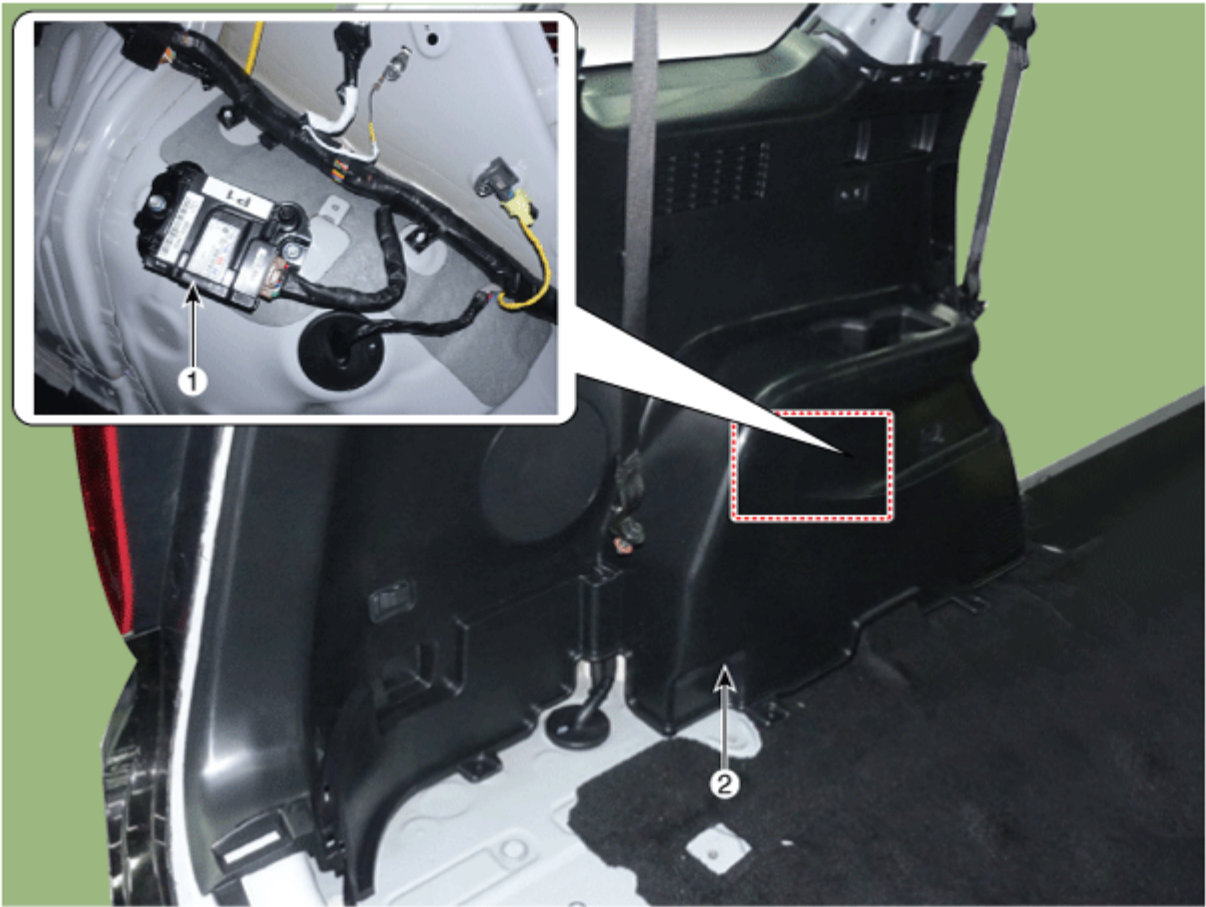


Components Location



1. AWD ECU

2. Luggage side trim [Left side]

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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

Removal

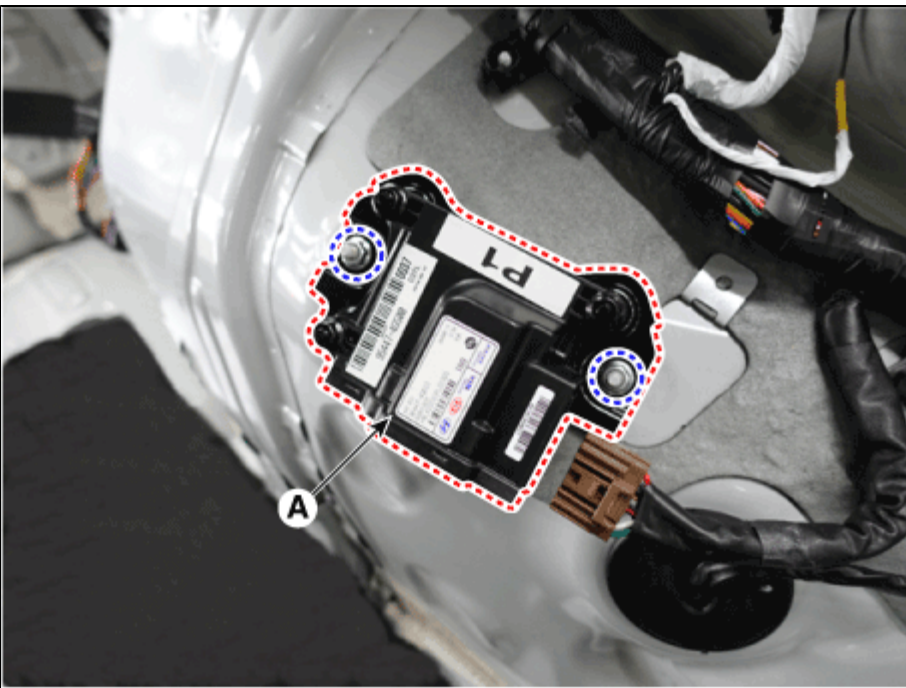
1. Prior to replacing the AWD ECU, check the AWD ECU's clutch learning with the diagnostic tool.
(Refer to AWD Control System - "Repair Procedures")
2. Turn ignition switch OFF and disconnect the negative (-) battery cable.
3. Remove the left side luggage side trim.
(Refer to Body - "Interior Trim")
4. Disconnect the AWD ECU connector (A).



