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**Other Languages:** NONE

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Coding Information

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**Title:** MaxxFORCE® 7 Thermal Management Valve Kit Programmable Parameter Information

**Applies To:** 2010 MaxxFORCE® 7 Diesel Engines, Engine Serial Numbers 5306833 and Up.

## CHANGE LOG

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

11/13/2018 - Added information about transmissions programming per article feedback.  
 05/01/2015 - Changed "EBE BC J1939 CAN Signal Feature Enabled" from option 1 to option 2 for parameter 70101.

## DESCRIPTION

2010 EPA MaxxFORCE 7 Thermal Management Valve (TMV) Kit is a New aftermarket kit that will allow customers to use the TMV as an engine brake or warm-up device on engines that were not initially built with this option. This iKNOW document will cover the Programmable Parameters needed after installing the Kit.

## PARTS LETTER

Please refer to link below for Parts Information (The installation instructions will come with the kit)  
[G-12-8998-A](#)

## PROGRAMMABLE PARAMETERS

In addition to installing the kit you will need to ensure the following parameters are set in the ECM and the Body Controller.

### SERVICEMAXX PARAMETERS

70003 - Vehicle Retarder Control Mode - Set to 1 - Exhaust Brake Latched  
 For vehicles without a Body Controller set 70101 - Exhaust Brake Switch Signal Feature Enable - Set to 1 - EBE Hard-Wire Signal Feature Enabled  
 For vehicles with a Body Controller set 70101 - Exhaust Brake Switch Signal Feature Enable - Set to 2 - EBE BC J1939 CAN Signal Feature Enabled  
 72001 - Exhaust Back Pressure Control Mode - Set to 1 - Enable  
 72012 - Engine Assisted Windshield Defrost Feature - Set to 1 - Enable

You can also use one of the template files, from the zipped file below, to program those parameters using ServiceMaxx. Click on the link to download and save to your desktop. Unzip the files and then open ServiceMaxx - click on Open Template and select the desired template - verify the above parameters are in the column to the right and then hit the Program Engine Button. If you need more information on Programming with Templates please refer to iKNOW document [IK1200603](#).

[TMV ServiceMaxx Templates File](#)

## DIAMOND LOGIC BUILDER (DLB) PARAMETERS


595AGC - BC PROG, ENGINE EXHAUST BRAKE, Make sure there is a check mark in the installed column for this Feature, if there is not put a check mark in the installed box and then click on the Program (Pencil Icon) to write the parameter into the Body Controller. After installing this feature click on the Center Panel Tab and reference the spot where the Exhaust Brake switch was added to the 6-Pack and ensure the switch you are installing is in the same location.

## TRANSMISSION PROGRAMMING

When the engine brake is actuated with an Allison transmission, the transmission will preselect to 4th gear. This preselect gear is programmable in Allison DOC software. Verify that the Allison transmission is preselecting 4th gear or whatever gear it is programmed for during the engine brake event. If you need assistance with programming the transmission please contact Allison support.

### NOTE:

If the exhaust brake feature is not working, after installation and programming, you will need to open a case file, with the vehicle programming group, to get the exhaust brake component, 0007SDE, added to the programming. There is a \$400.00 programming fee associated with this addition. Reference this iKnow document in the description of the case file.

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