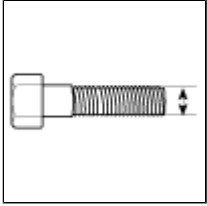
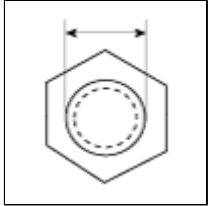
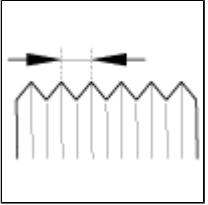
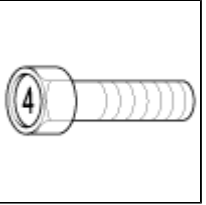
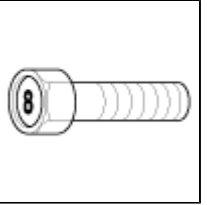
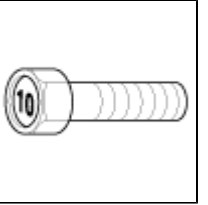
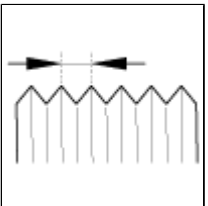
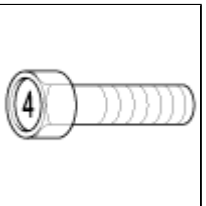
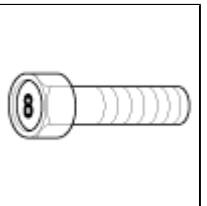
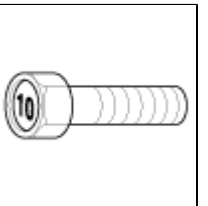


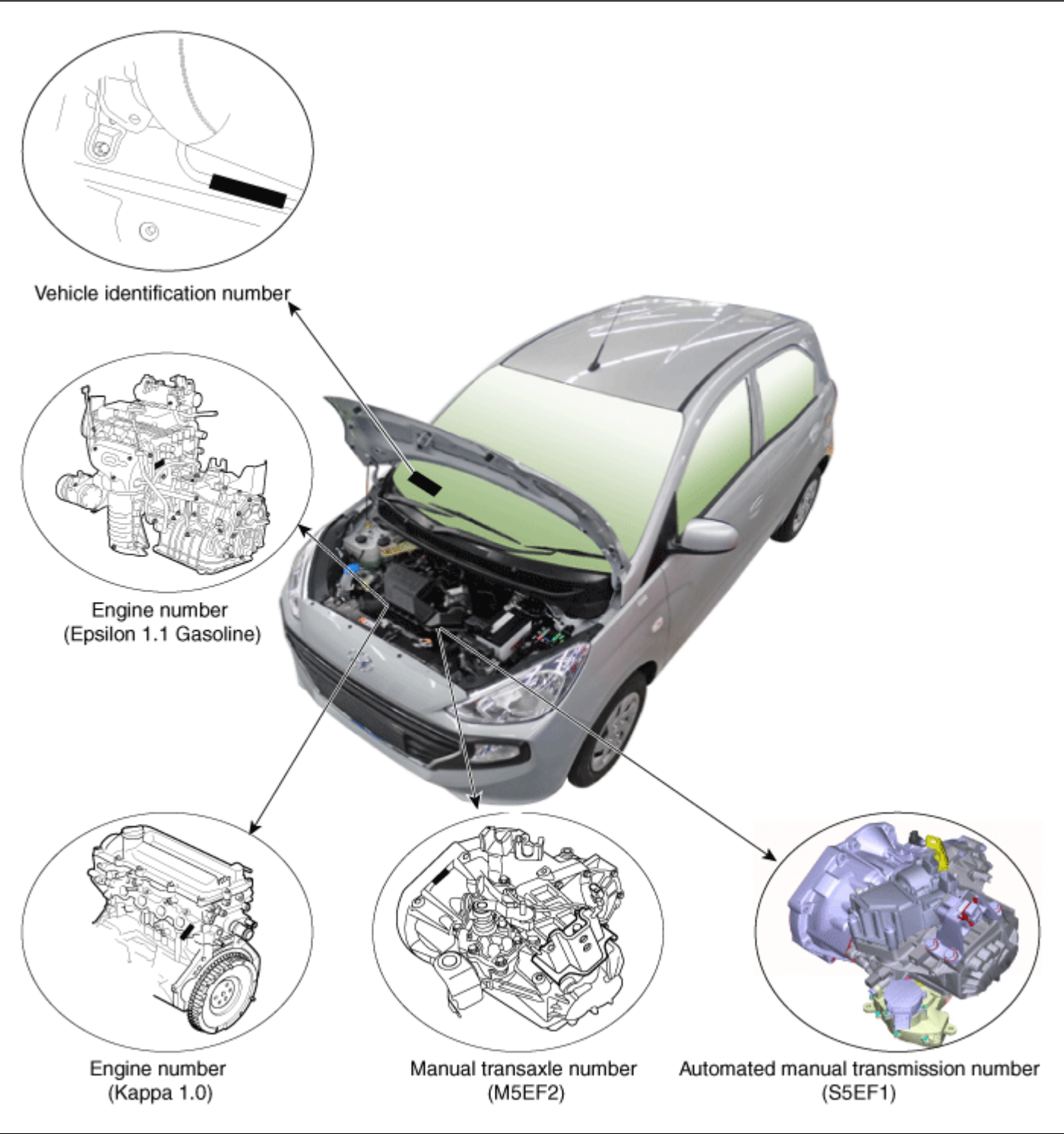
Tightening Torque Table of Standard Parts