5. Loosen the mounting nuts and then removing the AWD ECU (A).

Tightening torque:

9.8 - 11.8 N.m (1.0 - 1.2 kgf.m, 7.2 - 8.7 lb-ft)

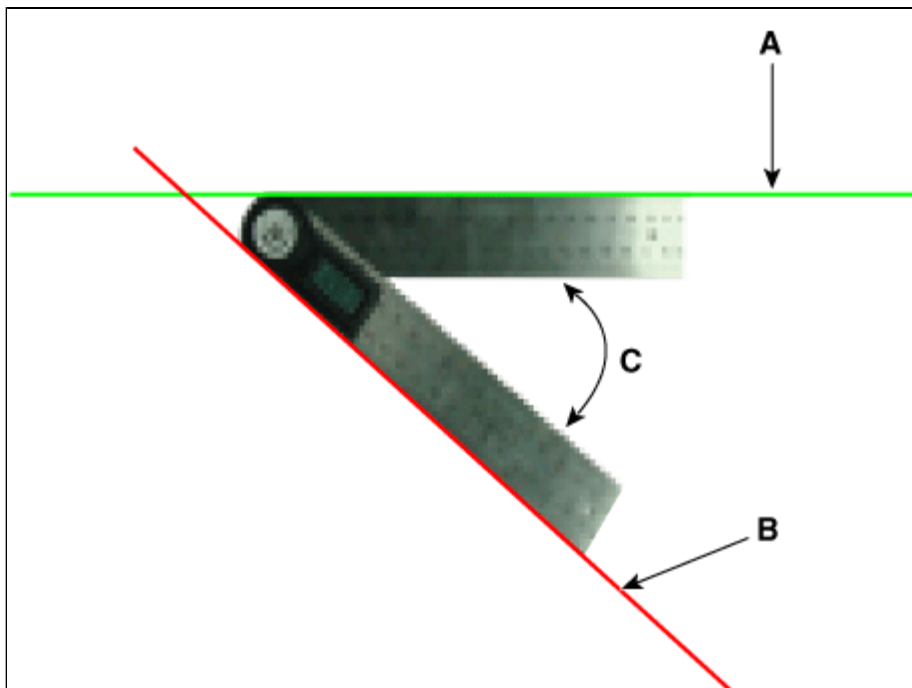


NOTICE

When with the blind-spot radar unit cover, remove the cover and then mount the fixing adapter (special tool: 09958-3T080).

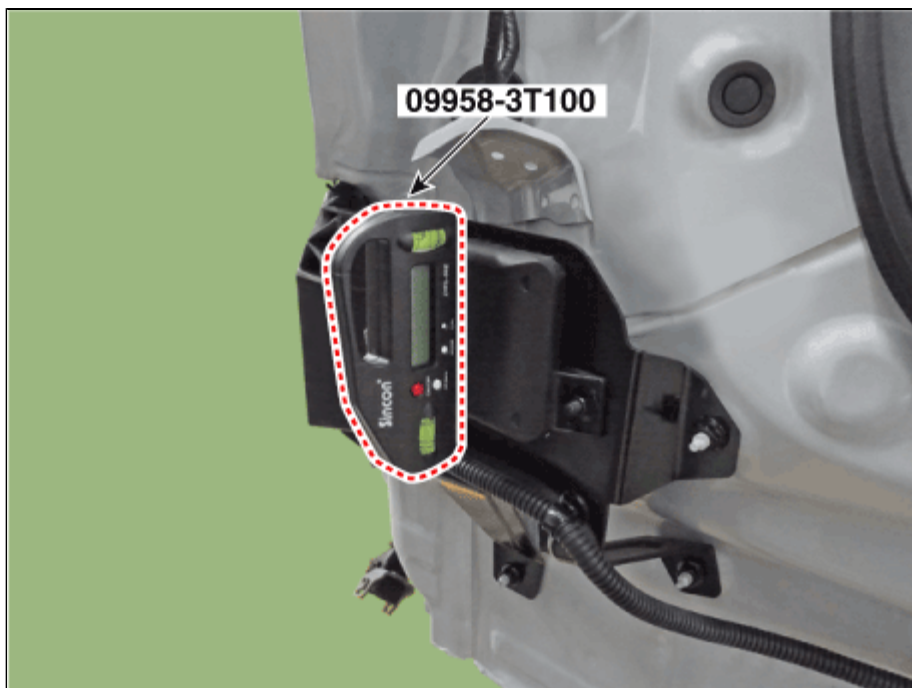
8. Measure the angle (C) between the center line (A) of the angle measuring plate and the horizontal laser beam (B) using a digital protractor (special tool : 09958-3T090).

Horizontal Angle (C): $54^{\circ} \pm 3^{\circ}$



9. Use a digital inclinometer (special tool : 09958-3T100) to measure the vertical angle of the blind-spot radar unit.

Vertical Angle : $87^{\circ} \pm 1.5^{\circ}$



10. Measure the horizontal and vertical angles of left and right blind-spot radar units. If the measured values deviate

Specification

Clutch & Brake Control VFS

▷ Control type : Normally Low

Item	Specification
Control pressure (kpa (kgf/cm, psi))	0 - 1,569.06 (0 - 16, 0 - 227.57)
Current (mA)	0 - 1,100
Internal resistance (Ω)	5.3 ± 0.3

▷ Operation of the solenoid valve

Division	Solenoid Valve	Clutch
	37R/C_VFS	37R/C
P		
R	●	●
N		
1		
2		
3	●	●
4		
5		
6		
7	●	●
8		
Remark	● : Connected	●: Operation
	⊙ : Variable connected	

