



Technical Service Bulletin

SUBJECT:			No: TSB-19-00-006
NEW MODEL FEATURES & SERVICE INFORMATION - 2020 ECLIPSE CROSS			DATE: July 2019
			MODEL: 2020 Eclipse Cross
CIRCULATE TO:	<input type="checkbox"/> GENERAL MANAGER	<input checked="" type="checkbox"/> PARTS MANAGER	<input checked="" type="checkbox"/> TECHNICIAN
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input checked="" type="checkbox"/> WARRANTY PROCESSOR	<input checked="" type="checkbox"/> SALES MANAGER

PURPOSE



This bulletin contains important new model service information and features for the **2020** Eclipse Cross (U.S. models only). Review the details that follow to familiarize yourself regarding new features and options. Refer to the 2020 Eclipse Cross Service Manual on MEDIC, MDL, or CD (p/n MSCD-020B-2020), and the Owner's Manual for details on these and other features.

AFFECTED VEHICLES

2020 Eclipse Cross

U.S. MODEL LINEUP

MODEL	ENGINE	TRANSMISSION
ES (2WD)	4B40 TC 1.5L MIVEC + Direct Injection Turbo Charger, 4 cylinder (L4)	F1CJC, CVT w/8-speed Sport Mode
LE (2WD)		
SE (2WD)		
SEL (2WD)		
ES (S-AWC)		W1CJC, CVT w/8-speed Sport Mode
LE (S-AWC)		
SE (S-AWC)		
SEL (S-AWC)		

SERVICE INFORMATION

See TSB-19-00-007 for Technical Specifications on the 2020 Eclipse Cross.

NEW FEATURE HIGHLIGHTS

NOTE: 2020 Eclipse Cross is carried over from the 2019 model year with some minor changes.

<u>EXTERIOR</u>	<u>COMMENTS</u>
"MITSUBISHI" badge eliminated from rear of vehicles	All 2020 Mitsubishi vehicles, including Eclipse Cross
New 16-inch alloy wheel	Standard on all ES (2WD and S-AWC)
Panoramic sunroof and roof rails	Optional package on SE

<u>INTERIOR</u>	<u>COMMENTS</u>
Heated front seats	Standard on LE
Black headliner and pillars	Standard on SEL

<u>TRANSMISSION/DRIVE SYSTEM</u>	<u>COMMENTS</u>
2WD	Now available for all models (previously only for ES)

<u>ENGINE</u>	<u>COMMENTS</u>
New Engine ECU	Newly adopted for all 2020 Eclipse Cross

<u>SAFETY & SECURITY</u>	<u>COMMENTS</u>
Forward Collision Mitigation (FCM) w/ Pedestrian Detection, Lane Departure Warning (LDW), Automatic High Beam (AHB)	Standard on SE and SEL
Active Yaw Control (AYC) brake control technology	Standard on all 2WD trims (ES, LE, SE, SEL)

<u>CONVENIENCE</u>	<u>COMMENTS</u>
Firmware Over The Air (FOTA) updates for Mitsubishi Connect	Standard on SE and SEL
Vehicle Status Report added to My Mitsubishi Connect app	Standard on SE and SEL

EXTERIOR



MITSUBISHI Badge

New for all 2020 Mitsubishi vehicles the "MITSUBISHI" badge has been eliminated from the rear of all models. Instead, the model name appears on the left, and the trim name (LE, SE, SEL) is shown on the right side.



New 16-inch Wheel Design

New for all 2020 ES (2WD and S-AWC models), the silver painted 16-inch wheel has been replaced with a new design - a two-tone alloy wheel with a machine finish and black accents.

NOTE: Photo is for reference only and may not be accurate for U.S. Models.



Panoramic Sunroof Package with Roof Rails

A Panoramic Sunroof Package with power panoramic sunroof and roof rails is now available for SE models (previously only offered with the SEL S-AWC Touring Package).

INTERIOR

Heated Front Seats

Front seat heaters are now standard on LE (previously standard only on SE and SEL models).



Black Headliner and Pillars

Now standard on SEL models are black headliner and pillars.

TRANSMISSION / DRIVE SYSTEM

2WD available on all models

Previously only available on ES models, all models may now be ordered with 2WD.

ENGINE

New Engine ECU Adoption

A new engine ECU has been adopted for 2020 model year Eclipse Cross, with changes and additions for improved diagnostics.

- DTC U1F61 (Battery current sensor coding error) added
- Drive cycle pattern increased:
 - 5 drive cycle pattern (2019MY) increased to
 - 18 drive cycle pattern (2020MY)
- There are some drive cycle patterns that are now separated into "Pattern for Trouble Check" and "Pattern for Erasing Permanent DTC."

