APTB 12/16 R2 SUBJECT: Alliant Power Isuzu[®] Common Rail Injector Trim Code Programming for GM[®] 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 a J2534 device (such as the GM MDI[®]) as a pass-through with an AC Delco[®] software subscription.

With the device connected to the vehicle, log into www.acdelcotds.com.

After a valid username and password are entered agree to the terms below and select "Continue".



Select "Service and Programming Information" at bottom of next screen.

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Next select "Access Your Subscription". Make sure it includes an active Service Programming Subscription.



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Select "Service Programming System (SPS)".

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Make sure 32-bit version of Java is present on computer then select "Start SPS".



Select "Run" at security prompt to run SPS application.

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BEFORE YOU START		
The right Java software (32-bit) must be installed on your Techline PC for TIS-Online to work. Refer to the	e online help to download	
SPS is going through several steps that might be time consuming depending on your connection speed. For	further details please refer to the online help.	Start SPS
Please be patient if connected via slow Internet connection		
The TIS software application does not support the use of the browser's Forward and Back buttons. Errors w	Do you want to run this application? Berne SPS V. 6.0.89 Williem Control State Politiem Control State Decomposition of the politication of the state in the state	and not on the toolbar.

Select your J2534 compatible adaptor being used to program injector flow codes. For this demo we are using a GM MDI. A Tech2 handheld can be used provided you have appropriate cables for pass-through and a serial port on the computer.

Select "Reprogram ECU", then select "Next".

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The software will try to connect to the vehicle. Make sure to turn off any accessories and batteries are fully charged. Having a charger connected is not recommended during programming. Select *"Next"*.

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Identify vehicle as prompted, then select "Next".

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ALLIANŤ POWER If correct Vehicle Identification Number is not displayed, enter 17 digit VIN, then select "Next".

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Select "INJ Fuel Injector Flow Rate Programming", then select "Next".

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ALLIANŤ POWER Select the number of engine cylinders and which injectors are being replaced. Select "Next".

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	Select w	/hich inject	ors you hav	e replaced:					
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If you haven't already, write down the trim numbers from the plastic tag on top of the injector. Also the location of each in the engine. Injector number is actual cylinder number. Click through each screen and enter each injector trim code per the selection made in screen above.

Fuel Injector Replacement	×
Injector # 1	
66 31 2B DD	
F7 11 F7 E9	
15 00 E0 00	
00 00 7C	
OK Cancel	

Next you should have a confirmation screen stating that SPS programming was done with date and time. This screen also allows you to clear any codes created. Now turn key off before going any further and allow at least 30 seconds before performing any actions to make sure programming is set. The injector trim codes can be checked using the Tech2 handheld or Tech2Win software.

Note: When viewing injector trim codes with Tech2 handheld or Tech2Win software, the last six zeroes are removed from display.

Actual code: 66 31 2B 0D F7 11 F7 E9 15 00 E0 00 00 00 7C

Will show as: 66 31 2B 0D F7 11 F7 E9 15 00 E0 7C

Steps to check the trim codes are as follows:

- 1. Diagnostics
- 2. Powertrain
- 3. Engine control module
- 4. Module setup
- 5. Option programming
- 6. Injector flow rates

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R1 – Updated part number AP53903

R2 – Updated part numbers AP53904 to AP53907