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Little Value

1

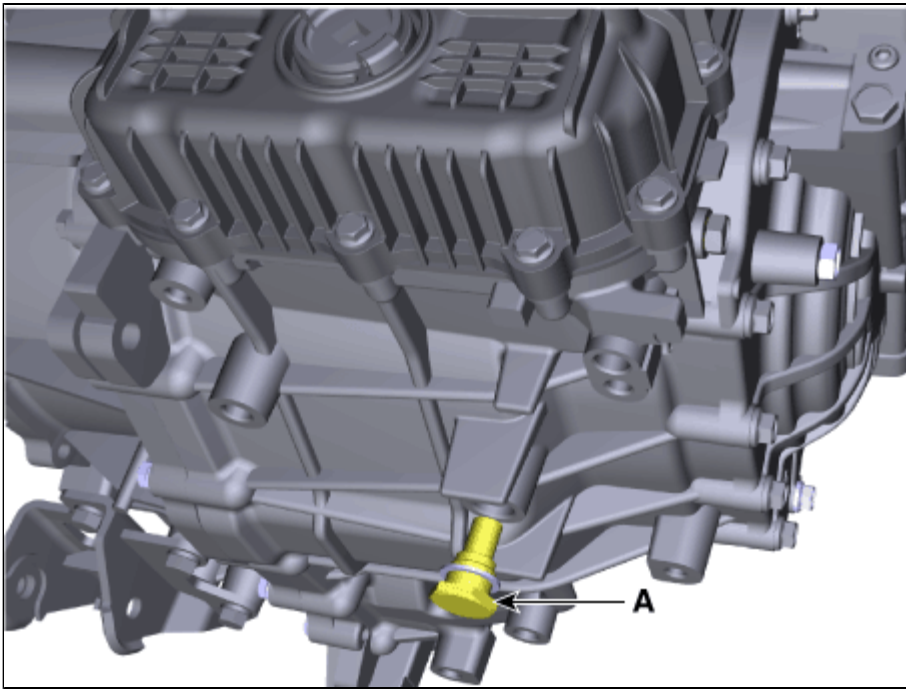
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Excellent Value



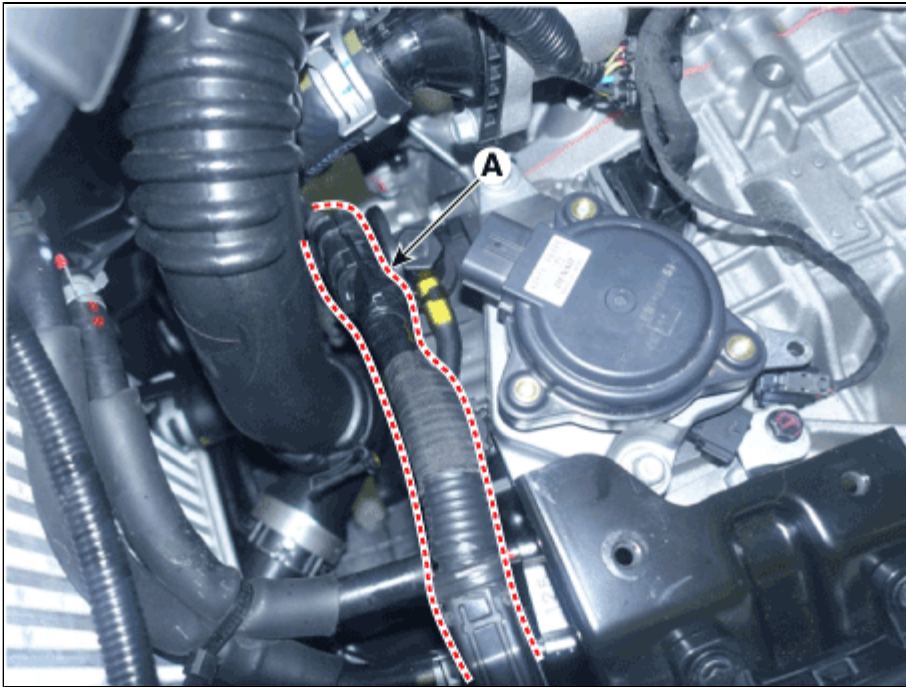
NOTICE

Replace the gasket before reinstalling the drain plug.

7. Loosen the bolts (A) and then removing the wiring bracket.

Tightening torque :

9.8 - 11.8 N.m (1.0 - 1.2 kgf.m, 7.2 - 8.7 lb-ft)



8. Loosen the bolts (A) and then removing the battery wiring bracket.

Tightening torque :

9.8 - 11.8 N.m (1.0 - 1.2 kgf.m, 7.2 - 8.7 lb-ft)

Replacement

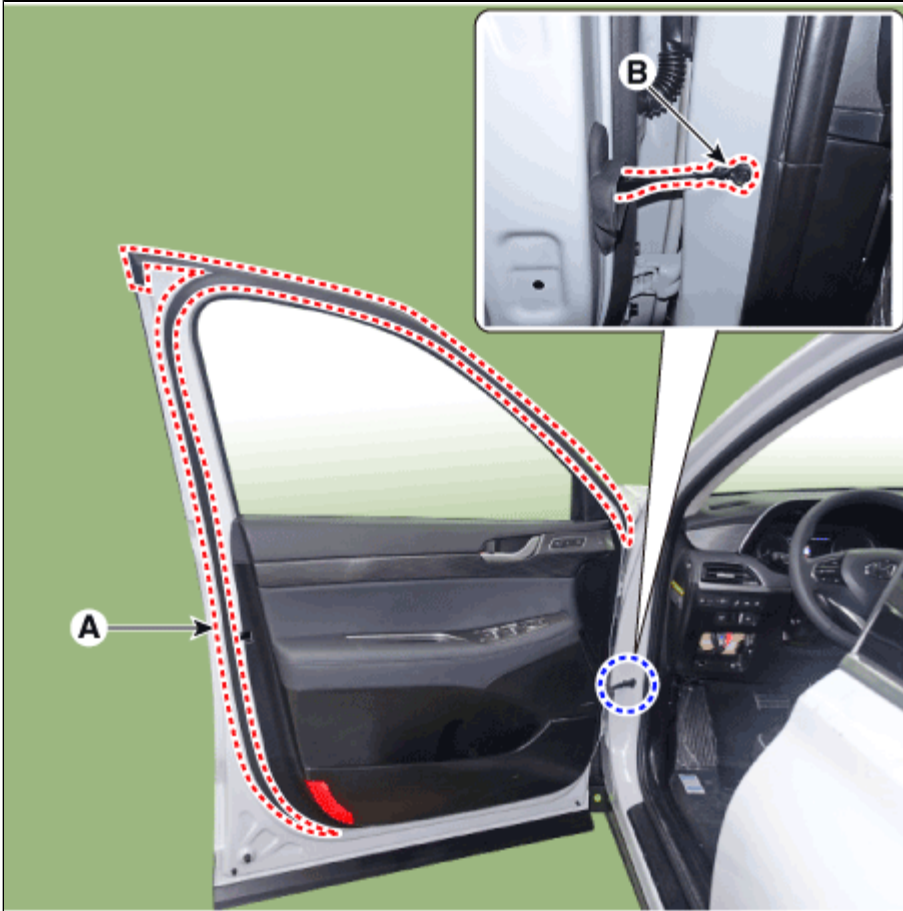
[Front door side weatherstrip]