Drive Cycle Pattern Increased

2019 Example			2020 Example			
MONITOR ITEM	DIAGNOSTIC TROUBLE CODE (DTC)	PATTERN		PATTERN FOR TROUBLE CHECK	PATTERN FOR ERASING PERMANENT DTC	
Variable valve timing system (MIVEC) monitor <Readiness test item>	P0011, P0014	3	➔	Linear air-fuel ratio sensor heater monitor <Readiness test item>		10
Engine coolant temperature/intake air temperature correlation	P011B			Barometric pressure sensor monitor	P2228, P2229	
Fuel injection system monitor	P0129B			Evaporative emission purge system monitor	P0441	
Fuel tank temperature sensor monitor	P0181			Fuel rail pressure control system monitor	P0087	
Low speed pre-ignition monitor	P1310			Heated oxygen sensor (rear) monitor	P0137	
Variable valve timing system (MIVEC) monitor	P0010, P0013			Idle speed control system monitor	P0506, P0507	
Evaporative emission system leak monitor (gross leak) <Readiness test item>	P0455	4		Linear air-fuel ratio sensor monitor	P0130, P0134, P2237, P2243, P2251	
Evaporative emission system leak monitor (small leak) <Readiness test item>	P0442			Variable valve timing system (MIVEC) monitor	P0016, P0017	11
				Fuel tank differential pressure sensor monitor	P0453	12

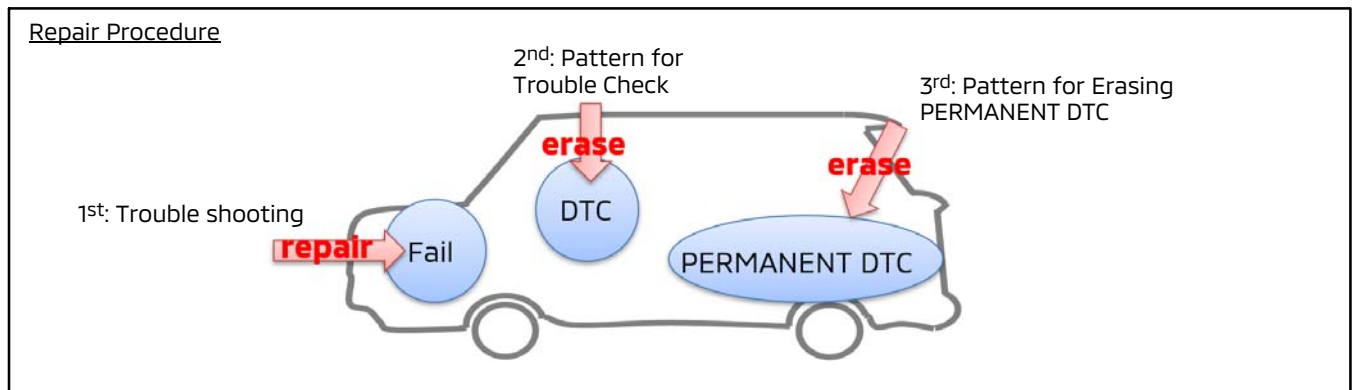
Details of new engine ECU:

When a fault is detected on fuel injection components, the vehicle has a **DTC** and a **PERMANENT DTC**.

- **DTC** is erased by "trouble shooting" and "Pattern for Trouble Check."
- **PERMANENT DTC** is erased by "Pattern for Erasing Permanent DTC."

Repair Procedure:

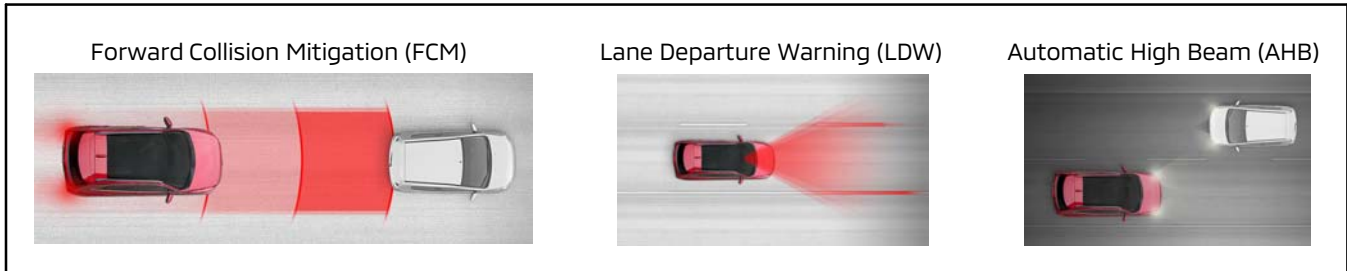
1. Trouble shooting by the technician.
2. Erasing **DTC** by driving of "Pattern for Trouble Check."
3. Erasing **PERMANENT DTC** by driving of "Pattern for Erasing Permanent DTC."