BOLT (Nominal diameter)	NUT (Nominal diameter)
	

BOLT/NUT Normal screw		Torque Nm (kg.m, lb-ft)		
Nominal diameter. (mm)	Pitch [mm (in.)]	4T	8T	10T
				
M5	0.8 (0.031)	2.0 - 3.0 (0.2 - 0.3, 1.4 - 2.2)	4.9 - 6.9 (0.5 - 0.7, 3.6 - 5.1)	7.8 - 10.8 (0.8 - 1.1, 5.8 - 8.0)
M6	1 (0.039)	2.9 - 4.9 (0.3 - 0.5, 2.2 - 3.6)	8.8 - 12.7 (0.9 - 1.3, 6.5 - 9.4)	13.7 - 18.6 (1.4 - 1.9, 10.1 - 13.7)
M8	1.25 (0.049)	8.8 - 11.8 (0.9 - 1.2, 6.5 - 8.7)	22.6 - 30.4 (2.3 - 3.1, 16.6 - 22.4)	33.3 - 44.1 (3.4 - 4.5, 24.6 - 32.5)
M10	1.5 (0.059)	16.7 - 22.6 (1.7 - 2.3, 12.3 - 16.6)	45.1 - 60.8 (4.6 - 6.2, 33.3 - 44.8)	65.7 - 88.3 (6.7 - 9.0, 48.5 - 65.1)
M12	1.75 (0.068)	29.4 - 39.2 (3.0 - 4.0, 21.7 - 28.9)	78.5 - 105.9 (8.0 - 10.8, 57.9 - 78.1)	114.7 - 154.9 (11.7 - 15.8, 84.6 - 114.3)
M14	2 (0.078)	47.1 - 63.7 (4.8 - 6.5, 34.7 - 47.0)	125.5 - 169.7 (12.8 - 17.3, 92.6 - 125.1)	183.4 - 249.1 (18.7 - 25.4, 135.3 - 183.7)
M16	2 (0.078)	73.5 - 100.0 (7.5 - 10.2, 54.2 - 73.8)	197.1 - 266.7 (20.1 - 27.2, 145.4 - 196.7)	288.3 - 390.3 (29.4 - 39.8, 212.7 - 287.9)
M20	2.5 (0.098)	144.2 - 195.2 (14.7 - 19.9, 106.3 - 143.9)	396.2 - 535.4 (40.4 - 54.6, 292.2 - 394.9)	565.8 - 764.9 (57.7 - 78.0, 417.3 - 564.2)
M24	3 (0.118)	249.1 - 337.3 (25.4 - 34.4, 183.7 - 248.8)	687.4 - 929.7 (70.1 - 94.8, 507.0 - 685.7)	975.8 - 1320.0 (99.5 - 134.6, 719.7 - 973.6)
M30	3.5 (0.137)	499.2 - 674.7 (50.9 - 68.8, 368.2 - 497.6)	1372.9 - 1858.4 (140.0 - 189.5, 1012.6 - 1370.7)	1956.4 - 2647.8 (199.5 - 270.0, 1443.0 - 1952.9)

BOLT/NUT Thin screw		Torque Nm (kg.m, lb-ft)		
Nominal diameter. (mm)	Pitch [mm (in.)]	4T	8T	10T
				
M5	0.5 (0.019)	2.0 - 3.0 (0.2 - 0.3, 1.4 - 2.2)	5.9 - 8.8 (0.6 - 0.9, 4.3 - 6.5)	8.8 - 12.7 (0.9 - 1.3, 6.5 - 9.4)

