



GROUP  
TRA

MODEL  
2019-2020MY  
Niro (DE HEV/PHEV)

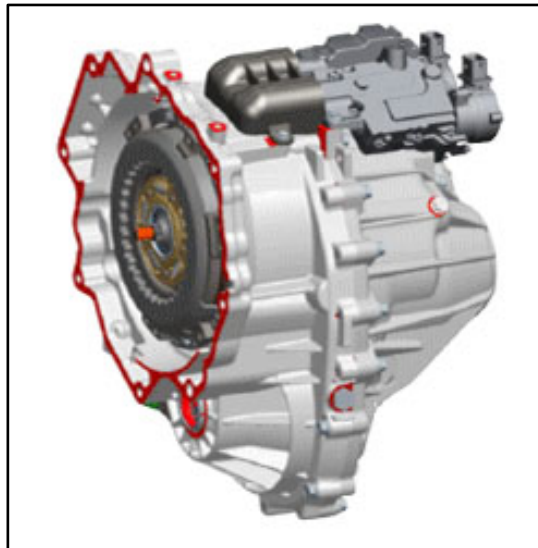
NUMBER  
093

DATE  
February 2021

## TECHNICAL SERVICE BULLETIN

**SUBJECT: 6-SPEED DCT SHIFT IMPACT/NOISE INSPECTION  
AND OIL REPLACEMENT**

This bulletin provides the inspection method and procedure on some 2019-2020MY Niro (DE HEV/PHEV) vehicles equipped with 6-speed Dual Clutch Transmission (DCT), produced after January 11, 2019, which may exhibit an intermittent noise and/or shift impact. The shift impact may be a noticeable “shift shock”, “clunk”, or other abnormal symptom felt when the vehicle starts after a complete stop. Follow the procedure outlined in this publication to inspect and if necessary replace the transmission oil.



Printed TSB copy is for reference only; information may be updated at any time.  
Always refer to KGIS for the latest information.

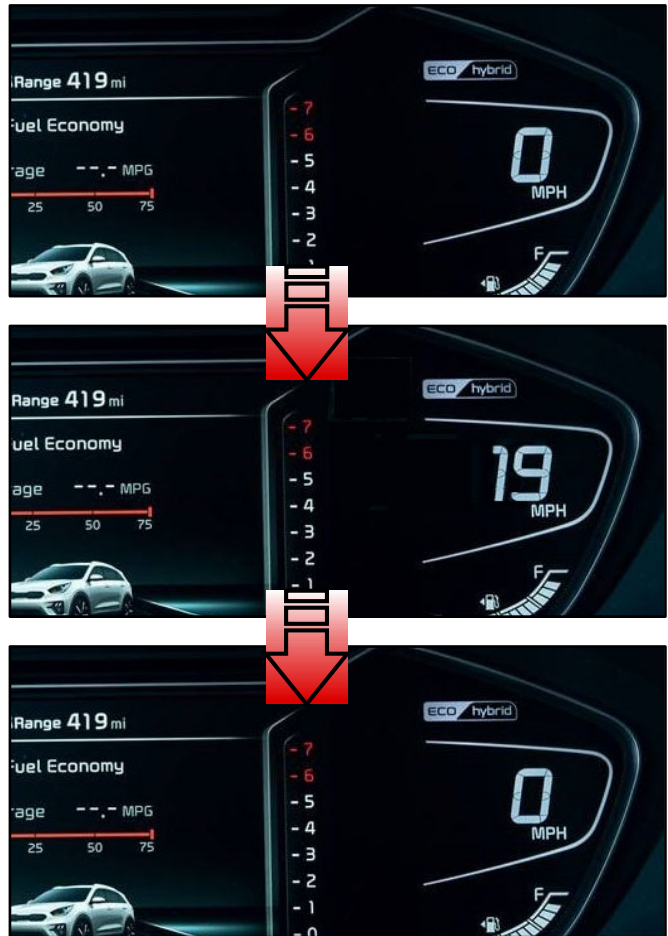
Circulate To:  General Manager  Service Manager  Parts Manager  
 Service Advisors  Technicians  Body Shop Manager  Fleet Repair

**Transmission Noise & Impact Inspection Procedure:**

1. With the vehicle fully stopped, press the accelerator pedal (over 60% of Accelerator Position Sensor [APS]) to 19MPH, then decelerate to 0MPH.

**\* NOTICE**

- Perform this step more than **25 times**, checking for DCT noise and shift impact **each time** when accelerating.
- Conduct the inspection on roads or other areas with no traffic, or as little traffic as possible.



- 2a. If there is no noise or shift impact detected, use KDS to check for DTC(s). No further work is necessary.
- 2b. If any noise or a noticeable shift “shock”, “clunk” or other abnormal symptom is present, proceed with the ‘DCT Oil Replacement’ outlined on page 3.

