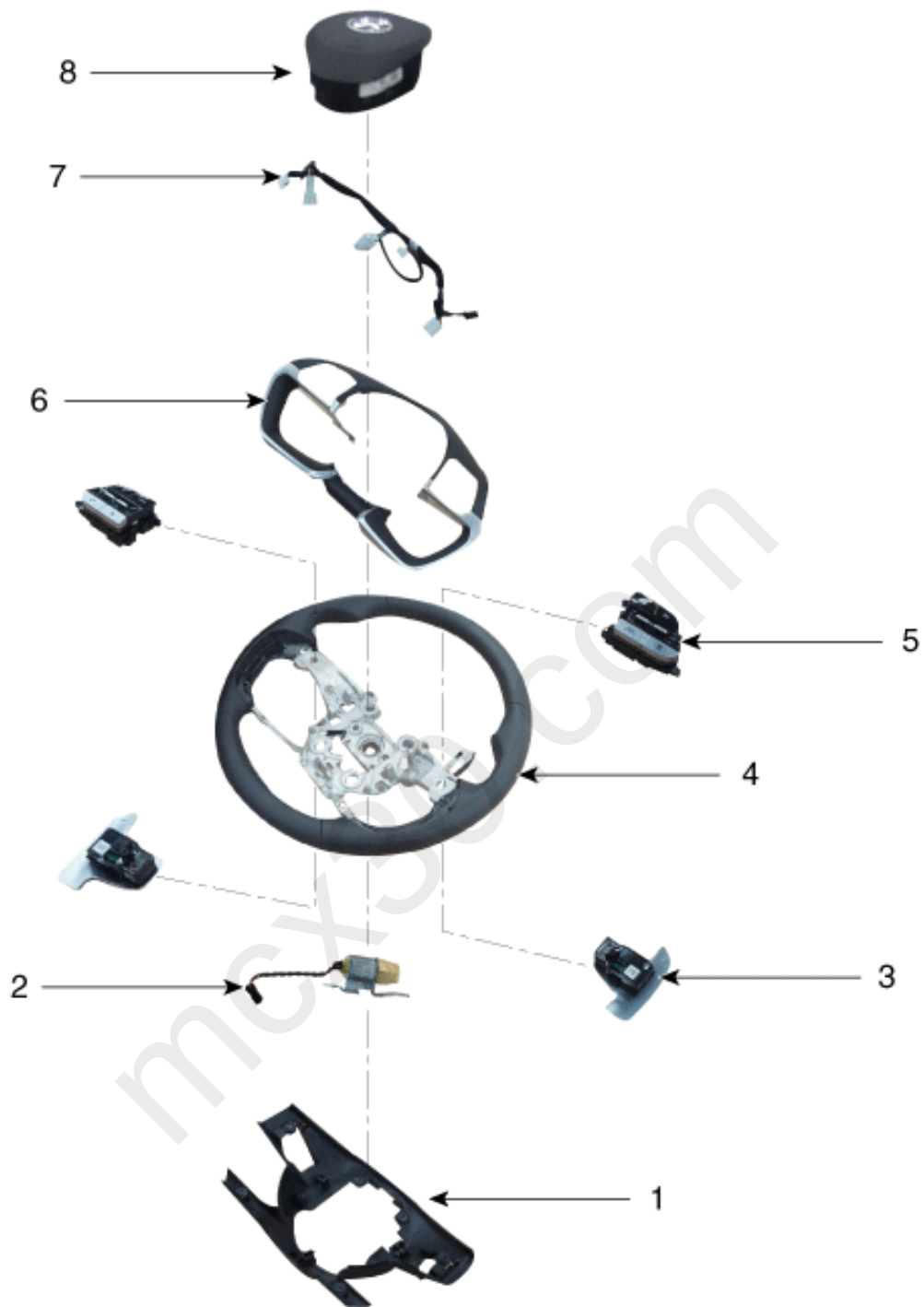


Components

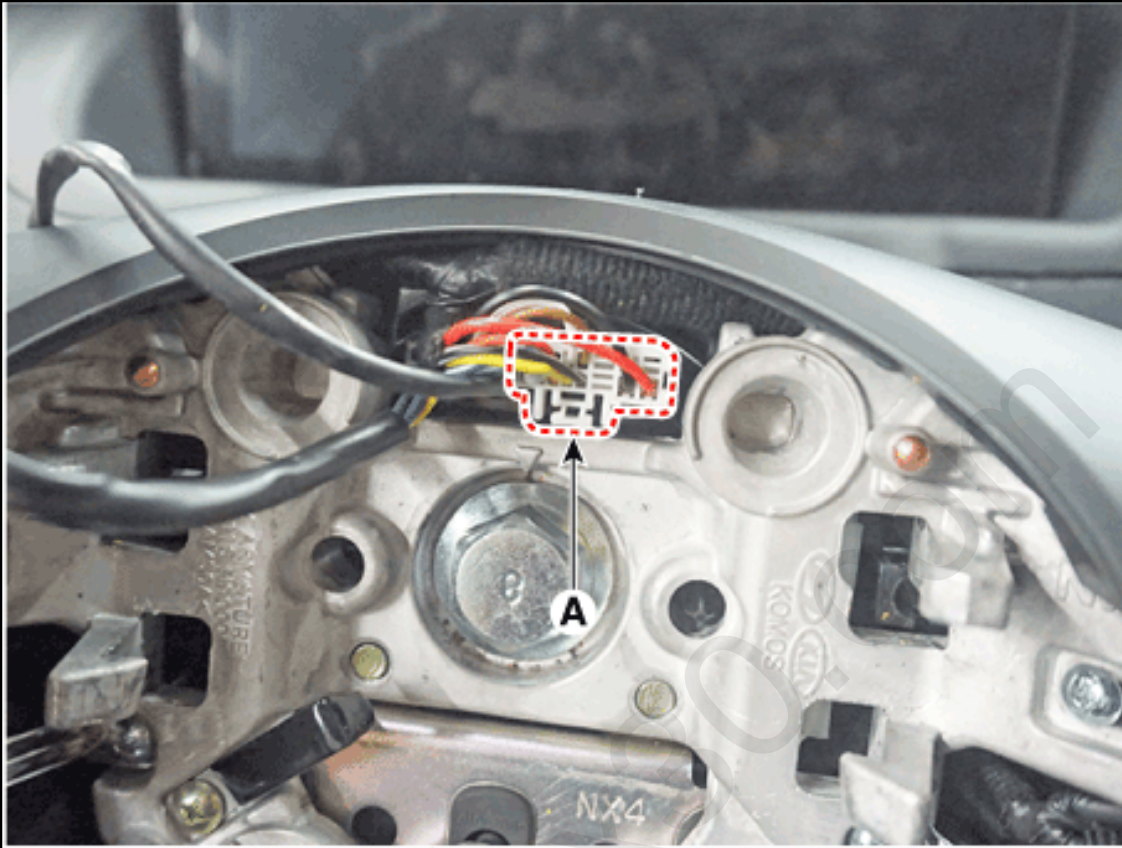


1. Lower cover
2. Haptic motor
3. Paddle shift
4. Steering Wheel

5. Remote control switch
6. Switch bezel
7. Wiring
8. Drive airbag module (DAB)

Removal

1. Turn the steering wheel so that the front wheels can face straight ahead.
2. Turn the ignition switch OFF and disconnect the battery negative (-) cable.
3. Remove the drive airbag module.
(Refer to Restraint - "Driver Airbag (DAB) Module and Clock Spring")
4. Disconnect the steering wheel connector (A).



