

# APT<sup>B</sup> 13/16 R2

## SUBJECT: Alliant Power Isuzu<sup>®</sup> Common Rail Injector Trim Code Programming for Isuzu and GM<sup>®</sup> Applications

March 01, 2018



The following Alliant Power injectors require trim code programming:

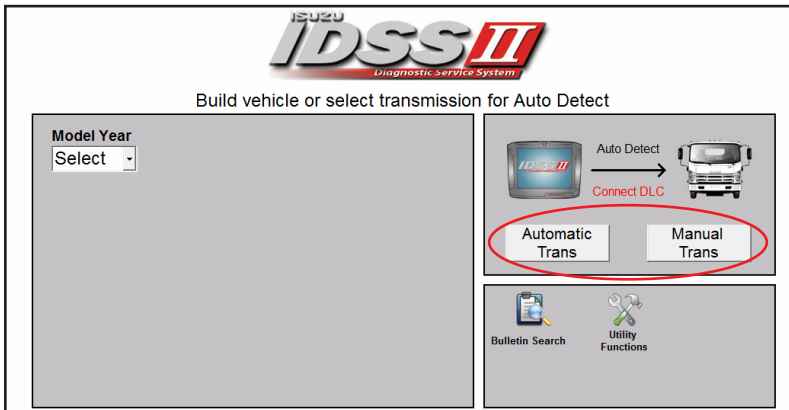
Engine Family	4HK1	6HK1
	AP53903	AP53904
	AP53907	AP53905
	AP53808	AP53906
	AP53809	AP53907

Whenever any of the injectors listed above are installed in an engine, the trim code on the injector must be programmed into the ECM. The procedure below shows how this is performed using the Isuzu Diagnostic Service System (IDSS) diagnostic tool.

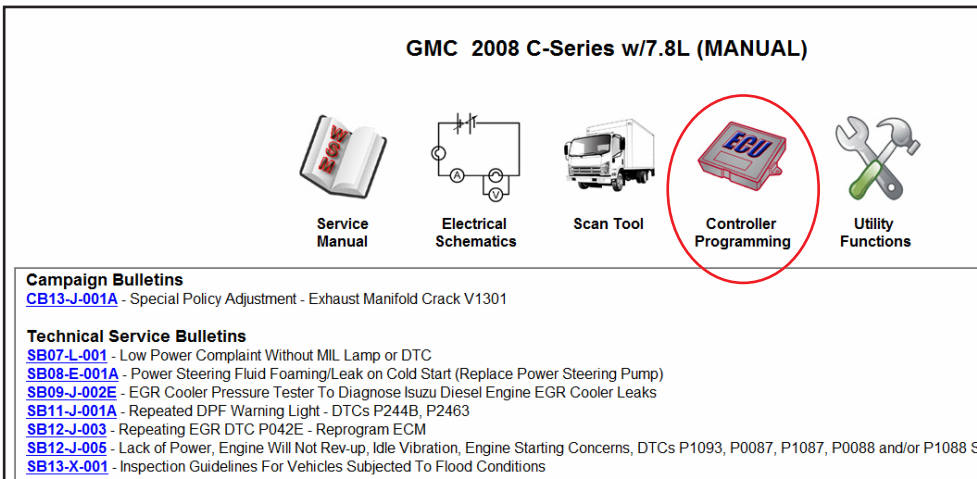
Visit the following website for more information on the IDSS diagnostic tool:

<https://www.isuzutruckservice.com/store.php?category=6>

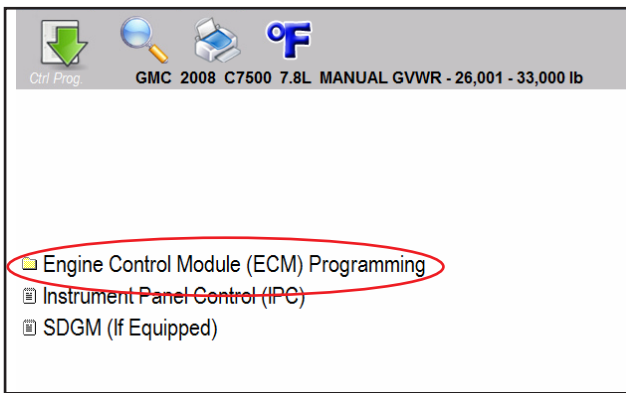
With the diagnostic tool connected to the vehicle, select the transmission type for auto detection.



