



Important!

Maintenance Department

Please give copies to
all Mechanics & Techs

Flyer No: SPF- #3

Date: 09-01-17

SKILLS & PRACTICES FLYER #3

Presented by the Maintenance Department to serve as a document for sharing learnings from maintenance activities.

Subject: <h2 style="text-align: center;">Isuzu Injector QR Code Programing Overview</h2>	Company Segment: Power Generation
	Manufacturer: Isuzu
	Model : ALL
	Engine: ALL
	Tier Rating: ALL
	Labor Time: ALL

MAIN CONSIDERATIONS:

1. QR Code programming is required by the EPA and CARB. Penalties can be applied to individuals or companies which do not perform QR code programming.
2. Installing injectors with the incorrect QR codes (either falsely entered QR codes, or by installing injectors and not changing QR codes) can result in a runs rough or white smoke (fuel) condition. This can cause costly damage and or result in multiple injector replacements when the root cause was unprogrammed QR codes
3. You must understand that Isuzu has two different length QR codes (noted in the TSB). As a result, it is critical to enter the QR codes correctly, otherwise the E-IDSS will reject the code.
 - a. The 4HK1-6WG1 injectors have a 30 digit QR code
 - b. The 4JJ1 and T4F 4LE2 engines have a 24 digit QR code
 - c. The highlighted block of 0's in the pictures listed on page 2 and 3 are only place holders on the physical injector and need not be entered or modified
 - d. My recommendation is to always ensure the last two digits of the injector QR code are entered into the last two spaces on the E-IDSS. This avoids confusion based on the two different length QR codes and the two different styles of programming.
4. An additional note, the first two digits of the QR code will always match the injector pulled and the injectors in the engine. So, if your injector starts with '55' and was removed from a tier 3 6HK1, the new injector should also start with '55'. If not, you likely have the wrong injector in your hand and the QR code will not program into the ECU.
5. Please thoroughly review the E-IDSS Isuzu Injector QR Code Programing information listed on page 2 and 3.





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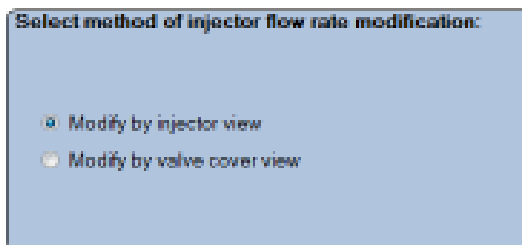
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E-IDSS Programming

- Injector replacement – QR Codes
 - Programming the injector QR codes is used after an injector, injectors or the ECM is replaced
 - QR codes must be programmed anytime one of these three components are changed based on EPA regulation
 - New engines come with the QR codes preloaded into the ECM
 - There are two options for QR programming
 - Entering the QR codes as they appear on the Injector Tab
 - Entering the QR codes as they appear on the valve cover



E-IDSS Injector QR Codes

- When entering the QR code as it appears on the injector tab, it is important to remember that not all the digits are used





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E-IDSS Injector QR Codes

- Another option allows for direct code entering just like it appears on the valve cover QR code label
- The digits highlighted in red are still left out



E-IDSS Injector QR Codes

- When entering the QR code as it appears on the injector tab, it is important to remember that not all the digits are used
- QR codes on the injectors only require certain digits are entered, please refer to the picture below.
- Digits highlighted in red DO NOT get entered

