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Coding Information

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Title: 2010 MaxxForce 15 Coolant Control Valve Retro-fit

Applies To: MaxxForce 15L

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

07/15/2019 - Initial Article Release

DESCRIPTION

An updated procedure has been introduced to adapt Coolant Control Valve (CCV) part# **3018072C92** in place of **3014157C91 / C92**.

SERVICE PART(s) INFORMATION

Kit Description	Part Number	Quantity Required
Valve, Assembly, Coolant Control	3018072C92	1

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

WARNING! To prevent property damage, personal injury, and / or death, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

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.

WARNING! To prevent property damage, personal injury, and / or death, remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last.

PROCEDURE

Follow the Coolant Control Valve (CCV) R&I procedure within the [MF15 Engine Service Manual 0000001746](#).

NOTE:

Do not remove the coolant hose adapter from the adapter body.



1. Remove the failed CCV from the adapter body.
2. With the new CCV loosen all (6) mid-plate bolts by a 1/2 turn. Rotate the highlighted solenoid "A" by a 1/4 turn to align the hard shell away from the adapter body.



Figure 1



Figure 2



Figure 3

3. Start in the middle and work from the center out counterclockwise torque the mid-plate bolts to **55 (lbs-in)** or **6.21 (Nm)**.



4. Prior to installation lubricate the CCV O-ring with P-80 and install into the adapter plate and torque bolts to specification.
 5. Complete installation of the CCV assembly onto the engine. Refill and recheck the cooling system for leaks.
 6. Operate engine until operating temperature has been achieved. Using NED perform **KOER-Coolant Control Valve Test to verify operation**.
 - Set CCV to 95% ECT1 and ECT2 should be within 5 degrees of each other.
 - Set CCV to 5% ECT2 and TC2CIT should be 30 degrees less than ECT1.
 7. Clear faults and road-test vehicle to recheck operation.
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WARRANTY INFORMATION

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Refer to the [SRT Manual](#) for Repair Times

OTHER RESOURCES

[Master Service Information Site](#)

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