5. Remove the steering wheel after loosening the bolt (A).

Tightening torque :

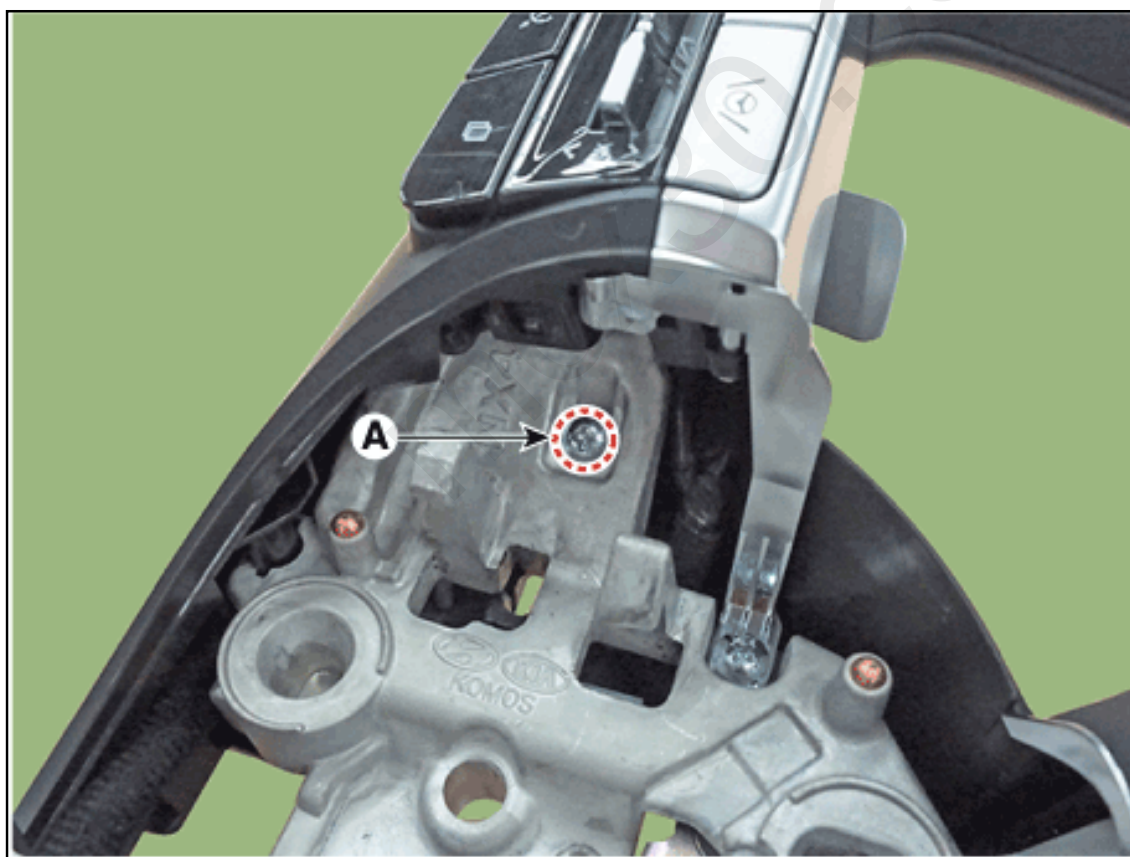
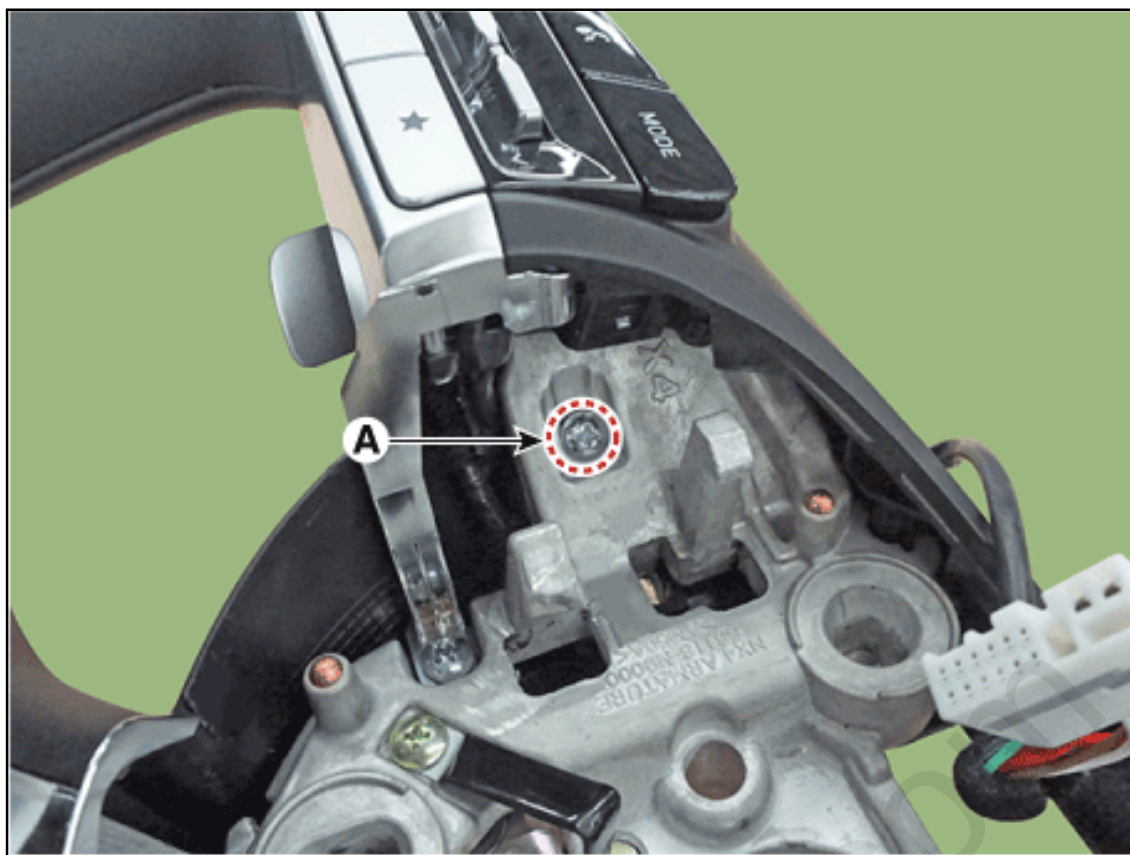
44.1 - 49.0 N.m (4.5 - 5.0 kgf.m, 32.5 - 36.2 lb-ft)



