

COE
120 Conventional
FLA COE

> FLB COE
> FLD Conventional

Medium Trucks
> FLC 112 Conventional

Freightliner
Service Bulletin

Introduction

Since July 1994, Horton fan clutches have changed to include a System Sentry™ overheat fuse and a new cartridge design. The thermal fuse located in a bore in one of the three round bosses now found on the front of the piston friction disc (see [Fig. 1](#)) releases the fan clutch if it overheats from slippage. This is accomplished by a fusible plug which releases the air pressure that keeps the fan clutch engaged, causing the fan clutch to release immediately. The fan clutch then remains inoperative until the fusible plug has been replaced. See "Replacement" below.

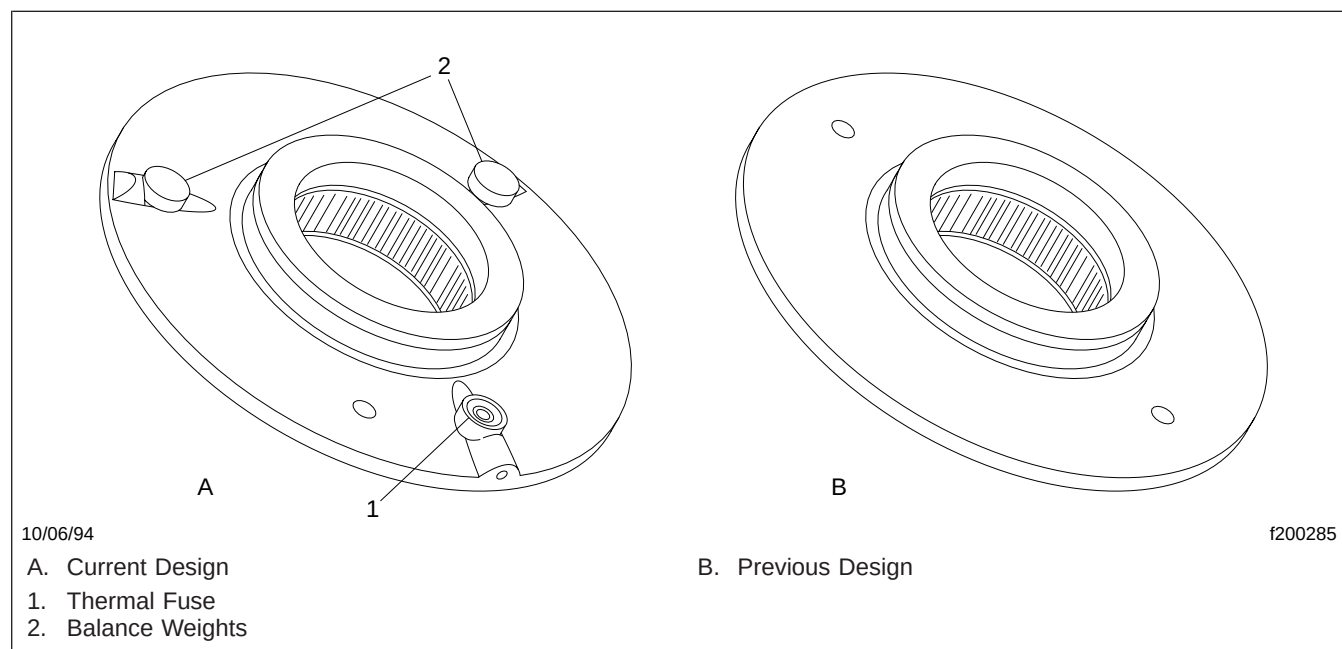


Fig. 1

Before replacing a blown fuse plug, determine and correct the cause of the overheating.

The fuse part number is HOR 994098. This is a 1/8–27 NPT plug with a left hand thread.

Clutch assembly part numbers remain the same. The fuse plug is available from your PDC.

This is an informational bulletin only; warranty does not apply.

Replacement

1. Park the vehicle on level ground, and shut down the engine.
2. Apply the parking brakes, chock the tires, and drain the air system.
3. Tilt the hood or cab. See **Section 60.04** of the *Heavy-Duty Trucks Service Manual* for cab-tilting instructions.
4. Remove the fan from the fan clutch, and carefully move the fan forward into the fan shroud and against the radiator. Be careful not to damage the radiator. For fan removal instructions, see *Group 20* of the **Heavy-Duty Trucks Service Manual**, or the **FLC 112 Conventional Service Manual**.

NOTE: Before replacing the blown fuse plug, determine and correct the cause of the overheating.

5. Remove the blown fuse. This is a 1/8–27 NPT plug with left-hand thread.

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6. Install the new fuse.
7. Install the fan.
 - 7.1 Apply Loctite® 242 or equivalent on the threads of the fan attachment studs.
 - 7.2 Position the fan on the hub.
 - 7.3 Install the flat washers, lockwashers, and nuts.
 - 7.4 Tighten the nuts 15 lbf·ft (20 N·m).
8. Lower the hood or cab. See **Section 60.04** of the *Heavy-Duty Trucks Service Manual* for cab lowering instructions.
9. Start the engine and build up system air pressure.
10. Check the air connections for leaks. For instructions, see **Group 20** of the *Heavy-Duty Trucks Maintenance Manual*.
11. Remove the chocks from the tires.