SUBJECT:

## 6-SPEED DCT SHIFT IMPACT/NOISE INSPECTION AND OIL REPLACEMENT

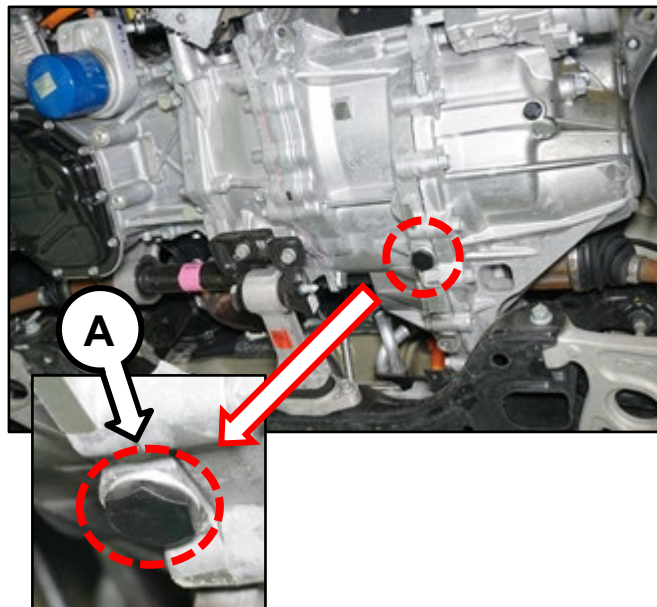
### DCT Oil Replacement:

1. Raise the vehicle on a lift.
2. Remove the undercover.
- 3a. Loosen the oil drain plug (A), drain the oil, then reinstall the drain plug.
- 3b. Replace the oil by referring to the "DCT (Double Clutch Transmission) System → DCT (Double Clutch Transmission) System → Transmission Gear Oil → Repair procedures → Replacement" chapter in the applicable Shop Manual on KGIS.

#### \* NOTICE

Replace the plug washer with a new one.

**Tightening Torque:**  
32.5 – 43.4 lb.ft (44.1 – 58.8 N.m,  
4.5 – 6.0 kgf.m)



4. Inject TGO-9 oil\* through the filler hole (B).

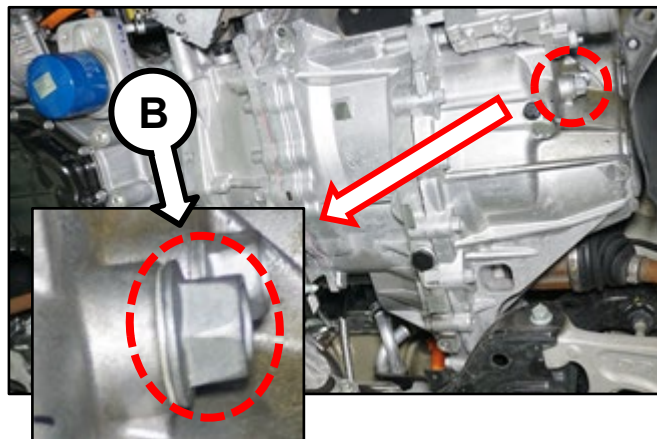
\*Specified in the parts table on page 5.

**Required amount: 1.6 - 1.7 L**

**Tightening Torque:**  
43.4 – 57.8 lb.ft (58.9 – 78.5 N.m,  
6.0 – 8.0 kgf.m)

#### \* NOTICE

Be careful not to let foreign substances into the filler hole.



SUBJECT:

## 6-SPEED DCT SHIFT IMPACT/NOISE INSPECTION AND OIL REPLACEMENT

- 5a. Assemble the parts in reverse order of disassembly.
- 5b. Recheck for any noise and shift impact, at least 10 times, to ensure proper operation.
6. Using KDS erase any DTCs stored if applicable.



SUBJECT:

## 6-SPEED DCT SHIFT IMPACT/NOISE INSPECTION AND OIL REPLACEMENT

AFFECTED VEHICLE RANGE:

Model	Production Date Range
Niro (DE HEV/PHEV)	After January 11, 2019

REQUIRED PART:

Part Name	Part Number	Figure	Qty.
6DCT Oil (TGO-9)	UM020 CH240		2
Drain Plug Washer (Thickness: 1.5T)	45323 39000		1
Fill Plug Washer	17511 16000		1

WARRANTY INFORMATION:

**N Code: Q55 C Code: ZZ5**

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W	43115 2B001	0	Transmission Impact and Noise Inspection	43000F01	0.4 M/H	N/A	N/A
			Transmission Impact, Noise Inspection and DCT Oil Replacement	43000F02	0.6 M/H	UM020 CH240	2
						45323 39000	1
						17511 16000	

