



Technical Service Bulletin

GROUP

FUEL SYSTEM

NUMBER

20-FL-006H-1

DATE

JULY 2020

MODEL(S)

**Kona (OS) 2.0L
Veloster (JS) 2.0L**

SUBJECT: ECM UPDATE FOR KONA/VELOSTER 2.0L P030X MISFIRE

(This bulletin has been revised to remove 2020MY Kona from applicable vehicles)

Description:

This bulletin provides information related to the Engine Control Module (ECM) software logic update for DTC P0300-P0304 Misfire. This update addresses the intermittent misfire that may only occur at cold engine warmup.

Applicable Vehicle:

- 2018-2019 Kona (OS) with 2.0L GDI engine.
- 2019 Veloster (JS) with 2.0L GDI engine.

GDS Information:

System Selection: **Engine (ECM)**

Event #	Description
597*	OS 2.0 MPI P030X DTC IMPROVEMENT
598*	JS 2.0 MPI P030X DTC IMPROVEMENT

*or any later updated event that comes up.

Warranty Information:

Model	Op Code	Operation	Op Time	Causal Part	Nature Code	Causal Code
Kona (OS) Veloster(JS)	39171F07	ECM UPGRADE	0.3 M/H	39171-2ES** (OS) 39173-2ES** (OS) 39171-2EJ** (JS) 39173-2EJ** (JS) 39175-2EJ** (JS) 39177-2EJ** (JS)	I3T	ZZ3

**Refer to applicable parts catalog for full ECM causal part numbers.

NOTICE

You must initially perform the GDS ECU Update in Auto Mode.

- If the ECU Update starts but then fails in Auto Mode, perform the update in Manual Mode to recover.

! WARNING**GDS Vehicle Battery Voltage Warning:**

If voltage is below 12 volts as per the below GDS warning, then select **Back** and operate the vehicle in Ready mode for at least 20 minutes to ensure an adequate battery state of charge for reliable update results. Turn ignition back on, and then retry the ECU update again.

**Service Procedure:**

1. Perform GDS software update:
 - Refer to TSB **15-GI-001** for the detailed tablet-based Mobile GDS ECU update procedures.
 - Refer to TSB **15-GI-002** for the detailed PC-based GDS ECU update procedures.
2. Check for Diagnostic Trouble Codes in the **ALL** menus and erase any DTC.
3. Confirm normal vehicle operation.

ROM ID Table:

597.OS 2.0 MPI P030X DTC IMPROVEMENT:

VEHICLE					IMMO	ECU P/N	ROM ID	
							OLD	NEW
Kona (OS)	2.0L	18MY	6AT	ULEV	+IMMO	39171-2ESE0	OS8UPAAS690A OS8UPAAS69AA OS8UPAAS69BA OS8UPAAF69EA	OS8UPAAF69EB
				ULEV	+IMMO	39171-2ESJ0	OS8UPBAS690A OS8UPBAS69AA OS8UPBAS69BA OS8UPBAF69EA	OS8UPBAF69EB
				ULEV	-IMMO	39173-2ESE0	OS8UPAUS690A OS8UPAUS69AA OS8UPAUS69BA OS8UPAUF69EA	OS8UPAUF69EB
				ULEV	-IMMO	39173-2ESJ0	OS8UPBUS690A OS8UPBUS69AA OS8UPBUS69BA OS8UPBUF69EA	OS8UPBUF69EB
		19MY	6AT	ULEV	+IMMO	39171-2ESE1	OS9UPAAS694A OS9UPAAS695A	OS9UPAAF698A
				ULEV	+IMMO	39171-2ESJ1	OS9UPBAS694A OS9UPBAS695A	OS9UPBAF698A
				ULEV	-IMMO	39173-2ESE1	OS9UPAUS694A OS9UPAUS695A	OS9UPAUF698A
				ULEV	-IMMO	39173-2ESJ1	OS9UPBUS694A OS9UPBUS695A	OS9UPBUF698A

598.JS 2.0 MPI P030X DTC IMPROVEMENT:

VEHICLE					IMMO	ECU P/N	ROM ID	
							OLD	NEW
Veloster (JS)	2.0L	19MY	6MT	ULEV	+IMMO	39175-2EJW0	JS9UP2CS69CA JS9UP2CS69DA JS9UP2CS69DB JS9UP2CF69EA	JS9UP2CF69EB
				ULEV	-IMMO	39177-2EJW0	JS9UP2VS69CA JS9UP2VS69DA JS9UP2VS69DB JS9UP2VF69EA	JS9UP2VF69EB
			6AT	ULEV	+IMMO	39171-2EJW0	JS9UP2AS69CA JS9UP2AS69DA JS9UP2AS69DB JS9UP2AF69EA	JS9UP2AF69EB
				ULEV	-IMMO	39173-2EJW0	JS9UP2US69CA JS9UP2US69DA JS9UP2US69DB JS9UP2UF69EA	JS9UP2UF69EB

NOTE: -IMMO=Key start, +IMMO=SSB

Manual Mode Password:

597.OS 2.0 MPI P030X DTC IMPROVEMENT:

MENU	PASSWORD
OS 2.0 MPI 6AT -IMMO 39173-2ESE0	7320
OS 2.0 MPI 6AT -IMMO 39173-2ESJ0	7321
OS 2.0 MPI 6AT -IMMO 39173-2ESE1	7322
OS 2.0 MPI 6AT -IMMO 39173-2ESJ1	7323
OS 2.0 MPI 6AT +IMMO 39171-2ESE0	7120
OS 2.0 MPI 6AT +IMMO 39171-2ESJ0	7121
OS 2.0 MPI 6AT +IMMO 39171-2ESE1	7122
OS 2.0 MPI 6AT +IMMO 39171-2ESJ1	7123

598.JS 2.0 MPI P030X DTC IMPROVEMENT:

MENU	PASSWORD
JS 2.0 MPI 6MT -IMMO 39177-2EJW0	7720
JS 2.0 MPI 6AT -IMMO 39173-2EJW0	7320
JS 2.0 MPI 6MT +IMMO 39175-2EJW0	7520
JS 2.0 MPI 6AT +IMMO 39171-2EJW0	7120

NOTE: -IMMO=Key start, +IMMO=SSB