SAFETY & SECURITY

FCM / LDW / AHB

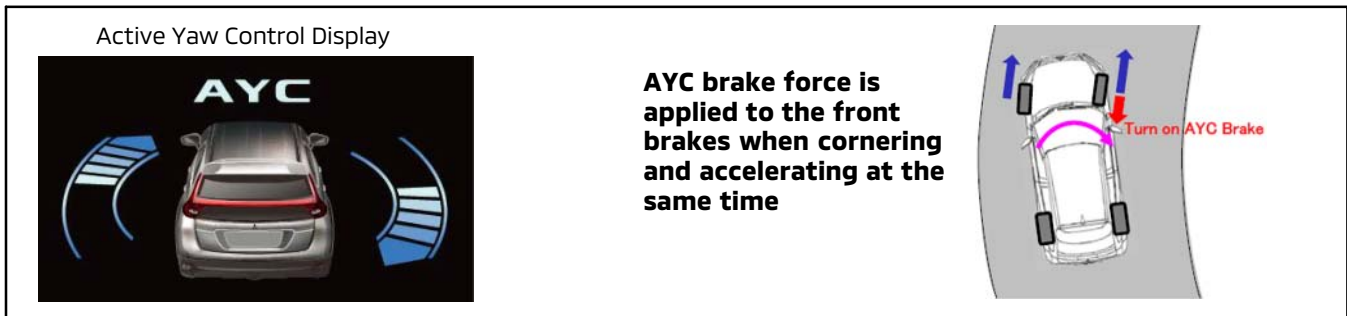
For added safety, Forward Collision Mitigation (FCM) w/ Pedestrian Detection, Lane Departure Warning (LDW), and Automatic High Beam (AHB) systems are now standard equipment on SE and SEL (previously available with SEL Touring Package).



For 2020 Eclipse Cross, Forward Collision Mitigation with High Speed Braking Capability (FCM-HSB) and Pedestrian Detection, and Adaptive Cruise Control (ACC) are available for SEL models with the SEL Touring Package.

Active Yaw Control (AYC)

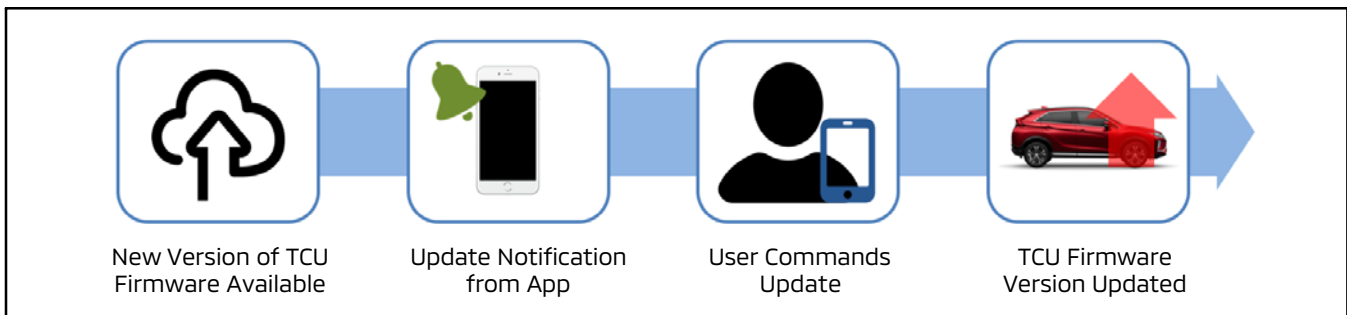
All 2WD models now have the Active Yaw Control (AYC) brake control technology for enhanced cornering performance and driving confidence.



CONVENIENCE

Firmware Over The Air (FOTA) Updates for Mitsubishi Connect

The Telematics Control Unit (TCU) firmware can now be updated by the user through notification on the "My Mitsubishi Connect" app. Mitsubishi Connect comes standard on SE and SEL and includes a 2-year trial subscription to Safeguard and Remote services (refer to TSB-18-00-001 for a brief description of these services). Enrollment in the My Mitsubishi Connect app is required for this feature.



CONVENIENCE (continued)

Vehicle Status Report Features Added to My Mitsubishi Connect App

The "My Mitsubishi Connect" app can now provide vehicle status to customers in real time on their smartphone. These status reports can also be viewed on the owner's portal on mitsubishicars.com.