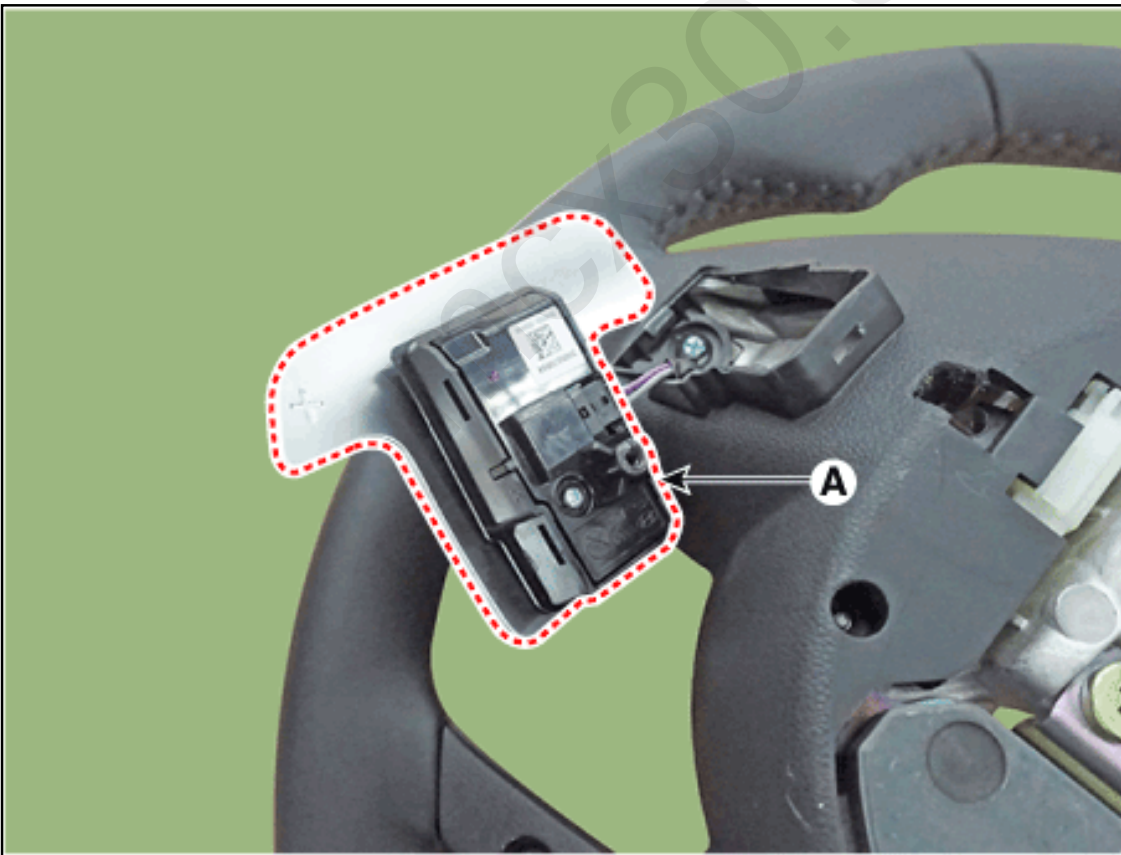
- Do not reuse the steering lock bolt.
- When assembling, match the gear teeth as the below illustration.

Disassembly

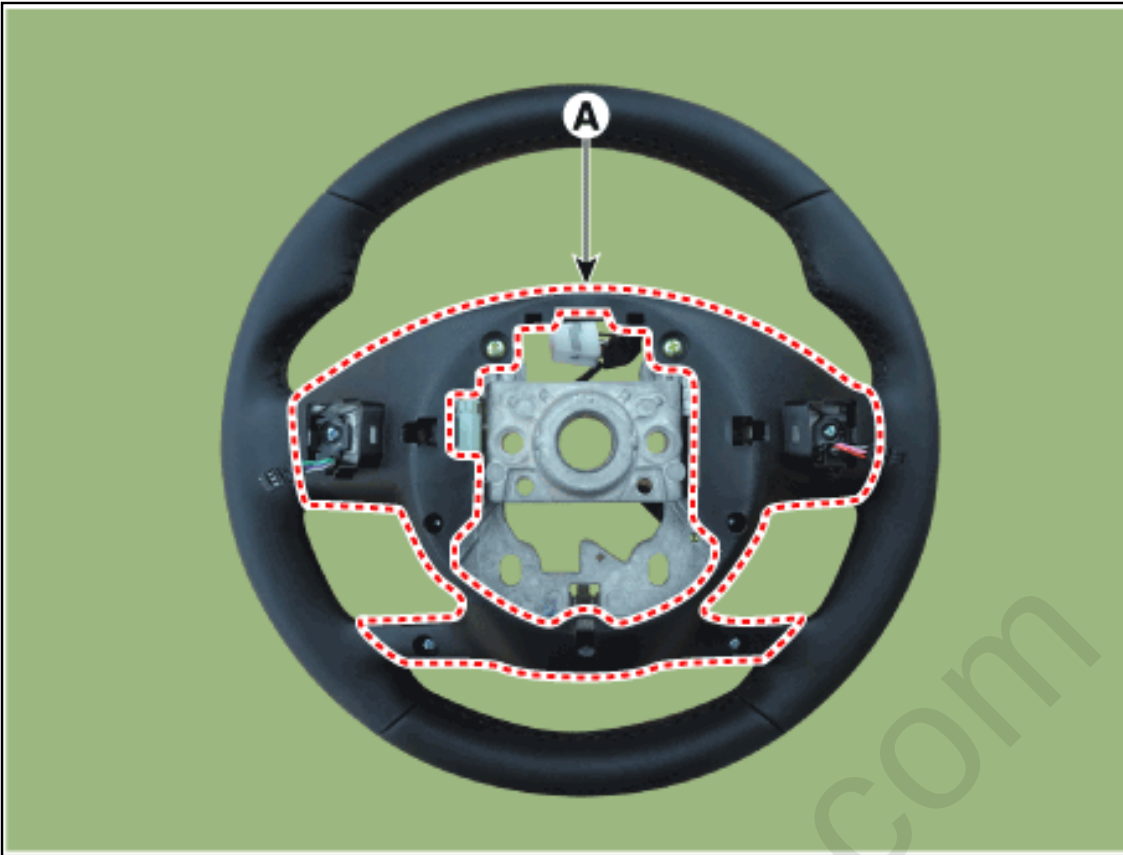
1. Loosen the paddle shift switch mounting screw (A).



2. Remove the paddle shift switch (A) after disconnecting the connector.



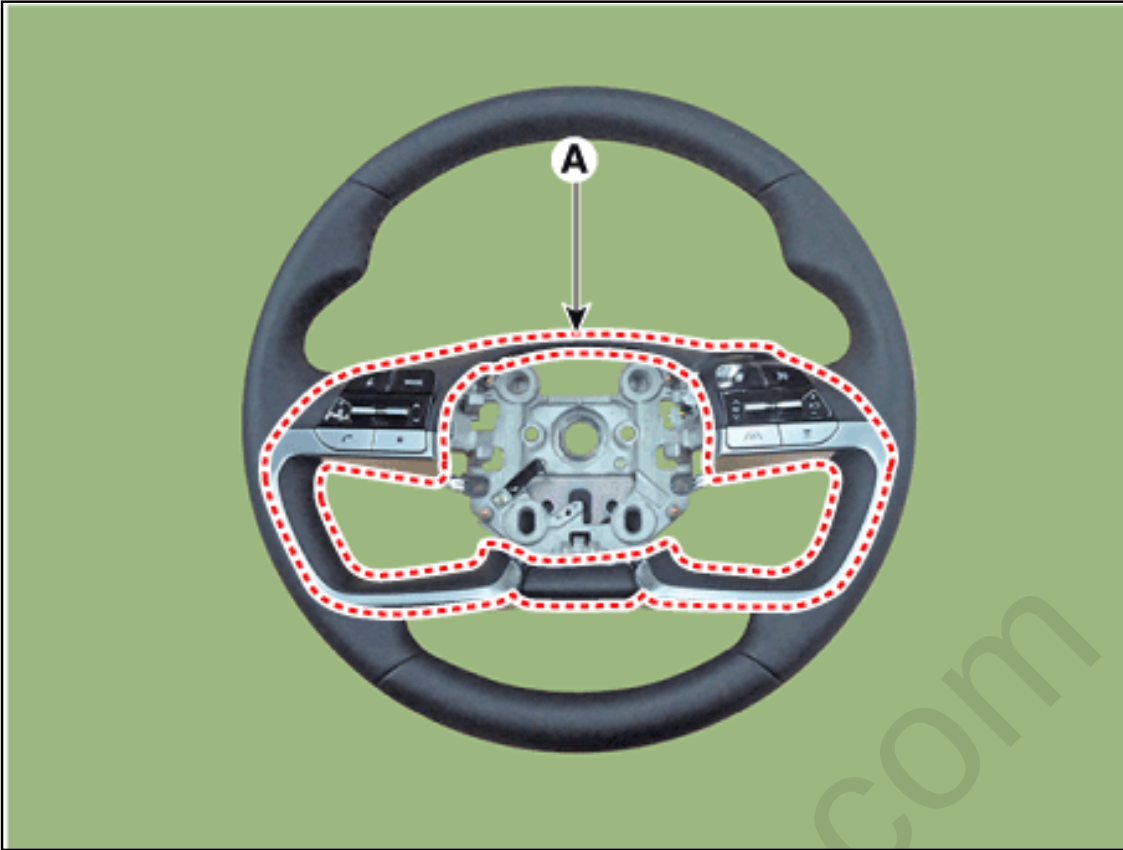
3. Remove the lower cover (A) after loosening the screw.