Identification Number



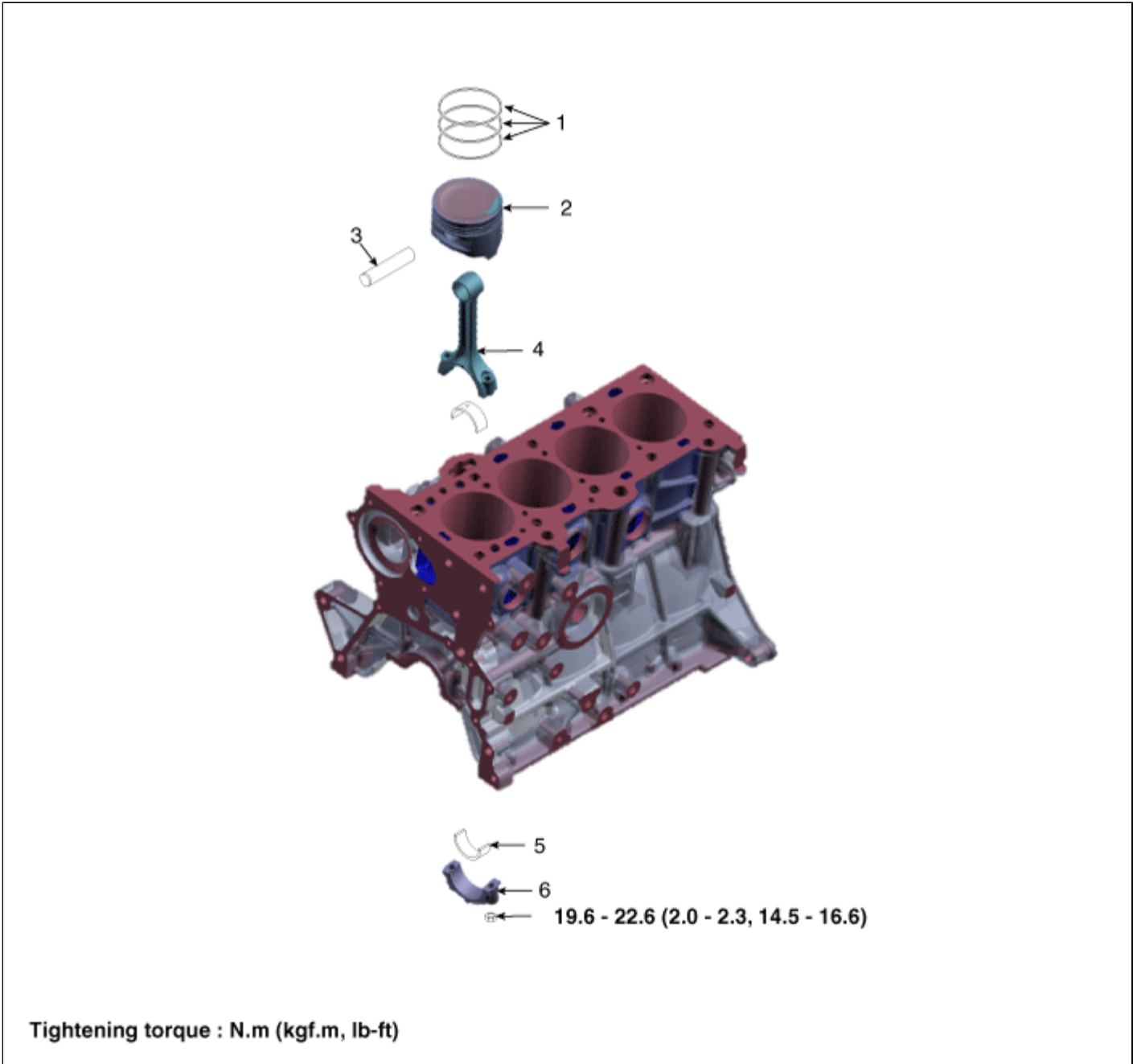
Identification Number Description

Vehicle Identification Number

M	A	L	A	M	5	1	C	B	B	M	000001
1	2	3	4	5	6	7	8	9			10

- 1. World Manufacturer Identifier (WMI)
MAL : Passenger vehicle or MPV (Multipurpose Passenger Vehicle) / SUV (Sports Utility Vehicle) / RV (Recreational Vehicle)
- 2. Vehicle line

Components



1. Piston ring
2. Piston
3. Piston pin
4. Connecting rod
5. Connecting rod bearing
6. 4. Connecting rod cap

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Please rate the above contents on a scale of 1 to 5.

Little Value

1

2

3

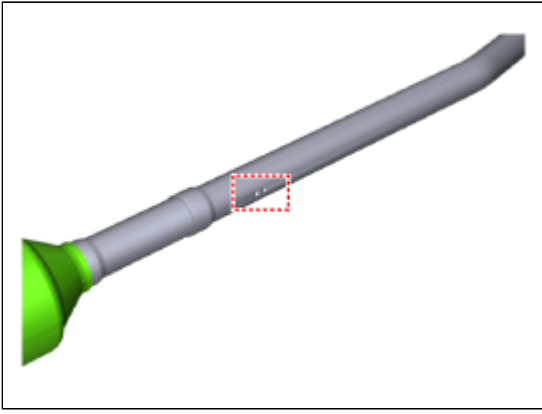
4

5

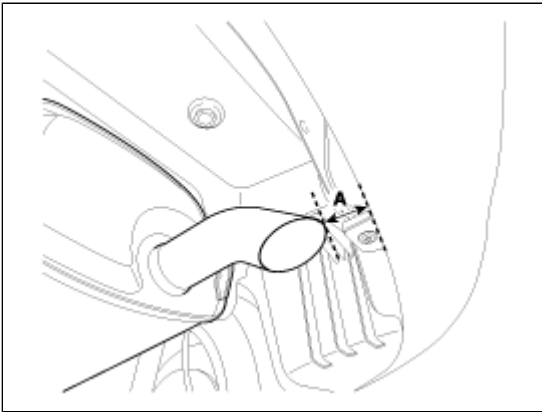
Excellent Value

Replacing procedures of rear muffler using clamp

1. Check that the clamping part of the muffler is damaged or deformed.



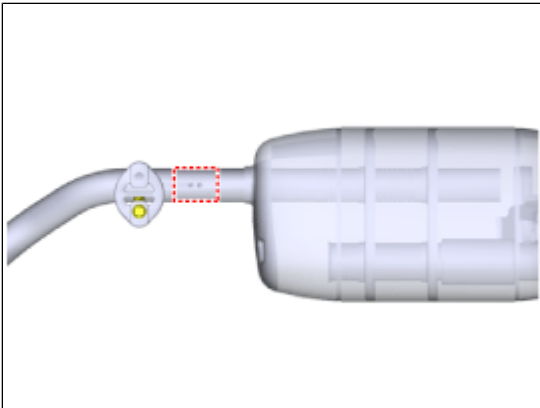
2. Record the gap (A) between the tail pipe and the rear bumper.