1. Loosen the front door checker (B) mounting bolt.

Tightening torque :

21.6 - 32.4 N.m (2.2 - 3.3 kgf.m, 15.9 - 23.9 lb-ft)

2. Detach the clips, then remove the front door side weatherstrip (A).



3. To install, reverse removal procedure.

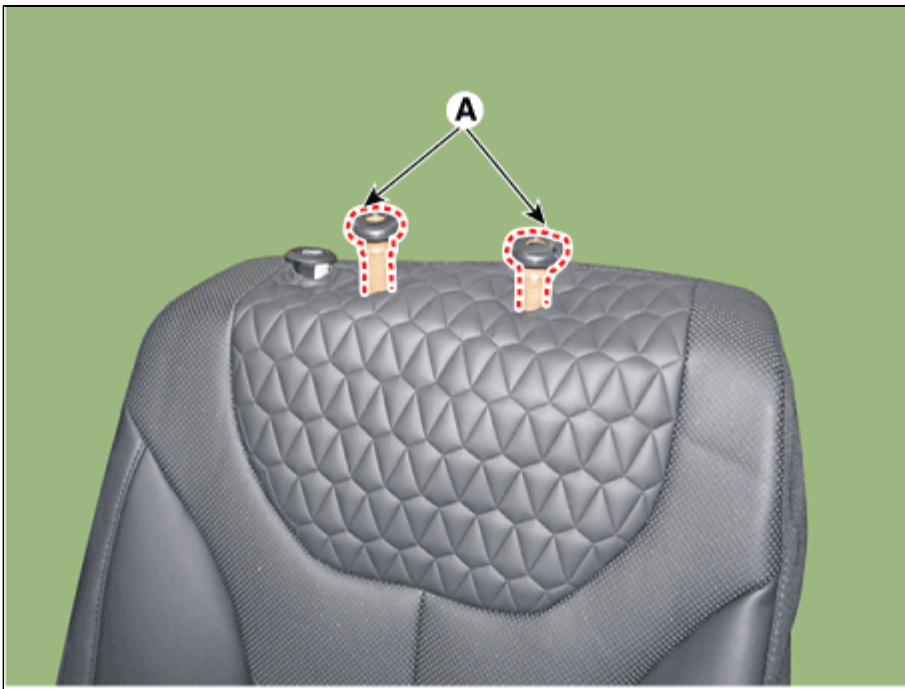
Information

â Replace any damaged clips (or pin-type retainers).

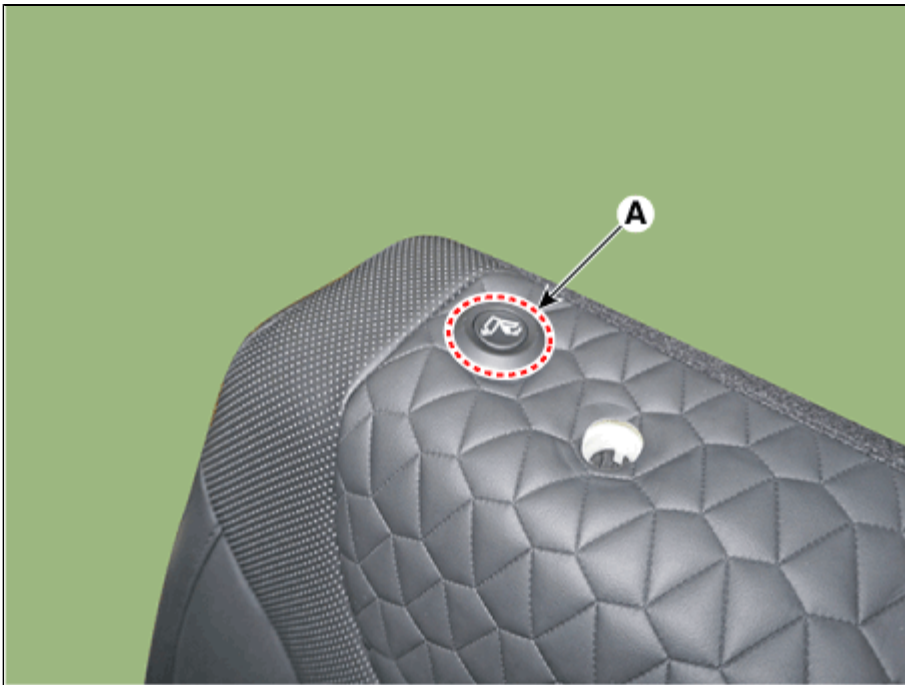
ç

[Front door body side weatherstrip]

4. Detach the clips, then remove the front door body side weatherstrip (A).



12. Using a remover and remove the rear seat back folding switch (A).



13. Press the lock pin and separate the rear seat back folding switch connector (A).

Replacement

1. Remove the liftgate weatherstrip (A).

NOTICE

⌚ Do not apply sealant to the body.

⌚



2. To install, reverse removal procedure.

i Information

⌚ When installing the liftgate weatherstrip, check the center-marking line (B).