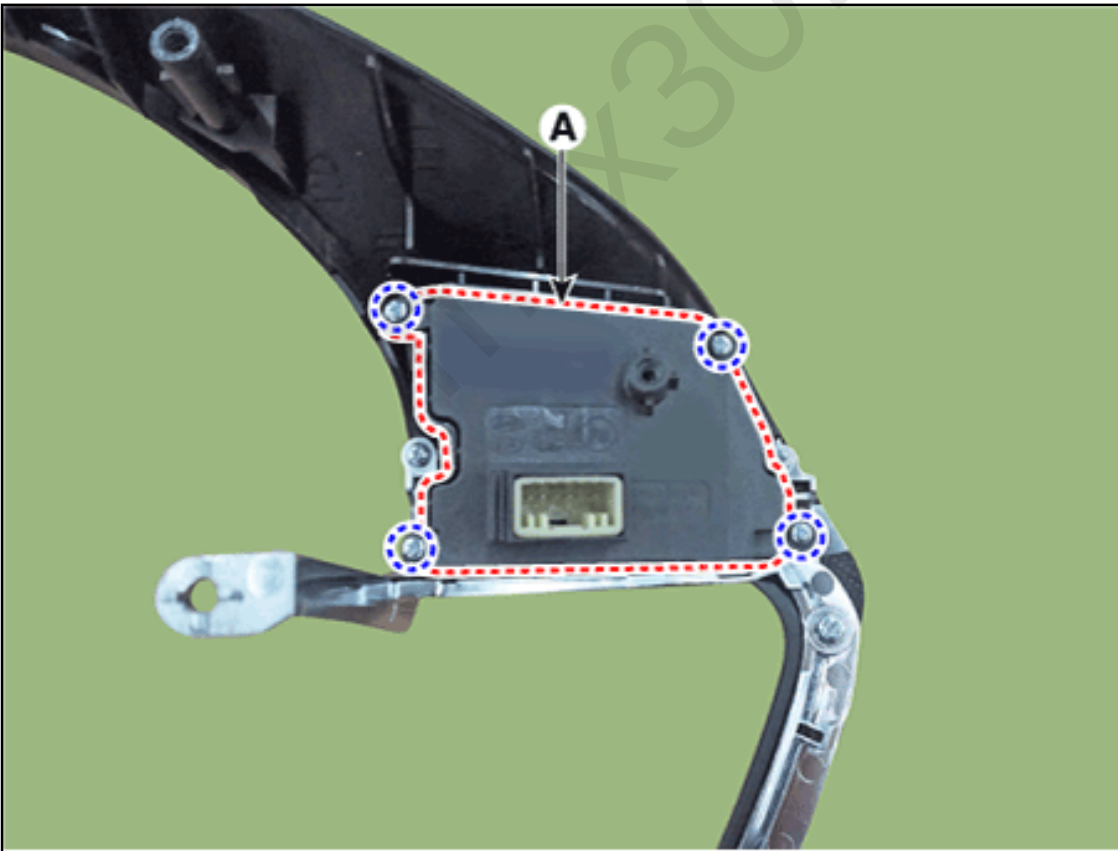
4. Disconnect the wiring (A).