3. Cut the front muffler and center muffler as the indicated below.

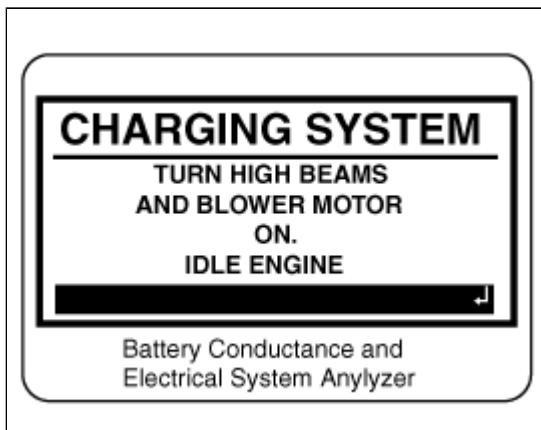
NOTICE

Cut the part where the clamp is to be tightened while the muffler is installed in the vehicle.
- Cut the muffler pipe marked with the rear dent.

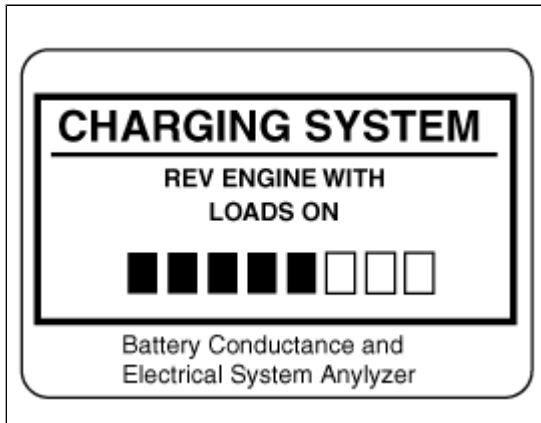


Information

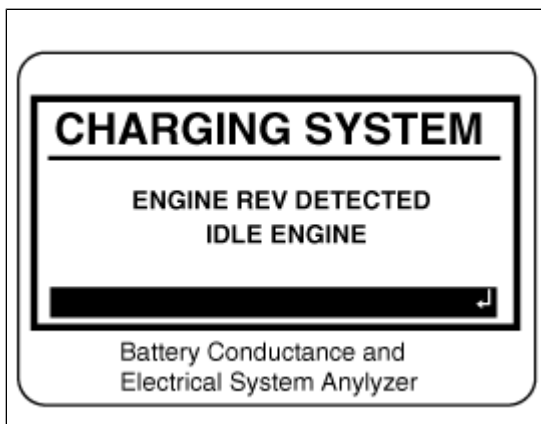
Use a pipe cutter or chain pipe cutter to make sure the cutting surface is smooth and even.



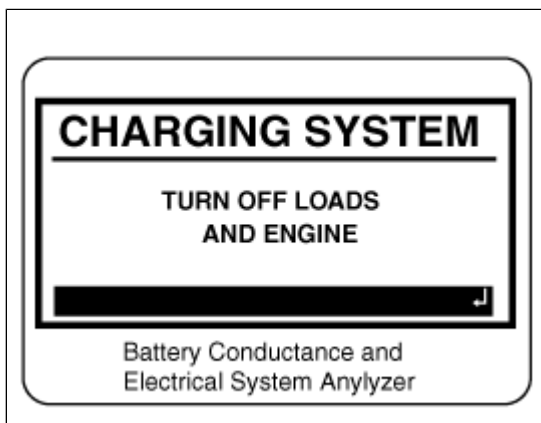
15. Turn on electrical loads (air conditioner, lamps, audio and etc). Press ENTER to continue.



16. The message that engine RPM is detected will be displayed on the screen, idle the engine.



17. Turn off loads and engine.



18. The Charging System decision is displayed at the end of the procedure.

dropped, inspect before installing.
Apply the engine coolant to the O-ring.
Carefully insert the sensor into the installation hole without damaging it.

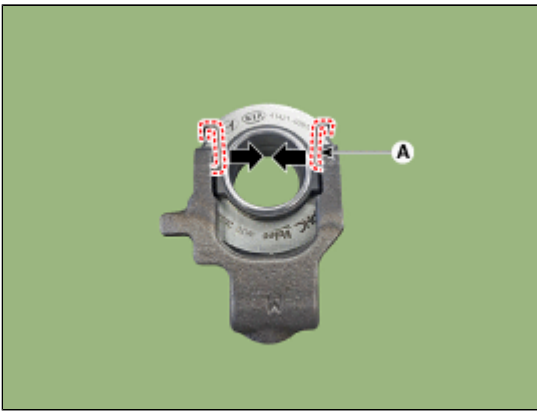
Rate this Document

☐ Document Type : SHOP

☐ Document Rating :