⌚

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Little Value

1

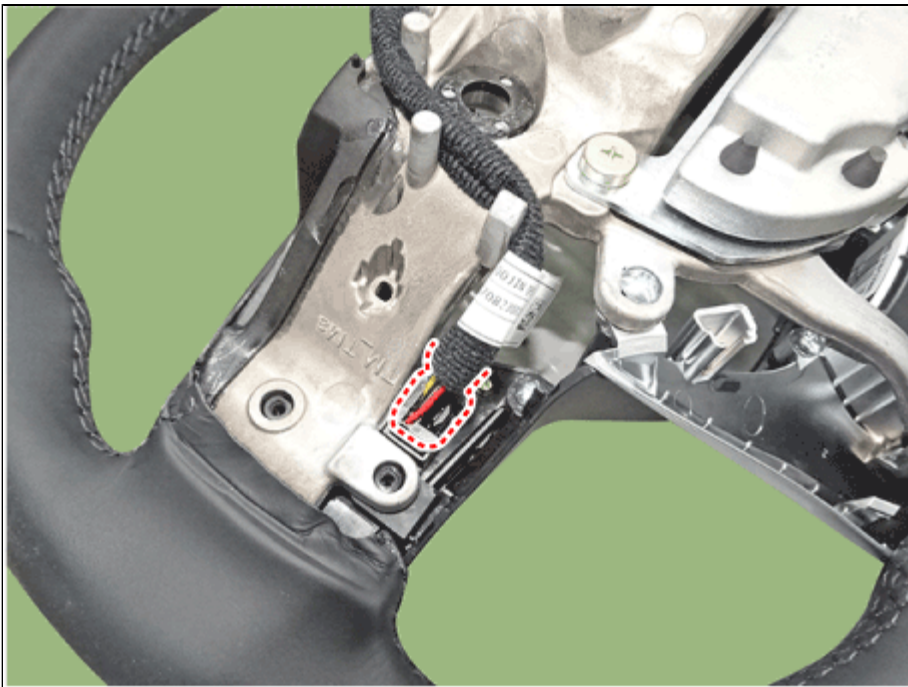
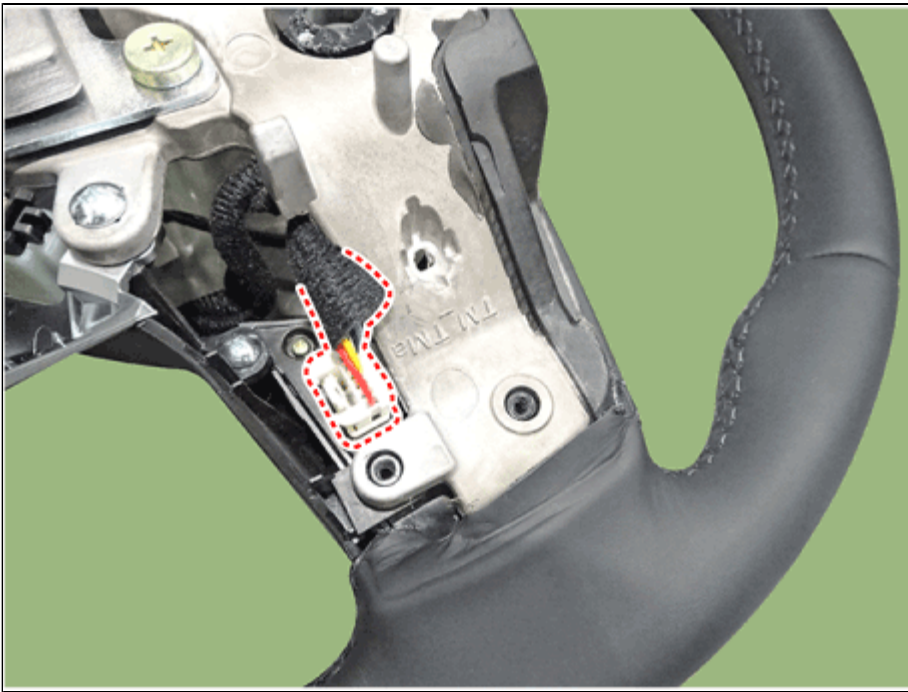
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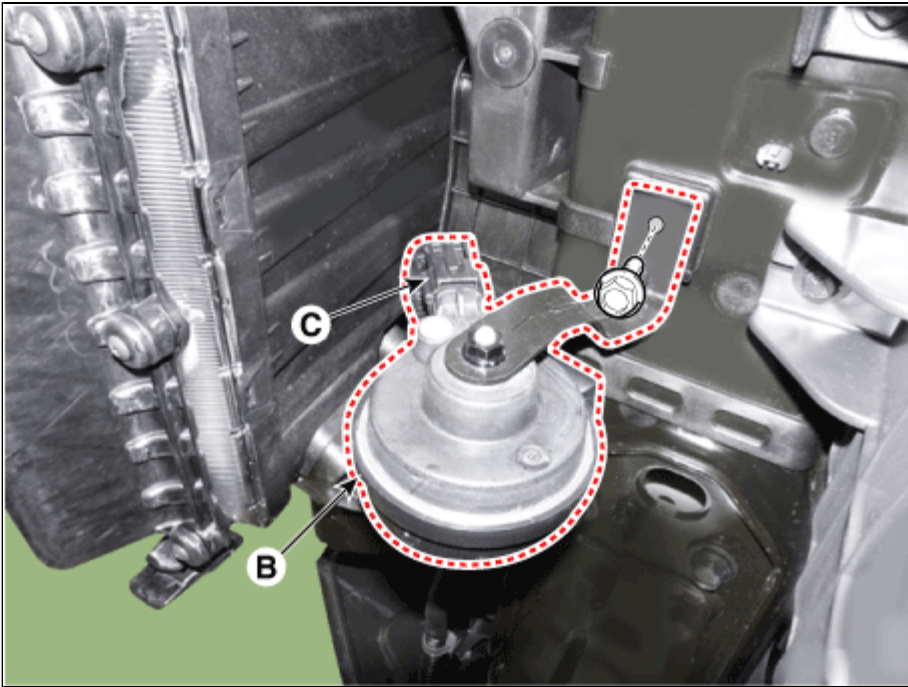
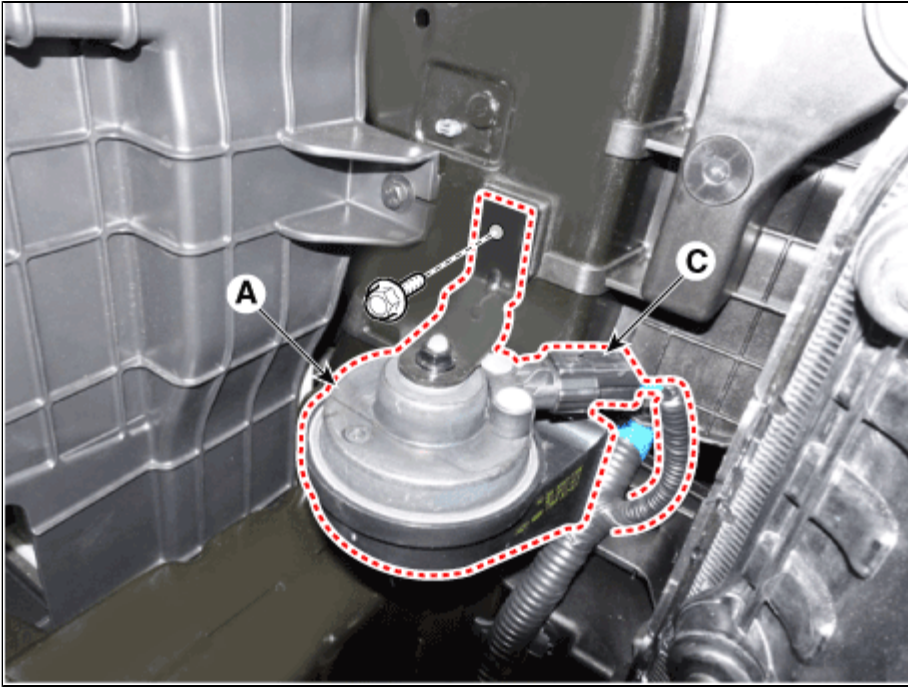
Excellent Value