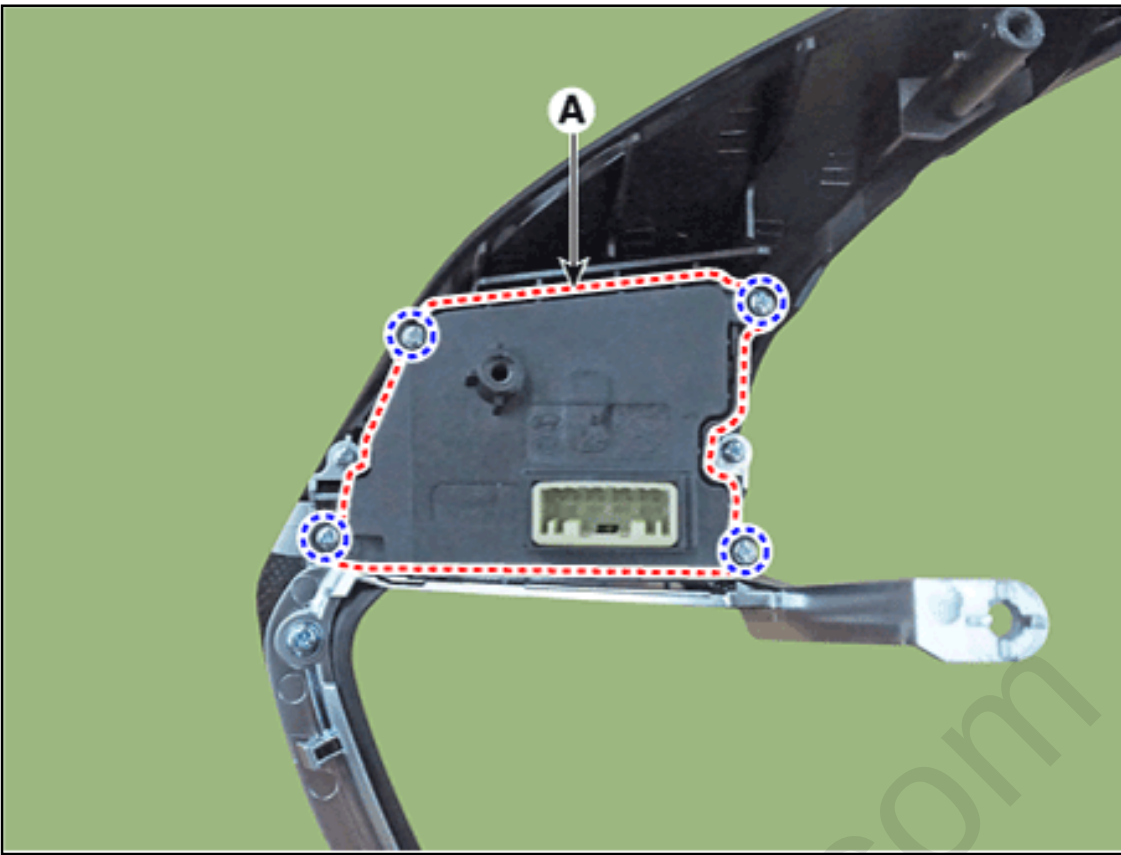


5. Remove the steering wheel bezel (A).

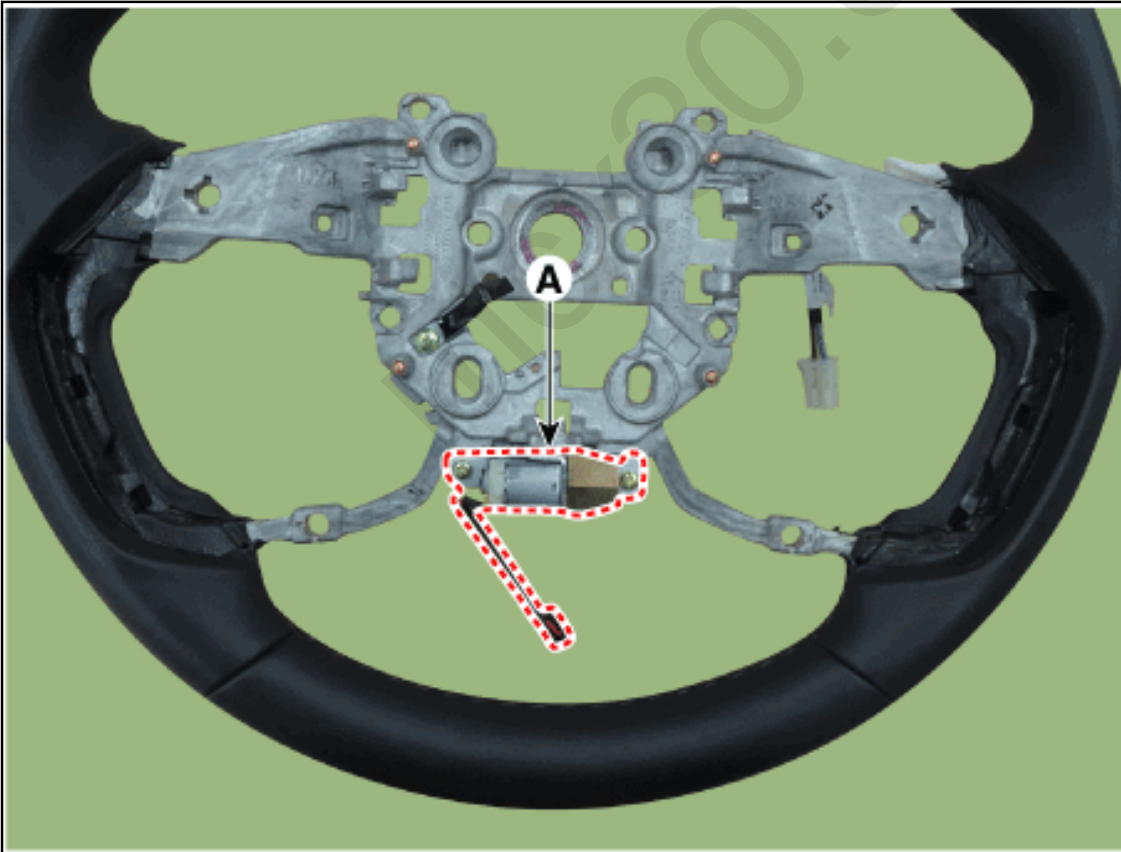


6. Remove the remote control switch (A) after loosening the mounting screw.





7. Remove the haptic motor (A) after loosening the screws.



Reassembly

1. To reassembly, reverse the disassembly procedure.

Installation

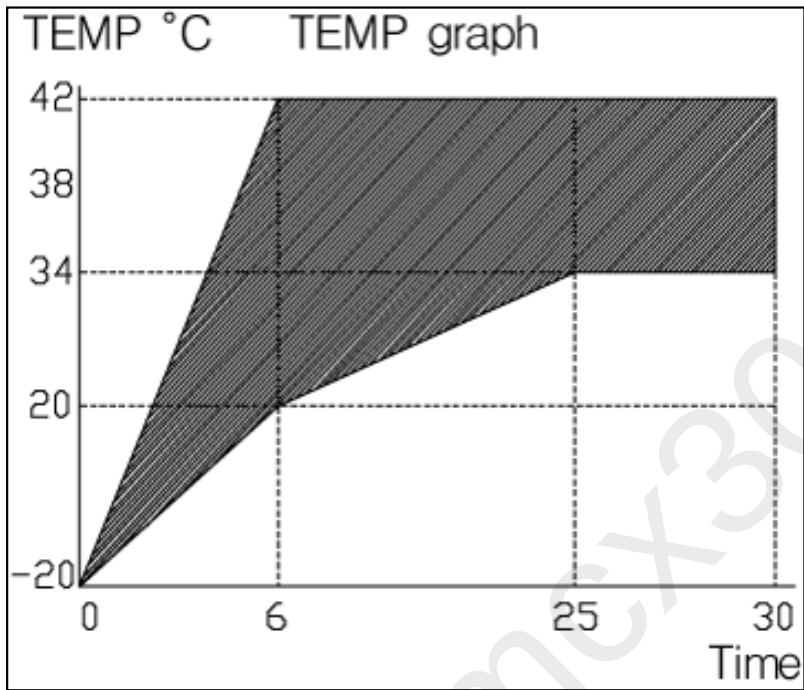
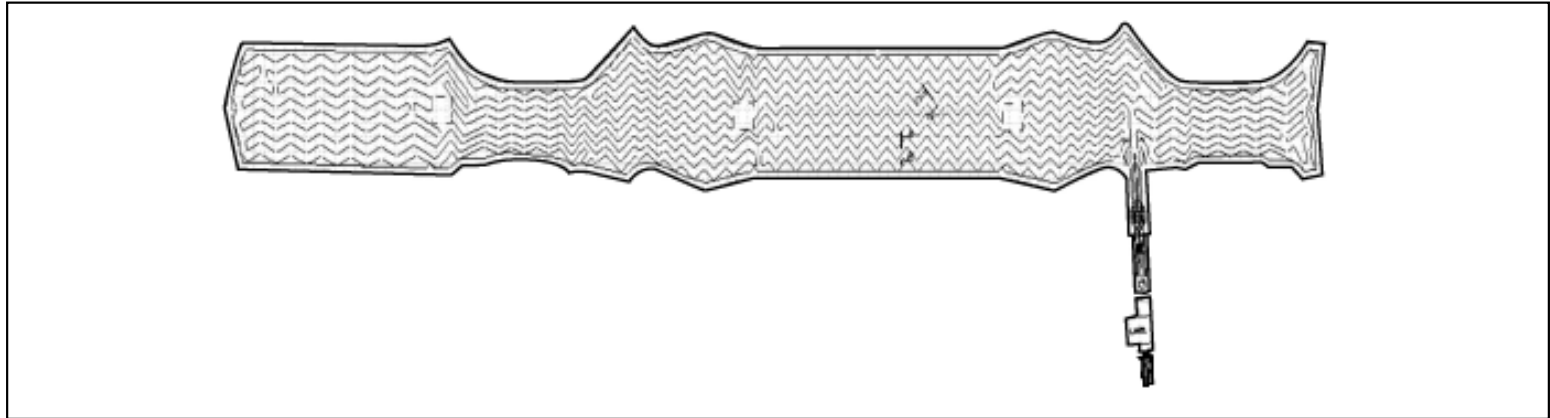
1. To install, reverse the removal procedures.

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Description

Heated pads to grip the steering grip makes the fever.