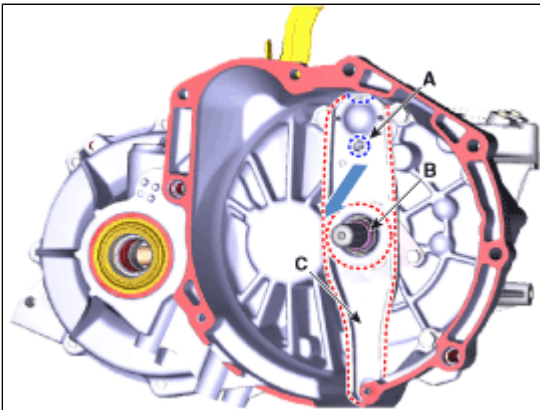
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Little Value	1	2	3	4	5	Excellent Value



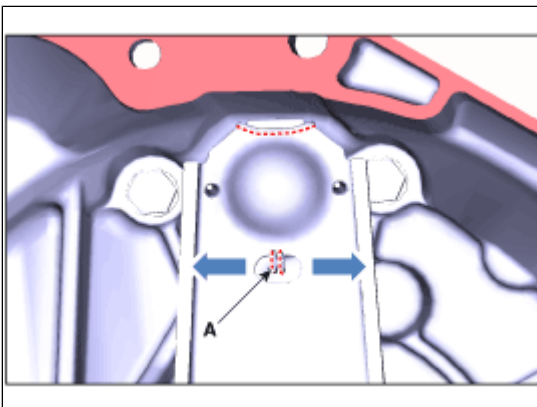
Gasoline 1.1 [AMT]

1. Remove the transmission assembly.
(Refer to Automated Manual Transmission System - "Automated Manual Transmission")
2. Remove the release fork & bearing.
 - 1) Separate the clip (A).
 - 2) Remove the release fork (C) and release bearing (B) at the same time.



NOTICE

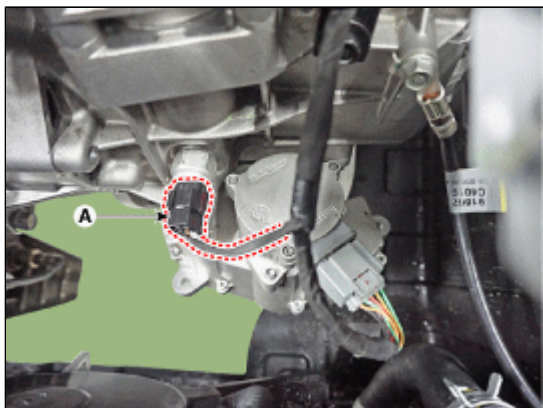
When remove the clutch release fork & bearing, and then clip (A) ah the arrow direction pulling of both sides.



3. Diassemble the return clip and then release bearing from the clutch release fork.
 - 1) Diassemble the clip (A).
 - 2) Diassemble the release bearing (B).

Inspection

1. Turn ignition switch OFF and then disconnect the battery (-) cable.
2. Disconnect the back up lamp switch connector (A).



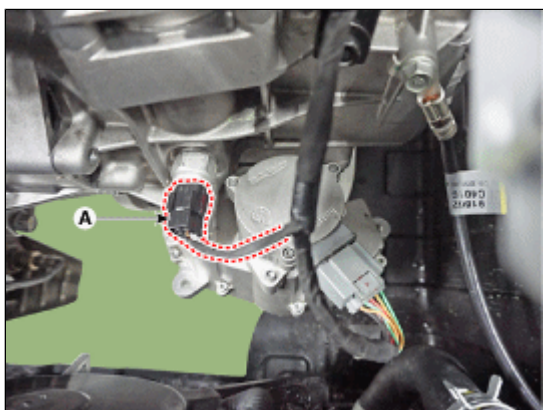
3. Check the continuity between no. 1 and 2 terminals of backup lamp switch. when the shift lever is in reverse, there should be continuity.

Condition	1	2
Reverse Range	●	●
Other Range		

*The back up Lamp "ON" shall keep over 0.5mm(0.02in) From ON-OFF point.

Replacement

1. Turn ignition switch OFF and then disconnect the battery (-) cable.
2. Disconnect the back up lamp switch connector (A).



3. Remove the back up lamp switch (A) and then replace the back up lamp switch.

Tightening torque:

39.2 - 58.8 N.m (4.0 - 6.0 kgf.m, 28.9 - 43.4 lb-ft)



