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Dodge Rear Frost Plug Plate




1040022	1989-2002 Dodge Mechanical
1040023	2003-2018 Dodge Common Rail

Original frost plug removal is not required!



The rear plate seals with a large O-ring on the OEM machined face at the rear of the motor.

Kit Contents

1989-2002 (1040022)

1400022	FT-0161841	FT-1166891
		
Plate; Frost Plug Mechanical Injected Truck	Bolt; M12 x 25mm	O-Ring; #333
Qty: 1	Qty: 2	Qty: 1

2003-2018 (1040023)

1400023	FT-0161841	1120124	FT-1166891
			
Plate; Frost Plug Common Rail Truck	Bolt; M12 x 25mm	Bolt; M8 x 20	O-Ring; #333
Qty: 1	Qty: 2	Qty: 3	Qty: 1

Introduction

The coolant pressure can reach 70+psi at high rpm before the thermostat fully opens. This will cause a corroded frost plug to leak. The BD rear frost plug is able to seal the leak without the need to hammer out the old frost plug.

We recommend installing the rear frost plug plate when the transmission is removed. The plate can be installed with the transmission in place, however the surface finish on the back of the motor is critical and must be checked prior to use.

Tools Required for Installation

- 13mm Socket
- 16mm Socket
- Scotch brite pad
- Silicone Grease

Installation

1. Remove the ground strap on the M8 bolt.

Note: The 6.7L Cummins will need the cast bracket between the engine and transmission adapter plate removed



2. Use an abrasive pad to remove all rust and debris. The plate must sit flush to the motor.

The surface around the frost plug MUST be clean and smooth for the O-Ring to seal properly.



3. Make sure the M8 and M12 bolts can be threaded in by hand. You may need to run a thread chaser down the bolt holes or use penetrating fluid.

Mechanical injected trucks will not require the M8 bolts



4. Use some silicone grease and lubricate the O-ring before inserting it into the plate. This ensures the O-ring seats properly on the face.



BD Engine Brake Inc.

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5. Install the M8 bolts (13mm head) with the grounding strap in the stock location and the M12 (16mm head) bolts. Be sure to thread in all bolts before tightening the bolts down.



6. If your truck has a TCC crossover tube, DO NOT try to slip the plate between the tube and the block, this may cut the O-ring.

Unbolt the tube with a 13mm socket, then install the coolant plate. Re-install the TCC tube.

The TCC tube covers one of the bolt holes. You will only use two M8 bolts.



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