Heated pad

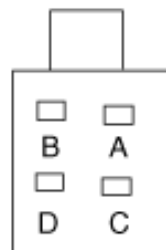
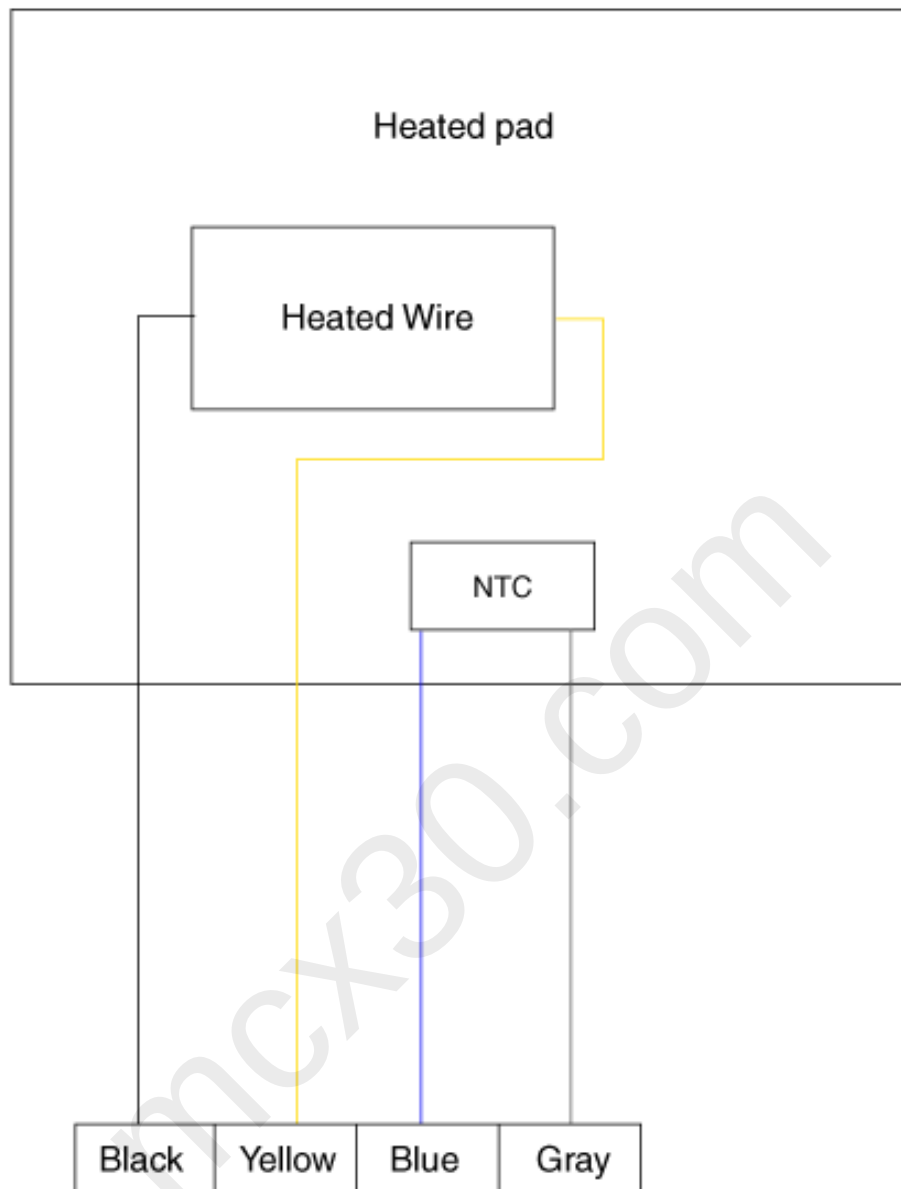


Specifications

Item	Specification
Voltage	13.5 V
Heated pad resistance	1.90 Ω $\pm$ 10 %
NTC resistance	10.0 k Ω $\pm$ 5 % (25 °C)

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System Circuit
Diagram



Heated Pad

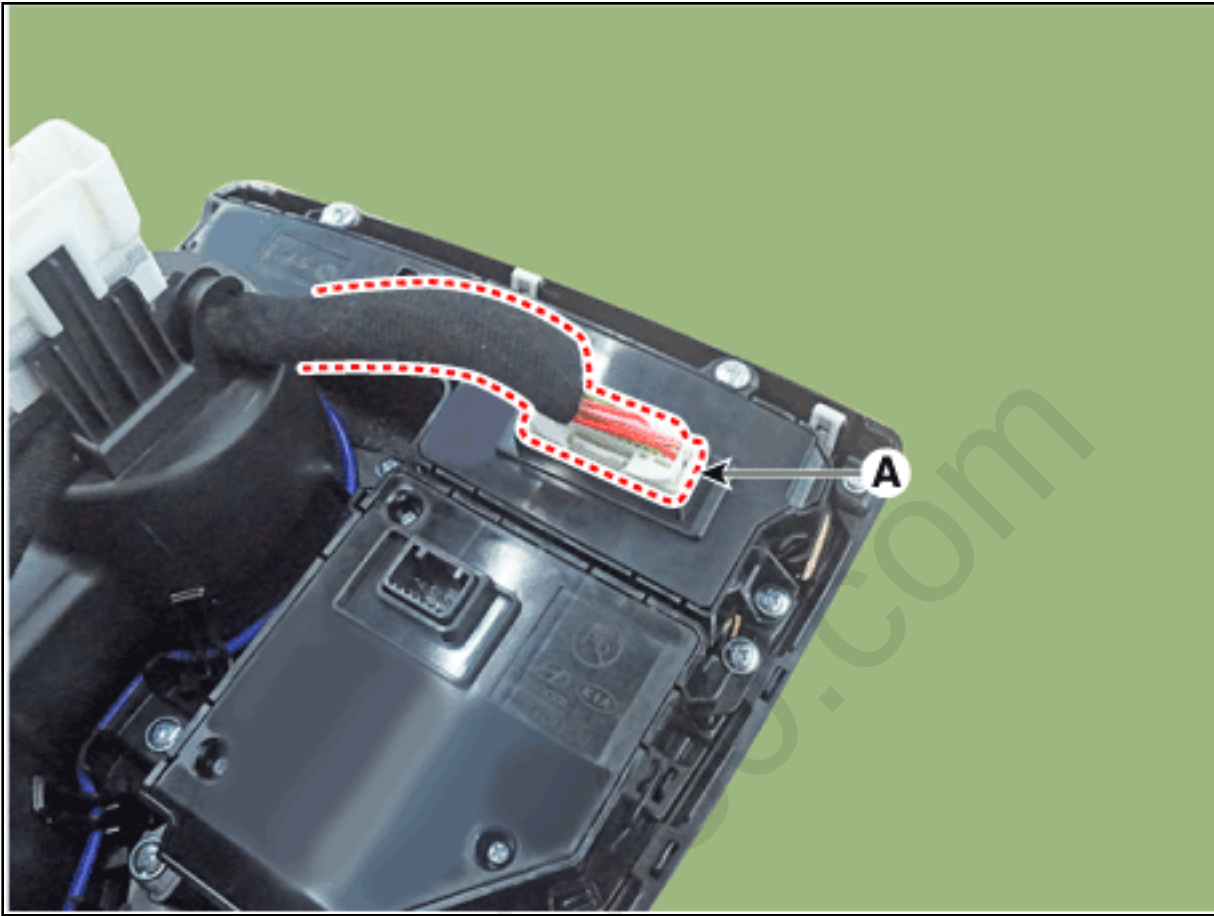
Terminal Function

Item	Pin	Function	Wire color
Heated Pad	A	HEATER -	Black
	B	HEATER +	Yellow
	C	NTC-	Blue
	D	NTC+	Gray

