

SUBJECT:

# Technical Service Bulletin

ECM REPLACEMENT PROCEDURE

- SERVICE MANUAL REVISION

TSB-22-13-003

DATE: JULY 2022

MODEL: 2022 OUTLANDER

 CIRCULATE TO:
 [ ] GENERAL MANAGER
 [ X ] PARTS MANAGER
 [ X ] TECHNICIAN

 [ X ] SERVICE ADVISOR
 [ X ] SERVICE MANAGER
 [ X ] WARRANTY PROCESSOR
 [ ] SALES MANAGER

#### **PURPOSE**

This TSB provides description correction for the Engine section of the Outlander Service Manual.

#### AFFECTED VEHICLES

2022 Outlander

### **AFFECTED SERVICE MANUAL**

• 2022 Outlander - Group 13 - Engine



Please replace the following pages in the 2022 Outlander Service Manual, Group 13 - Engine section as follows:

 2022 Outlander Service Manual, Group 13 - Engine -> Engine Control System -> Additional Service When Replacing ECM

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#### **ENGINE CONTROL SYSTEM**

#### ADDITIONAL SERVICE WHEN REPLACING ECM

#### **Description**

When replacing ECM, the following procedure must be performed. (For details, refer to ADDITIONAL SERVICE WHEN REPLACING ECM.)

#### CAUTION

When replacing the ECM, always replace it with a new one. The functions controlled by the ECM does not operate properly in case of reuse of the ECM from another vehicle.

#### PROGRAMMING OPERATION

#### CAUTION

When replacing the ECM, a new ECM must be used. The functions controlled by the ECM do not operate properly if a ECM from another vehicle is used.



After replacing with a blank ECM, programming is required to write ECM information. Be sure to follow the procedure to perform the programming.

#### **Work Procedure**

#### **Before Replacing ECM**

#### 19. SAVE ECM DATA



- 1. Turn ignition switch OFF.
- 2. Reconnect all harness connectors disconnected.
- 3. Turn ignition switch ON.
- 4. Select "SAVING DATA FOR REPLC CPU" in "WORK SUPPORT" mode of "ENGINE" using M.U.T.-III SE.
- 5. Follow the instruction of M.U.T.-III SE display.

#### NOTE:

- Necessary data in ECM is copied and saved to M.U.T.-III SE.
- Go to Step 2 regardless of with or without success in saving data.

With remote engine start function >>

GO TO 2

Without remote engine start function >>

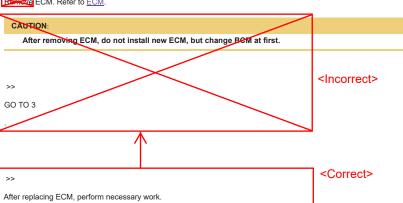
- Replace ECM.
- After replacing ECM, perform necessary work.

  REPLACE

  20. Replace

  Replace

Remove ECM. Refer to ECM.



## **ENGINE CONTROL SYSTEM**



#### After Replacing ECM

#### 23. PERFORM ECM PROGRAMMING



Perform ECM programming according to the procedure of "Programming" in M.U.T.-III SE Operation Manual. Refer to M.U.T.-III SE Operation Manual.

During programming, maintain the following conditions:

- Ignition switch: ON
- Electric load: OFF
- Brake pedal: Not depressed
- Battery voltage: 12 13.5 V (Check the value displayed on the M.U.T.-III SE screen.)

With remote engine start function >>

GO TO 2

Without remote engine start function >>

GO TO 3

#### 24. PERFORM IGNITION SWITCH OPERATION

- 1. Turn ignition switch OFF.
- 2. Turn ignition switch ON.

>>

GO TO 3

# 25. PERFORM INITIALIZATION OF NATS SYSTEM AND REGISTRATION OF ALL NATS IGNITION KEY IDS

Refer to ADDITIONAL SERVICE WHEN REPLACING ECM.

GO TO 4