



**IMPORTANT SERVICE  
INFORMATION FOR:**

- ✓ SERVICE MANAGER
- ✓ SERVICE ADVISOR
- ✓ TECHNICIAN
- ✓ PARTS DEPARTMENT
- ✓ WARRANTY PERSONNEL

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## INTRODUCTION TO THE 2022MY F-SERIES



### AFFECTED VEHICLES



- 2022MY Isuzu F-Series Vehicles  
Equipped with Cummins B6.7 Diesel Engine

### INFORMATION

The information below is provided to help technicians properly service the 2022MY Isuzu F-Series vehicles equipped with the 6.7L Cummins diesel engine. This bulletin also outlines the diagnostic scan tool connection requirements to facilitate technicians' use of the tool on the Affected Vehicles.

Transmission Fluid	Use Castrol Oil TranSynd TES295 <b><u>ONLY.</u></b>
Power Steering Fluid	Use Castrol Oil TranSynd TES295 <b><u>ONLY.</u></b>
Cummins Engine Repairs	The Cummins Engine is warrantied directly by Cummins. All warranty repairs must be performed at an authorized Cummins dealer. Use the link below to find your nearest Cummins dealer.  <a href="https://www.cummins.com/na/sales-and-service/service">https://www.cummins.com/na/sales-and-service/service</a>
Allison Automatic Transmission Repair	The Allison Transmission is warrantied directly by Allison. All Allison Automatic Transmission warranty repairs must be performed at an authorized Allison dealer. Use the link below to find your nearest Allison dealer.  <a href="https://www.allisontransmission.com/sales-service-locator">https://www.allisontransmission.com/sales-service-locator</a>
Emissions Warranty – After-treatment Component coverage	Cummins is primarily responsible for the Emissions warranty covering the After-treatment system. Those repairs must be performed at an authorized Cummins




	<p>dealer. Refer to the Cummins Owners Manual for coverage details.</p> <p>Isuzu is responsible for certain components that support the After-treatment system. These parts include: DEF Tank, DEF Tank Multi Sensor Unit (Quality/Level), among others. These parts must be repaired by an authorized Isuzu dealer. Refer to the Isuzu Owner's Warranty Booklet for coverage details.</p>	
<p>DPF Regeneration instrument panel indicators are unique</p>		<p>The Regeneration Required warning indicator in the MID will illuminate when DPF regeneration is required.</p>
		<p>The High Exhaust System Temperature Indicator light will illuminate when DPF regeneration is in progress.</p>
<p>DPF Regenerations have different functionality than previous Isuzu Models</p>	<p>Refer to the Cummins Operation and Maintenance Manual for further details</p>	
<p>Odor and Fumes from Engine Compartment on New Vehicle on first start and warm up</p>	<p>The Cummins Engine and Components have been painted a trademark red color. This red paint may emit an odor and/or fumes when it is warmed up for the first time. The vehicle should be operated outdoors in a safe area with adequate ventilation when it is first started and warmed up.</p>	
<p>Brake squeal during braking</p>	<p>Some brake noise is normal. Noise caused by glazing of the brake shoes can be addressed by sanding the shoes with 80 to 100-grit sandpaper. Sanding should not be done in the direction of drum rotation. Drivers' braking habits and certain types of vehicle upfits can cause glazing.</p>	
<p>A Separate DEF Control Module Does not exist</p>	<p>Engine and After-treatment system are controlled by the Cummins ECM.</p>	
<p>Engine Oil Level Indicator (dipstick) may require effort to remove and to insert</p>	<p>This is normal for this engine oil level indicator. Compare the effort required to remove the engine oil level indicator with another Cummins-powered Isuzu vehicle to determine if the effort required is excessive.</p>	



<p>The Engine Cooling Fan Clutch (wobble) Runout</p>	<p>The Engine Cooling Fan Clutch may appear to “wobble” or have runout while the engine is running. This may be normal and expected. Compare the fan clutch “wobble” with another Cummins-powered Isuzu vehicle to determine if the wobble is excessive.</p>	
<p>This Model is not equipped with a Separate Exhaust Brake Valve</p>	<p>Exhaust Brake is a function of the Variable Geometry Turbocharger (VGT). Refer to the Cummins Operation and Maintenance Manual for further details.</p>	
<p>Some Models are not equipped with parking pawl</p>	<p>FVR and FVR-D Models DO NOT have a Parking Pawl, and therefore do not have a “Park” shifter selection.</p> <p>FTR Models have a Parking Pawl and a “Park” shifter selection.</p>	
<p>Two Park Brake Indicators</p>		<p>On all models the PARK BRAKE indicator on the instrument panel illuminates when the Park Brake is engaged.</p>
		<p>On FVR models the “Park Brake Not Set” indicator will illuminate in the MID when the Park Brake is not engaged and a cab door is opened. This light will be illuminate even when the engine control switch is in the off position.</p>
<p>Daytime Running Light (DRL) Differences between U.S. and Canadian Models</p>	<p>On U.S. model, DRLs illuminate the lights only on the front of the vehicle.</p> <p>On Canadian model, DRLs illuminate the taillights and the lights on the front of the vehicle.</p>	
<p>Scan Tool Communication</p>	<p>The IDSS Tablet, IDSS MX2, and MX2-TW will communicate with the Cummins engine. Isuzu technicians will be able to retrieve DTCs and read some basic data list parameters. This data is provided to assist you when making Isuzu chassis and wiring related repairs. But, any data resets or calibration changes will need to be performed by a Cummins dealer using the Cummins approved scan tool.</p>	