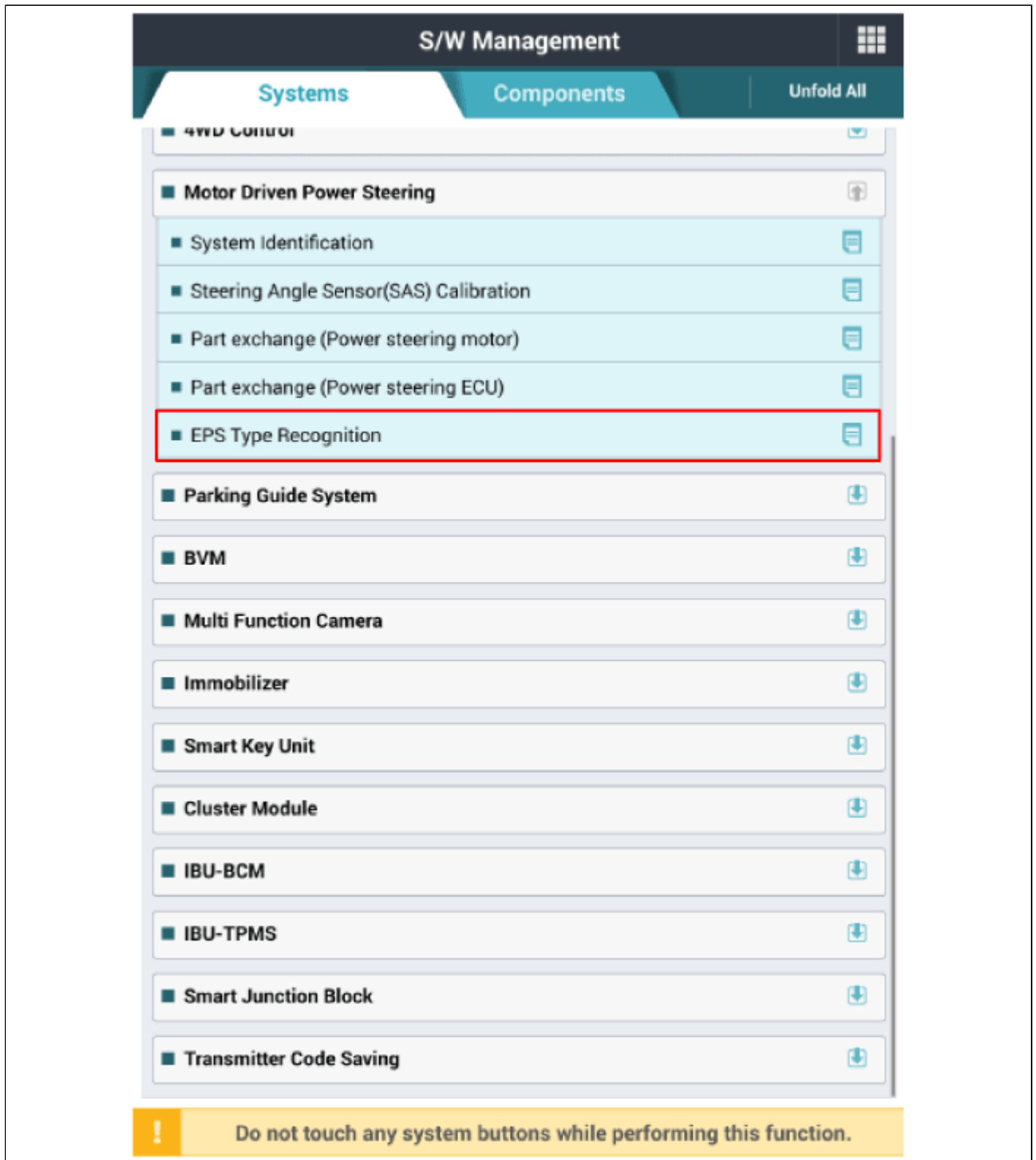
NOTICE

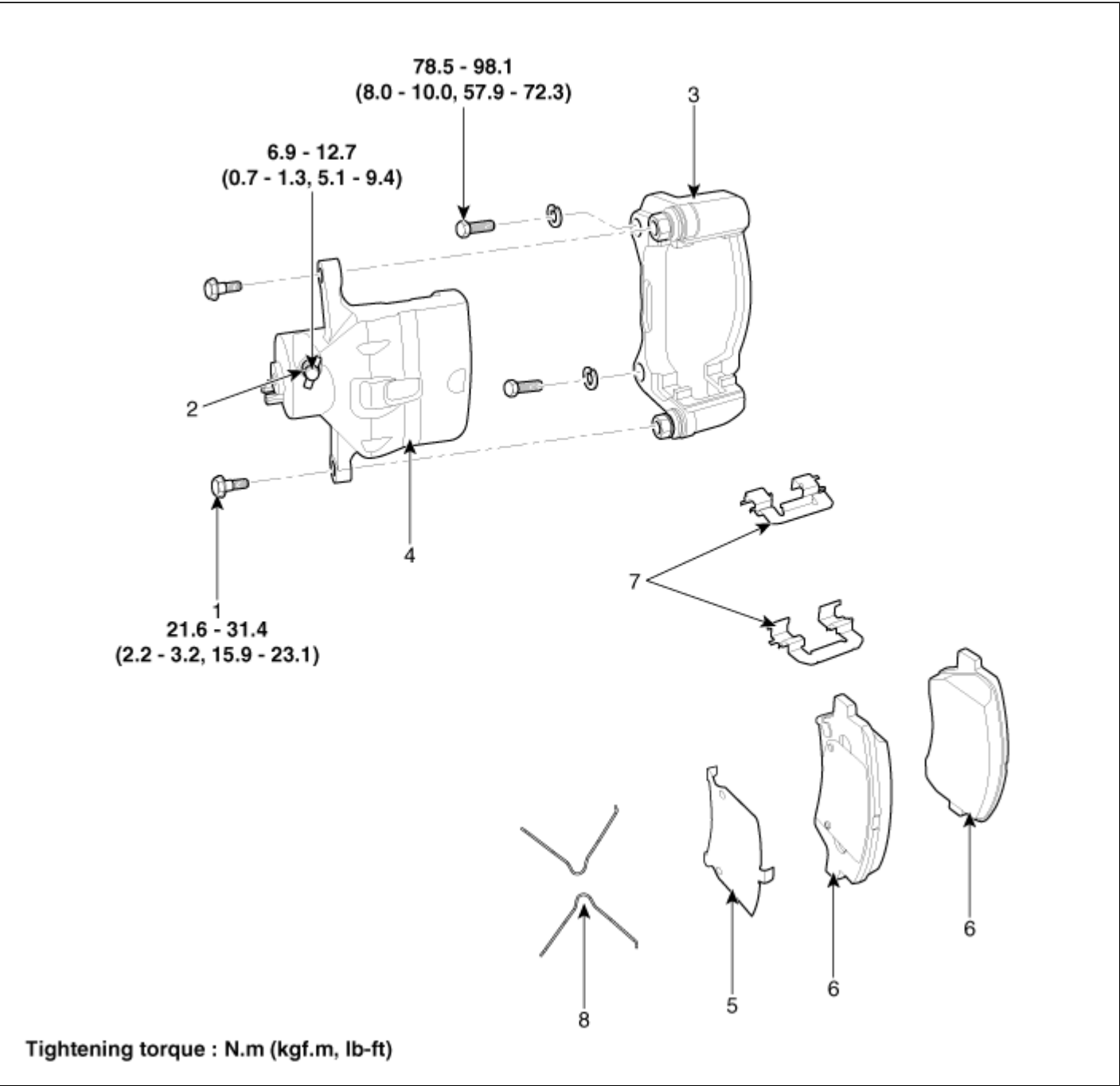
3. Install the TJ joint assembly.
(Refer to Driveshaft Assembly - "TJ joint")
4. Install the front driveshaft.
(Refer to Driveshaft Assembly - "Front Driveshaft")
5. Check the front alignment.
(Refer to Suspension System - "Front Alignment")