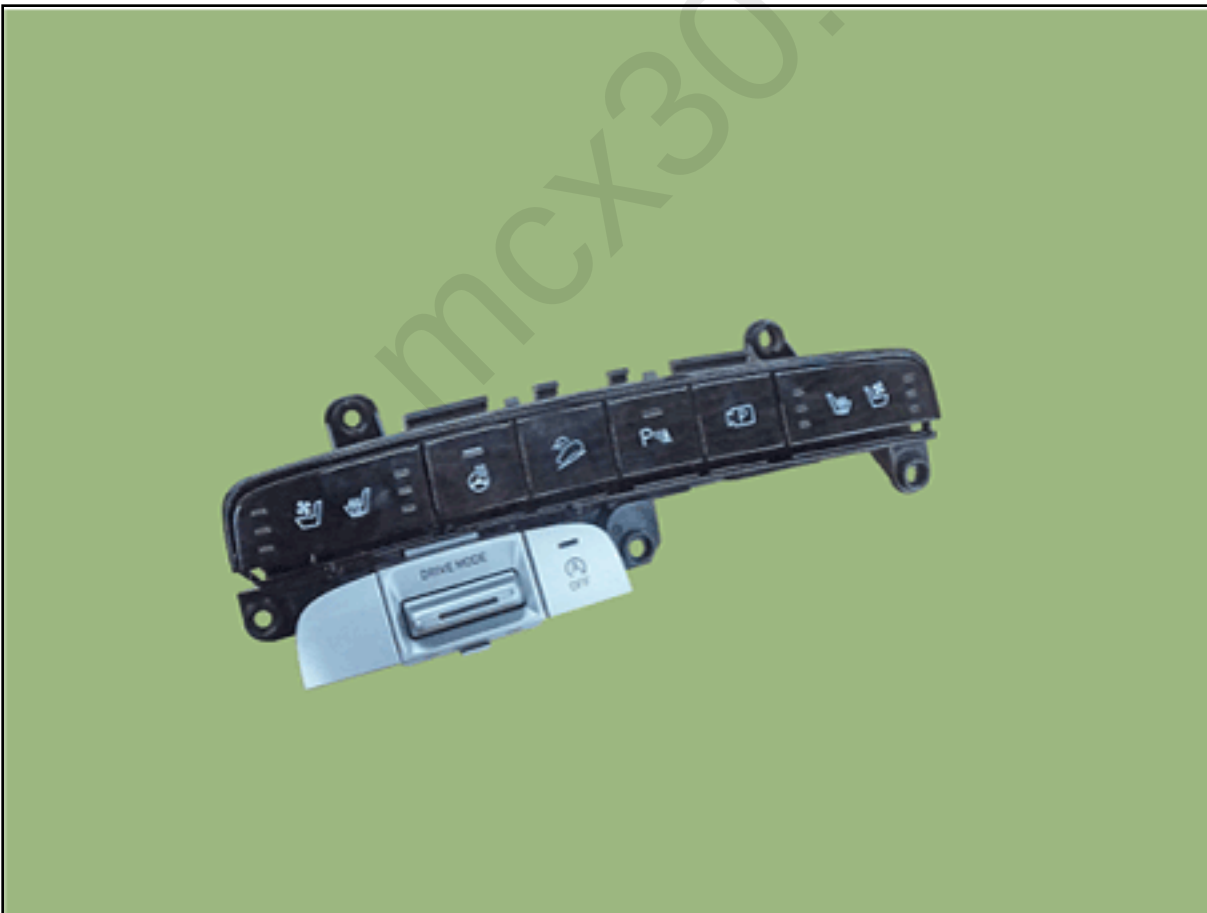
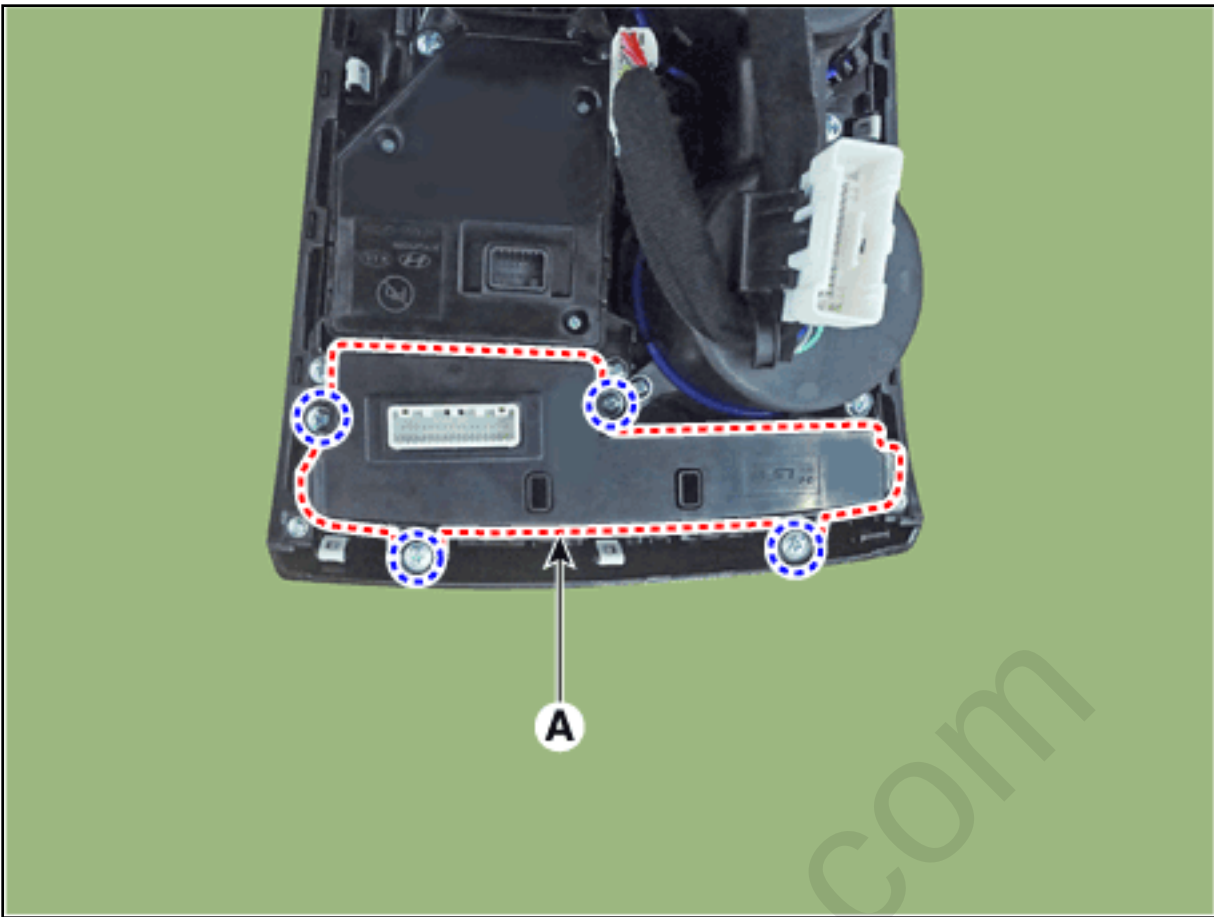
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Removal

1. Turn the ignition switch OFF and disconnect the battery negative (-) cable.
2. Remove the floor console upper cover.
- (Refer to Body - "Floor Console Assembly")**
3. Disconnect the floor console upper cover switch connector (A).