Vehicle Health Report  
(VHR)

A Vehicle Health Report is available for this model. But the information in the VHR for this model is not as extensive as in the VHRs for Isuzu N-Series diesel engine-equipped vehicles and prior model F-Series vehicles.

## SCAN TOOL COMMUNICATION with 2022MY F-Series with 6.7L Cummins Engine

No.	Description	ECUs	IDSS Interface/Scan Tool
1.	<p>The metal case IDSS MX1 interface will <b>NOT</b> communicate with the 2022MY F-Series engine ECUs.</p>	ECUs	 <p>The image shows a black metal case for the ISUZU IDSS Diagnostic Service System. The top of the case features the ISUZU logo and the text 'IDSS Diagnostic Service System' in a stylized font.</p>
2.	<p>The IDSS Tablet will communicate with all onboard ECUs.</p> <p>The interface cable with double red ends is required for complete communication with all onboard ECUs when using this device.</p>	<p>ECM</p> <p>TCM</p> <p>Mimamori</p> <p>Electronic Brake Control Module (EBCM)</p>	 <p>The image shows the ISUZU IDSS III Tablet, a handheld diagnostic device with a color screen displaying various icons and the 'IDSS III' logo. It has a black carrying handle on top.</p>
3.	<p>The plastic case IDSS MX2 interface will communicate with all onboard ECUs.</p> <p>The interface cable with double red ends is required for complete communication with all onboard</p>	<p>ECM</p> <p>TCM</p> <p>Mimamori</p> <p>Electronic Brake Control Module (EBCM)</p>	 <p>The image shows the ISUZU IDSS MX2 interface, a handheld diagnostic device with a black plastic case and a carrying strap. The top of the device features the ISUZU logo and the text 'IDSS Diagnostic Service System'.</p>

	<p>ECUs when using this device.</p>		
<p>4.</p>	<p>The plastic case IDSS MX2-TW interface will communicate with all onboard ECUs.</p> <p>The interface cable with a blue end is required for complete communication with all onboard ECUs when using this device.</p>	<p>ECM</p> <p>TCM</p> <p>Mimamori</p> <p>Electronic Brake Control Module (EBCM)</p>	 <p>The image shows a black, ruggedized diagnostic interface device. It features a color LCD screen displaying the 'IDSS' logo in red and white, with 'SUZUKI DIAGNOSTIC SERVICE SYSTEM' written below it. The screen also shows several small icons at the bottom, including a power button, a car icon, a truck icon, a right-pointing arrow, and a warning triangle. The device has a textured black plastic case with a latch on the right side.</p>
<p>5.</p>	<p>The DLC interface cable with double red ends is required for complete communication with all onboard ECUs when using 2 and 3 above.</p> <p>Do not use this cable with double red ends w/new IDSS interface module (MX2-TW)</p>	<p>ECM</p> <p>TCM</p> <p>Mimamori</p> <p>Electronic Brake Control Module (EBCM)</p>	 <p>The image shows a coiled black cable with two red connectors. One connector is a large, multi-pin automotive diagnostic connector (likely a DLC), and the other is a smaller, multi-pin connector. The cable is neatly coiled on a light gray surface.</p>

<p>6.</p>	<p>The DLC interface cable with a blue end is required for complete communication with all onboard ECUs when using the MX2-TW device. This cable will not allow MMU communications when used with devices other than the MX2-TW.</p>	<p>ECM TCM Mimamori Electronic Brake Control Module (EBCM)</p>	
<p>7.</p>	<p>IDSS HDOBD Adapter Cable  This adapter is required for complete communication with all onboard ECUs.</p>	<p>ECM TCM Mimamori Electronic Brake Control Module (EBCM)</p>	
<p>9.</p>	<p>IDSS Software will only display existing TCM DTCs. All other TCM data can be retrieved only when using Allison DOC Software. IDSS currently does not support Allison DOC Software.</p>		



This illustration displays two of the cables discussed above to connect to the onboard ECUs.

### IDSS Tablet Connection



This illustration displays two of the cables discussed above to connect to the onboard ECUs.

### IDSS MX2-TW Connection