Class
FLC 112 Conventional
Century Class Conventional
Argosy COE
Cargo
Columbia
Coronado
> Business Class M2
Cascadia

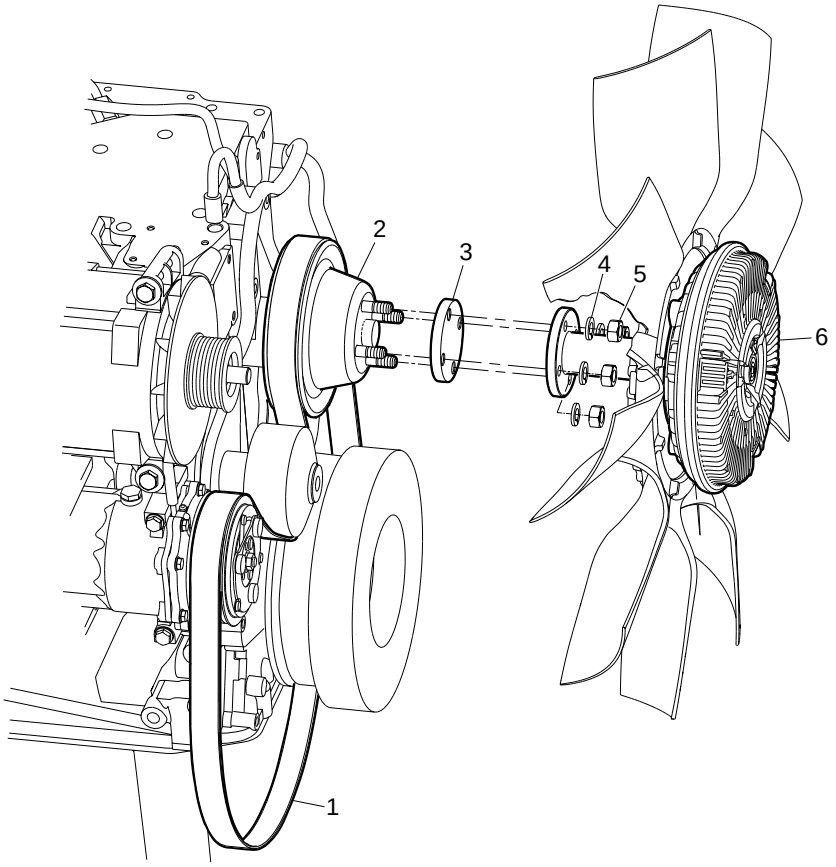
Freightliner
Service Bulletin

General Information

Some vehicles equipped with a Cummins ISB engine and built before March 11, 2009, may have a shipping plate installed between the fan clutch and the fan hub. Leaving the plate installed between the fan hub and the fan clutch can cause imbalance because the fan may be slightly off-center or off-axis. If a vehicle has this shipping plate, remove the plate to ensure proper fan balance and hub bearing life.

Procedure

1. Reduce the fan belt tension, and release the fan belt from the pulleys so that it dangles, removing all force from the fan hub.
2. Protect the back of the radiator by inserting a piece of cardboard in between the radiator and fan.
3. Remove the four nuts attaching the fan hub to the fan clutch. See **Fig. 1**.



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1. Fan Belt
2. Fan Hub
3. Shipping Plate
4. Washer
5. Nut
6. Fan Clutch

Fig. 1, Removing the Shipping Plate

4. Set the fan inside the fan shroud.
5. Remove the shipping plate.

6. Position the fan clutch on the fan drive. Apply Loctite® 242 (blue) to the threads, then tighten the nuts 37 lbf·ft (50 N·m). Remove the cardboard protecting the radiator.
7. Install the fan belt and adjust the tension.

Warranty

Normal warranty applies. Use the part number of the fan clutch as the primary failed part number on the claim. See **Table 1** for damage code and labor allowance information, and refer to this bulletin by number in the story of the claim.

Damage Code and Labor Allowance					
VMRS CK33	**VMRS CK18**	**Damage Code**	**SRT Code**	**Description**	**Time: hours**
042-003-036	28	273-001A02940	273-5056A	Fan Clutch Shipping Plate, R/R	0.6

Table 1, Damage Code and Labor Allowance