6. Remove the remote control switches (A).

Removal

1. Remove the front bumper cover.
(Refer to Body - "Front Bumper Cover")
2. Remove the bolts and disconnect the horn connectors (C), then remove the high pitch horn (B) and low pitch horn (A).



Installation

1. Install the horns after connecting the horn connectors.
2. Install the front bumper cover.

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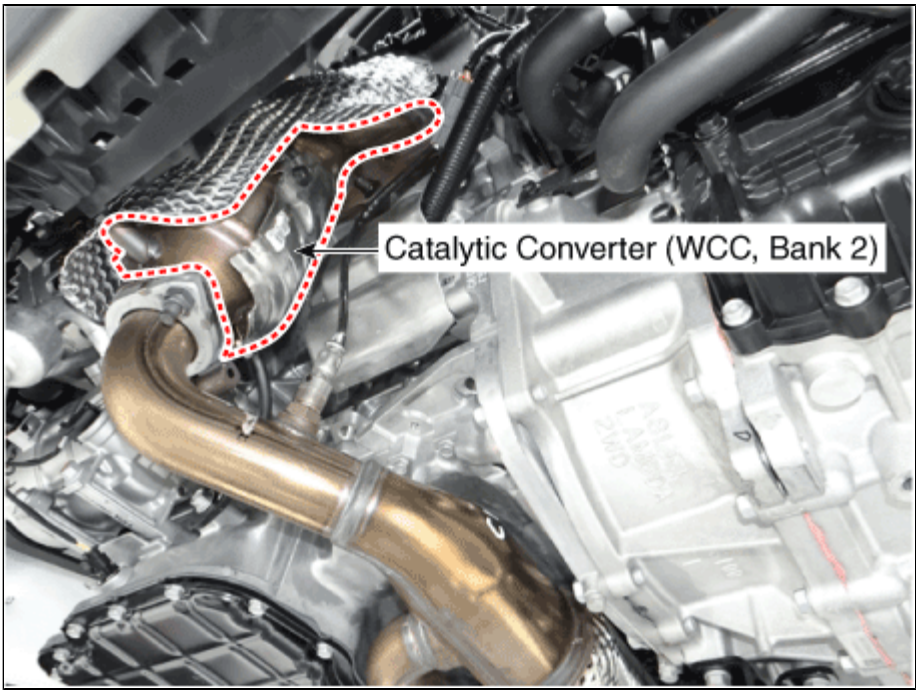
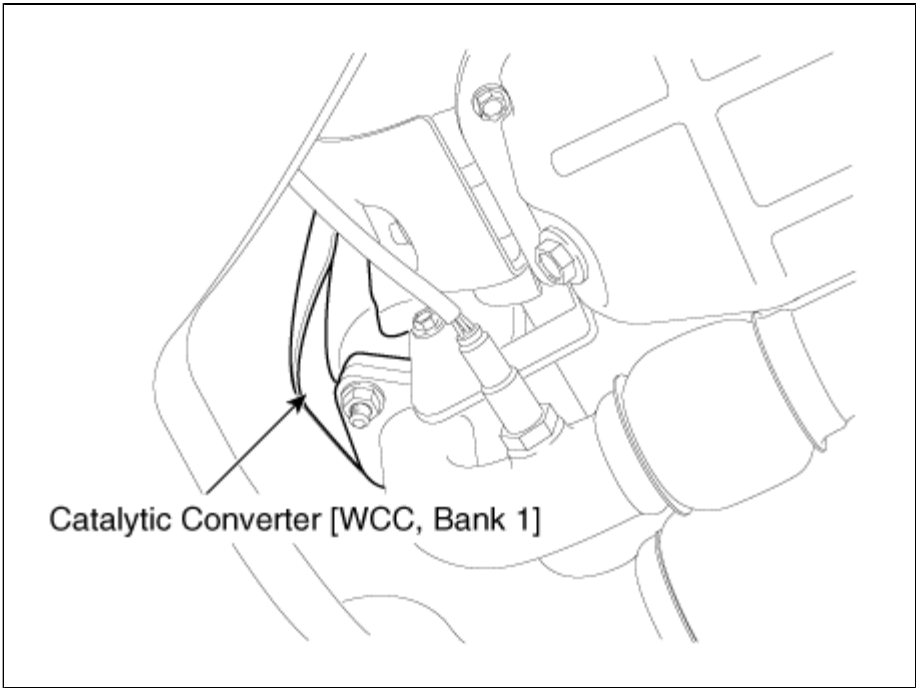
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Description

The catalytic converter of the gasoline engine is a three way catalyst. It oxidizes carbon monoxide and hydrocarbons (HC), and separates oxygen from the oxides of nitrogen (NOx).