□ Document Type : SHOP

Please rate the above contents on a scale of 1 to 5.

4. After Selecting the "vehicle model" and "system", select the "EPS Type Recognition" on GDS vehicle selection screen.





- | | |
|-------------------|----------------------|
| 1. Brake caliper | 5. Brake pad |
| 2. Brake disc | 6. Brake pad shim |
| 3. Pad spring | 7. Pad retainer |
| 4. Guide rod bolt | 8. Pad return spring |

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Little Value

1

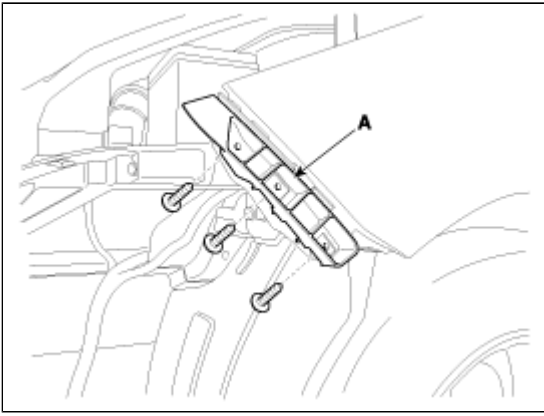
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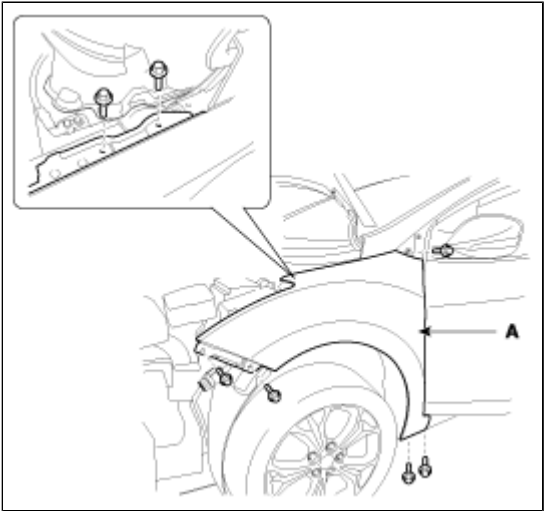
4

5

Excellent Value



7. Loosen the mounting bolts and remove the fender assembly (A).



8. To install, reverse removal procedure.

i Information

Make sure the connector is plugged in properly.
Replace any damaged clips.

Rate this Document

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☐ Document Rating :

Please rate the above contents on a scale of 1 to 5.

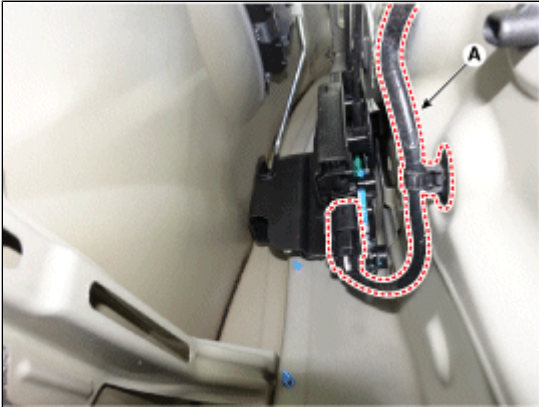
☐	Little Value	☐	1	☐	2	☐	3	☐	4	☐	5	☐	Excellent Value
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Replacement

1. Pull up front door window glass by pressing the power window glass switch.
2. Remove the front door trim.
(Refer to Front Door - "Front Door Trim")
3. Remove the rear door outside handle latch rod (A).