Vehicle Status Report on My Mitsubishi Connect*

The screenshots illustrate the following features:

- Vehicle Status Overview:** A top-down view of a blue car with the text "VEHICLE STATUS NO ISSUES • SEE DETAILS".
- Vehicle Overview:** A screen titled "VEHICLE STATUS" showing "Vehicle Overview" with metrics for Odometer (73 Miles) and Interior Temperature (19.0 °C).
- Vehicle Status Details:** A screen titled "VEHICLE STATUS" showing various status indicators: Vehicle Speed (0 MPH), IG Status (Ignition On), Engine Oil Pressure (Good Level), Time To Service (5 Months), Washer Fluid Warning (Good Level), and Available Range (110 Miles).
- Manage Vehicles:** A screen titled "MANAGE VEHICLES" showing a white Mitsubishi Eclipse Cross with options for Parental Controls, Shop Front, and Firmware Update.
- Firmware Update:** A screen titled "FIRMWARE UPDATE" showing the model (Eclipse Cross), update number (n.lo.3.71\vf.0.9), status (Unknown), and description (Initial TCU software version).

* Examples shown are for reference only, and may not be accurate for U.S. models.

FACTORY OPTION PACKAGES

PANORAMIC SUNROOF PACKAGE - 2020 Eclipse Cross - SE (2WD & S-AWC)

- Dual-pane power panoramic sunroof
- Black roof rails

TOURING PACKAGE - 2020 Eclipse Cross - SEL (2WD & S-AWC)

- Dual-pane power panoramic sunroof
- Black roof rails
- Auto-dimming rear view mirror with Homelink®
- Heated steering wheel
- Heated rear seats
- 710-Watt, 9 speaker Rockford-Fosgate® Premium Audio System
- Forward Collision Mitigation with High Speed Braking capability (FCM-HSB) with Pedestrian Detection
- Adaptive Cruise Control (ACC) system

PORT OPTION PACKAGES

EXTERIOR PACKAGE - 2020 Eclipse Cross - All Trim Levels

- Front and rear corner extensions and side extensions

TOWING PACKAGE - 2020 Eclipse Cross - All Trim Levels

- Tow hitch
- Trailer tow wire harness

LED ILLUMINATION PACKAGE - 2020 Eclipse Cross - All Trim Levels

- Floor illumination (blue)
- LED room light
- Map light
- Liftgate light (blue)
- Cargo light

CARGO PACKAGE - 2020 Eclipse Cross - All Trim Levels

- Cargo mat
- Cargo net

GARNISH PACKAGE - 2020 Eclipse Cross - All Trim Levels

- Front garnish
- Rear garnish

ALL WEATHER PACKAGE - 2020 Eclipse Cross - All Trim Levels

- Cargo tray
- All-weather floor mats (4)

ROOF RAILS & CROSSBARS - 2020 Eclipse Cross - All Trim Levels (except SEL w/Touring Package)

- Roof rails
- Roof rack crossbars

POPULAR EQUIPMENT VALUE PACKAGE - 2020 Eclipse Cross - All Trim Levels

- Black lug nuts and wheel locks
- Rear bumper step protector
- Liftgate garnish
- Cargo mat
- Cargo net

PORT OPTION PACKAGES (continued)

PROTECTION & ALL WEATHER VALUE PACKAGE - 2020 Eclipse Cross - All Trim Levels

- Wheel locks
- Hood protector
- Front and rear mudguards
- All-weather floor mats (4)
- Cargo tray

CHROME VALUE PACKAGE - 2020 Eclipse Cross - ES, SE, SEL

- Chrome door handle covers
- Bright lower door molding
- Chrome side view mirror covers
- Liftgate garnish

BLACK VALUE PACKAGE - 2020 Eclipse Cross - All Trim Levels

- Black hood badge
- Door sill scuff plates
- Black lug nuts and wheel locks

ACCESSORY OPTIONS (U.S. Models)

The following port and/or dealer installed accessories are available for 2020 Eclipse Cross.

- Rear park assist sensors
- Roof spoiler
- Hood protector
- Hood badge
- Tonneau cover (ES only)
- Wheel locks
- Front and rear mudguards
- All-weather floor mats (4)
- Roof rails
- Roof rack crossbars
- Black lug nuts and wheel locks
- Carbon grille

STANDARD ADDITIONAL EQUIPMENT (U.S. Models)

- Tonneau cover (LE, SE, SEL)
- Carpeted floor mats and portfolio

WARRANTY	
U.S. and Puerto Rico	Canada
● Basic - 5 years or 60,000 miles	● Basic - 5 years or 100,000 km
● Powertrain - 10 years or 100,000 miles (original retail purchaser only). 5 years or 60,000 miles to subsequent owners.	● Powertrain - 10 years or 160,000 km
● Outer Panel Rust Perforation - 7 years or 100,000 miles	● Rust Perforation - 5 years with unlimited km
● Adjustments - 1 year or 12,000 miles	● Adjustments - 1 year or 20,000 km
● Roadside Assistance - 5 years / unlimited miles	● Roadside Assistance - 5 years/unlimited km
● Emissions - Refer to the Warranty and Maintenance Manual for coverage details.	