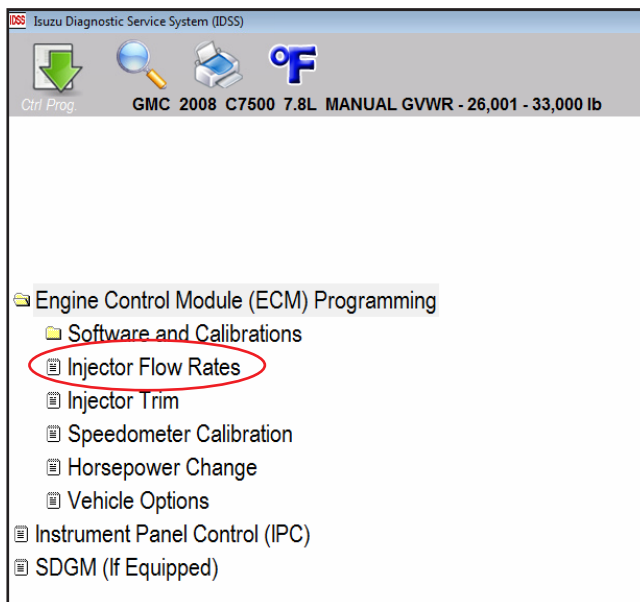
Select "Controller Programming".



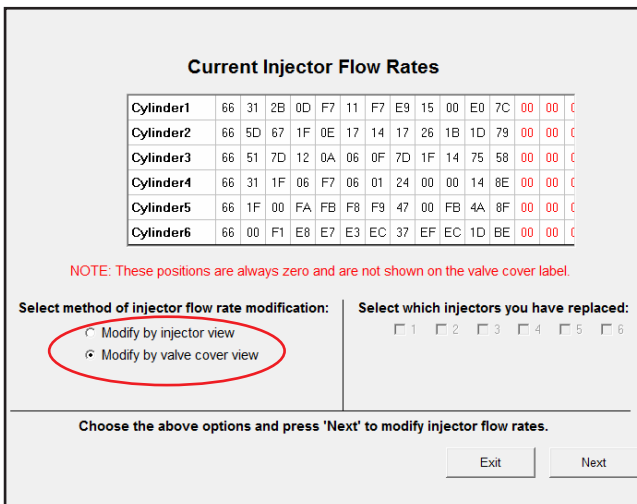
Select "Engine Control Module (ECM) Programming".



Select "Injector Flow Rates".



Select the method to modify the trim codes, "Valve Cover View" or "Injector View".



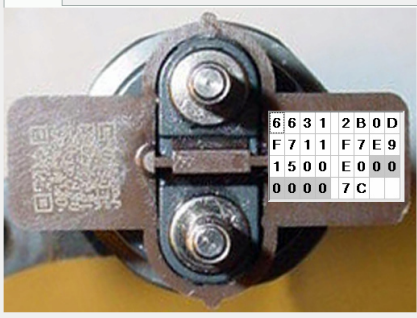
Select "Reprogram Injector Flow Rates" once the new code(s) have been entered.

### Injector View

**Modify Injector Flow Rates by Injector View**

Click each of the tabs below and enter Injector Flow values. You must enter Injector Flow values for all injectors before pressing 'Reprogram Injector Flow Rates,' or press 'Back' to cancel.

Injector 1



Click on a cell in the grid to the left to edit. Characters can only be 0-9 and A-F.

67 xx xx xx ... = High Horsepower Injectors  
66 xx xx xx ... = Low Horsepower Injectors

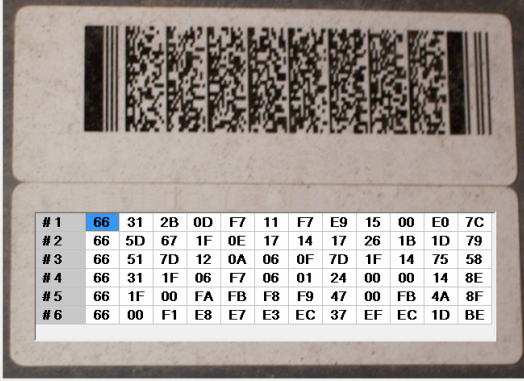
The engine must not be running when reprogramming injector flow rates.

Back **Reprogram Injector Flow Rates**

### Valve Cover View

**Modify Injector Flow Rates by Valve Cover**

Enter Injector Flow values for all injectors before pressing 'Reprogram Injector Flow Rates,' or press 'Back' to cancel.



# 1	66	31	2B	0D	F7	11	F7	E9	15	00	E0	7C
# 2	66	5D	67	1F	0E	17	14	17	26	1B	1D	79
# 3	66	51	7D	12	0A	06	0F	7D	1F	14	75	58
# 4	66	31	1F	06	F7	06	01	24	00	00	14	8E
# 5	66	1F	00	FA	FB	F8	F9	47	00	FB	4A	8F
# 6	66	00	F1	E8	E7	E3	EC	37	EF	EC	1D	BE

Click on a cell in the grid above to edit. Characters can only be 0-9 and A-F.

67 xx xx xx ... = High Horsepower Injectors  
66 xx xx xx ... = Low Horsepower Injectors

The engine must not be running when reprogramming injector flow rates.

Back **Reprogram Injector Flow Rates**

Follow the key cycle prompts to complete injector trim code programming. The following message will be displayed if the programming was completed successfully.

**Programming Complete!**

**Read Programmed Injector Flow Rates**    **Exit**

R1 – Updated part number AP53903  
R2 – Updated part numbers AP53904 to AP53907



Technical Bulletin