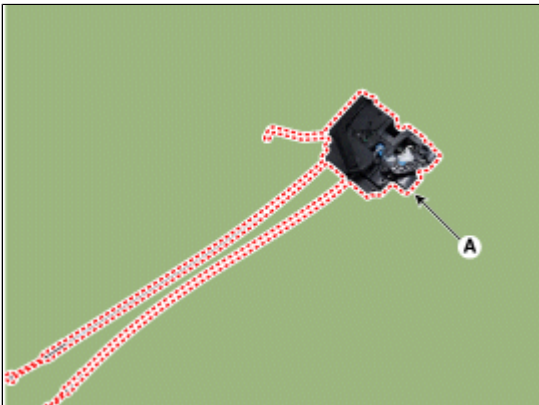
4. Separate the rear door latch connector (A).



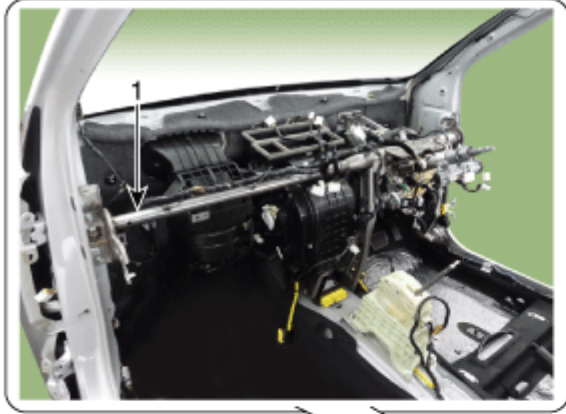
5. Loosen the rear door latch mounting screws.



6. Remove the rear door latch (A).



Component Location



1. Cowl cross bar assembly

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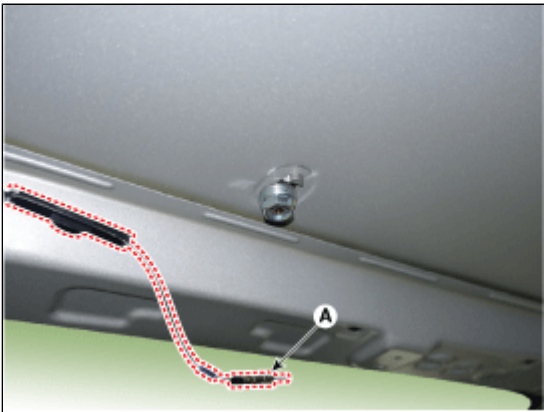
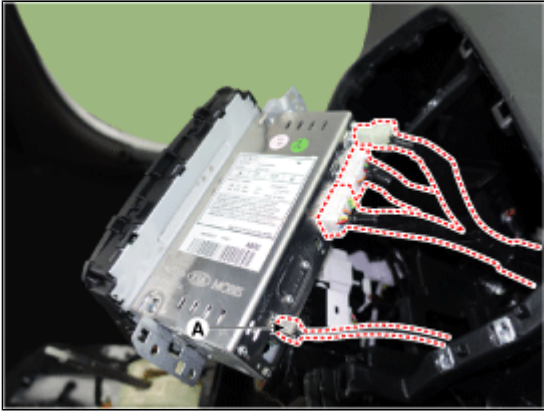
Please rate the above contents on a scale of 1 to 5.

Little Value	1	2	3	4	5	Excellent Value

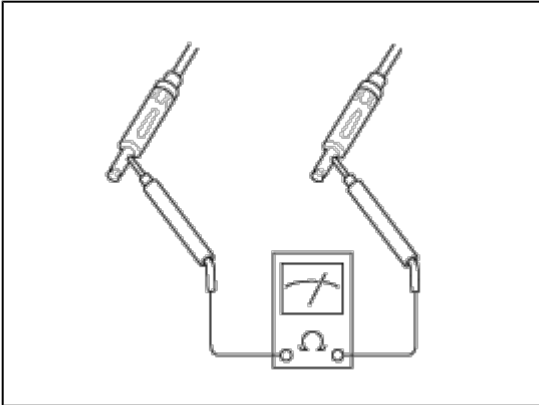
Inspection

Antenna Cable

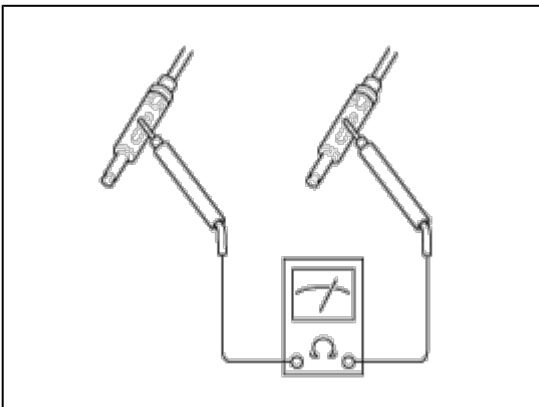
1. Remove the antenna jack (A) from the audio unit and antenna.



2. Check for continuity between the center poles of antenna cable.



3. Check for continuity between the outer poles of antenna cable. There should be continuity.



4. If there is no continuity, replace the antenna cable.
5. Check for continuity between the center pole (A) and outer pole (B) of antenna cable. There should be no continuity.