Catalytic Converter (WCC)



Catalytic Converter (UCC)

Fail-Safe Mode

Item	Fail-Safe	
ETC Motor	Throttle valve stuck at 7°	
TPS	TPS 1 fault	ECM looks at TPS2
	TPS 2 fault	ECM looks at TPS1
	TPS 1, 2 fault	Throttle valve stuck at 7°
APS	APS 1 fault	ECM looks at APS 2
	APS 2 fault	ECM looks at APS 1
	APS 1, 2 fault	Engine idle state

NOTICE

When throttle value is stuck at 7°, engine speed will be limited to below 1,500 rpm and vehicle speed to a maximum of 40 - 50 km/h (25 - 31 mph).

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Little Value

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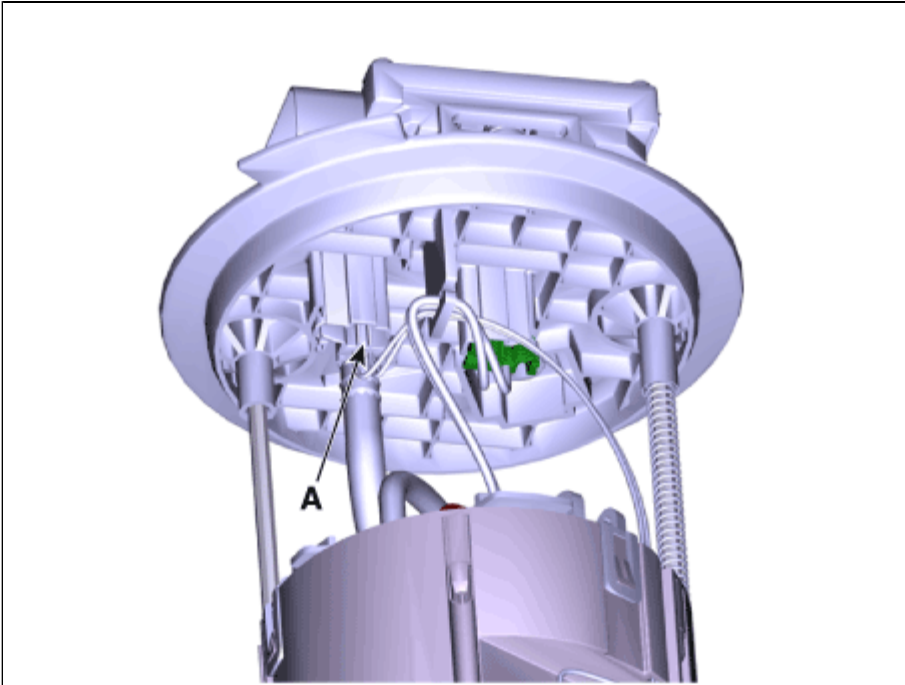
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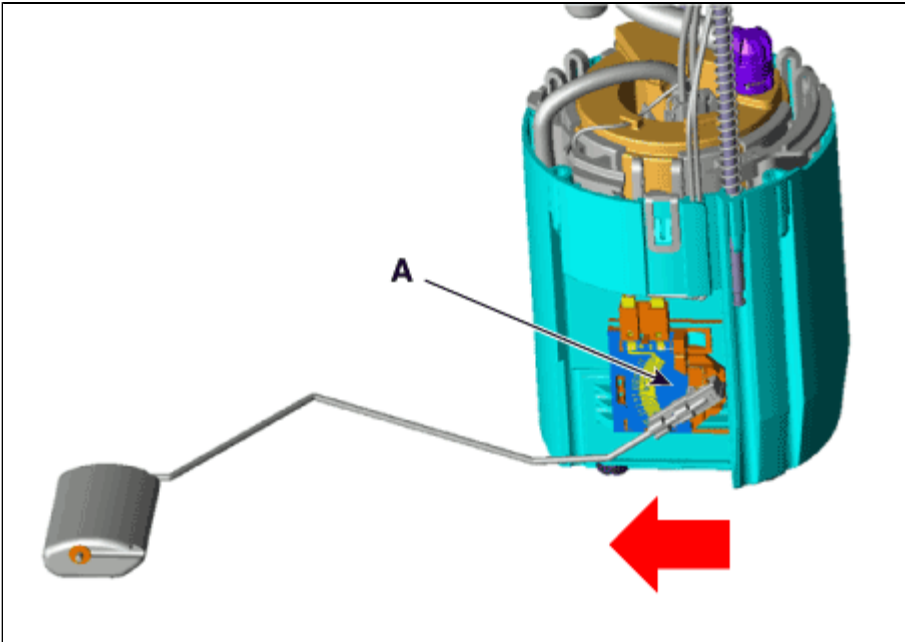
Excellent Value

Removal

1. Remove the fuel pump.
(Refer to Fuel Delivery System - "Fuel Pump")
2. Disconnect the fuel sender connector (A).



3. Remove the fuel sender (A) in the direction of an arrow.



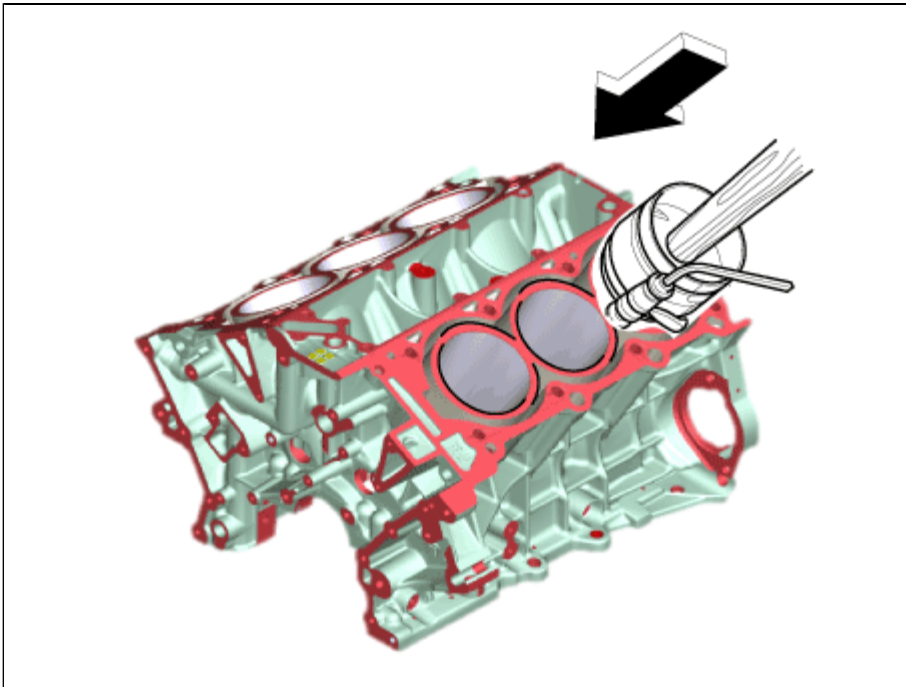
Installation

1. Install in the reverse order of removal.

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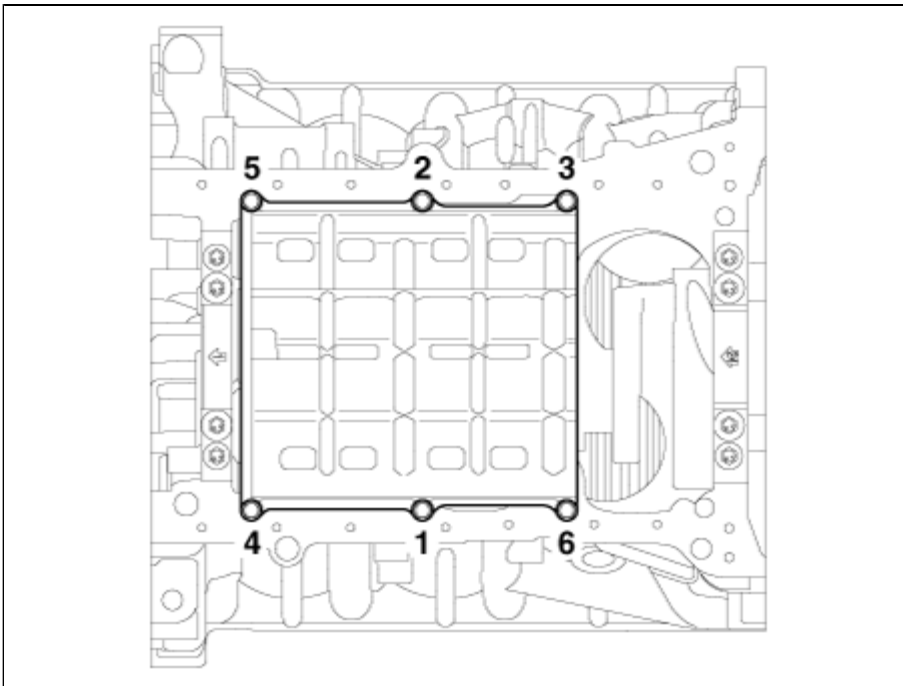
Please rate the above contents on a scale of 1 to 5.



5. Install the baffle plate.
Install and uniformly tighten the baffle plate bolts, in several passes, in the sequence shown.

Tightening torque:

9.8 - 11.8 N.m (1.0 - 1.2 kgf.m, 7.2 - 8.7 lb.ft)



6. Assemble the remaining parts in the reverse order of disassembly.

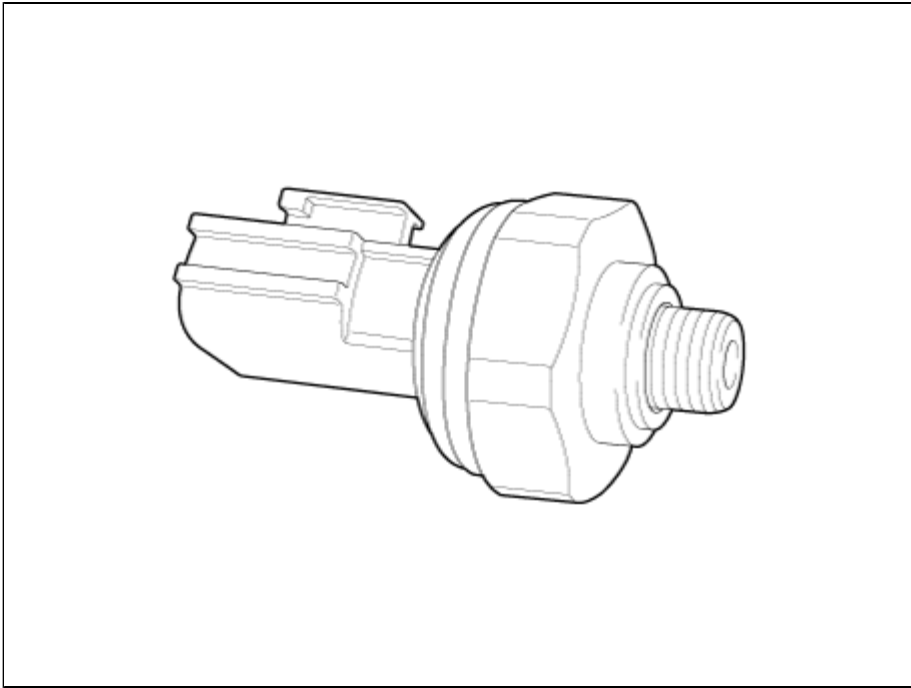
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Description

The A/C Pressure Transducer (APT) converts the pressure value of high pressure line into voltage value after measuring it. By converted voltage value, engine ECU controls the cooling fan by operating it high speed or low speed. Engine ECU stops the operation of the compressor when the temperature of refrigerant line is very high or very low irregularly to optimize air conditioning system.



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Little Value

1

2

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4

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Excellent Value