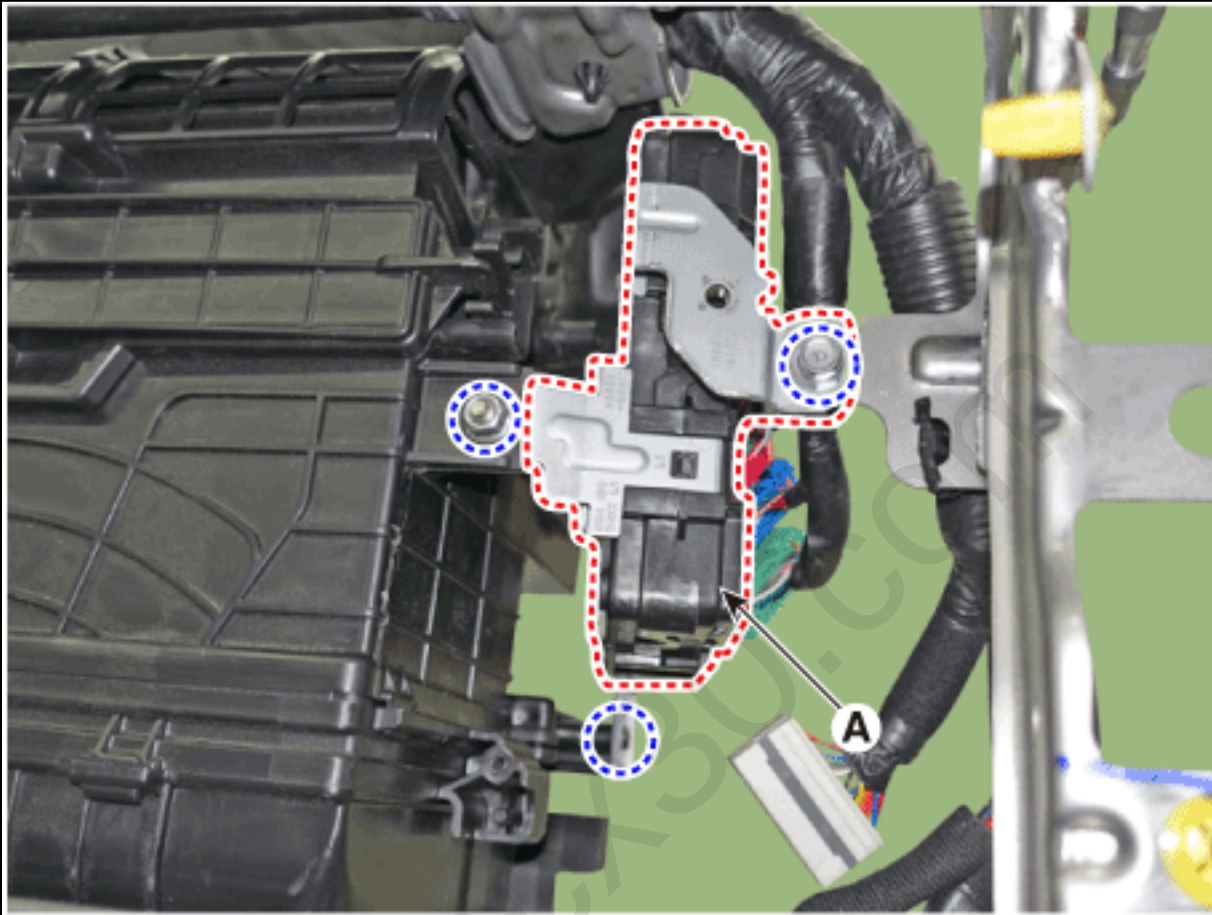


4. Remove the floor console upper cover switch (A) after loosening the mounting screw.



[Heated Steering Wheel Control Module (Integrated Body Control Unit (IBU))]

1. Turn the ignition switch OFF and disconnect the battery negative (-) cable.
2. Remove the glove box.
(Refer to Body - "Glove Box")
3. Remove the heater control unit.
(Refer to Heating,Ventilation And Air Conditioning - "Heater Control Unit")
4. Remove the IBU (A) after loosening the mounting bolts and nuts.

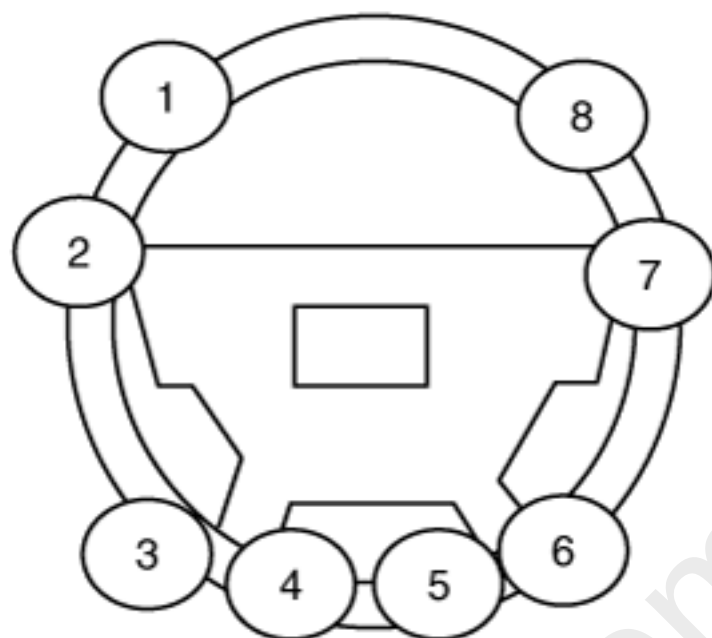


5. Remove the IBU (A) after disconnecting the connector.



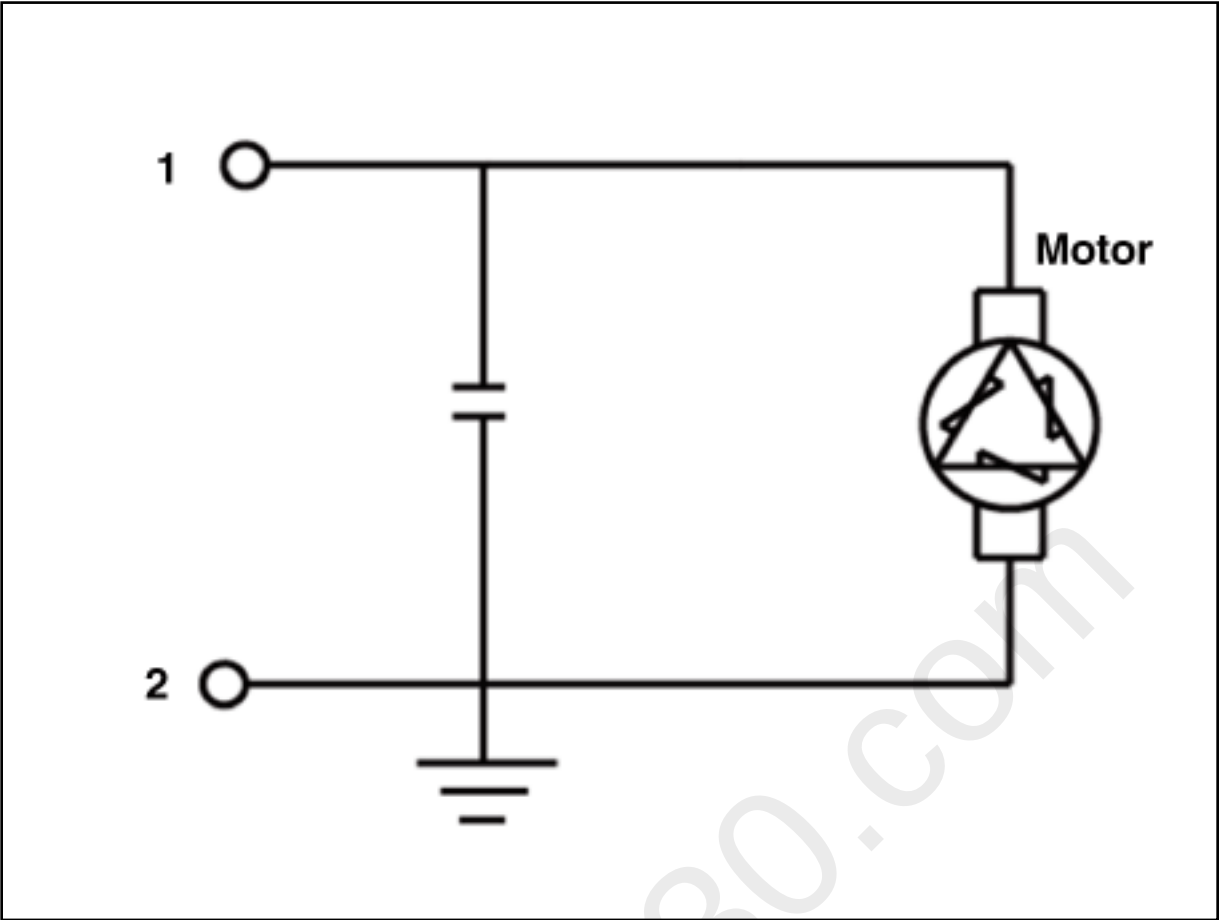
Inspection

1. Measure the resistance of NTC and Heated pad.
NTC resistance - $10.0\text{ k}\Omega \pm 5\%$ (25°C)
Heated pad resistance - $1.90\text{ }\Omega \pm 10\%$
2. Measure the temperature.
 - The temperature of wheel surface must rise from -20°C to 20°C in 6 minutes.
 - The temperature of wheel surface must reach $38^{\circ}\text{C} \pm 4^{\circ}\text{C}$ in 25 minutes.
 -



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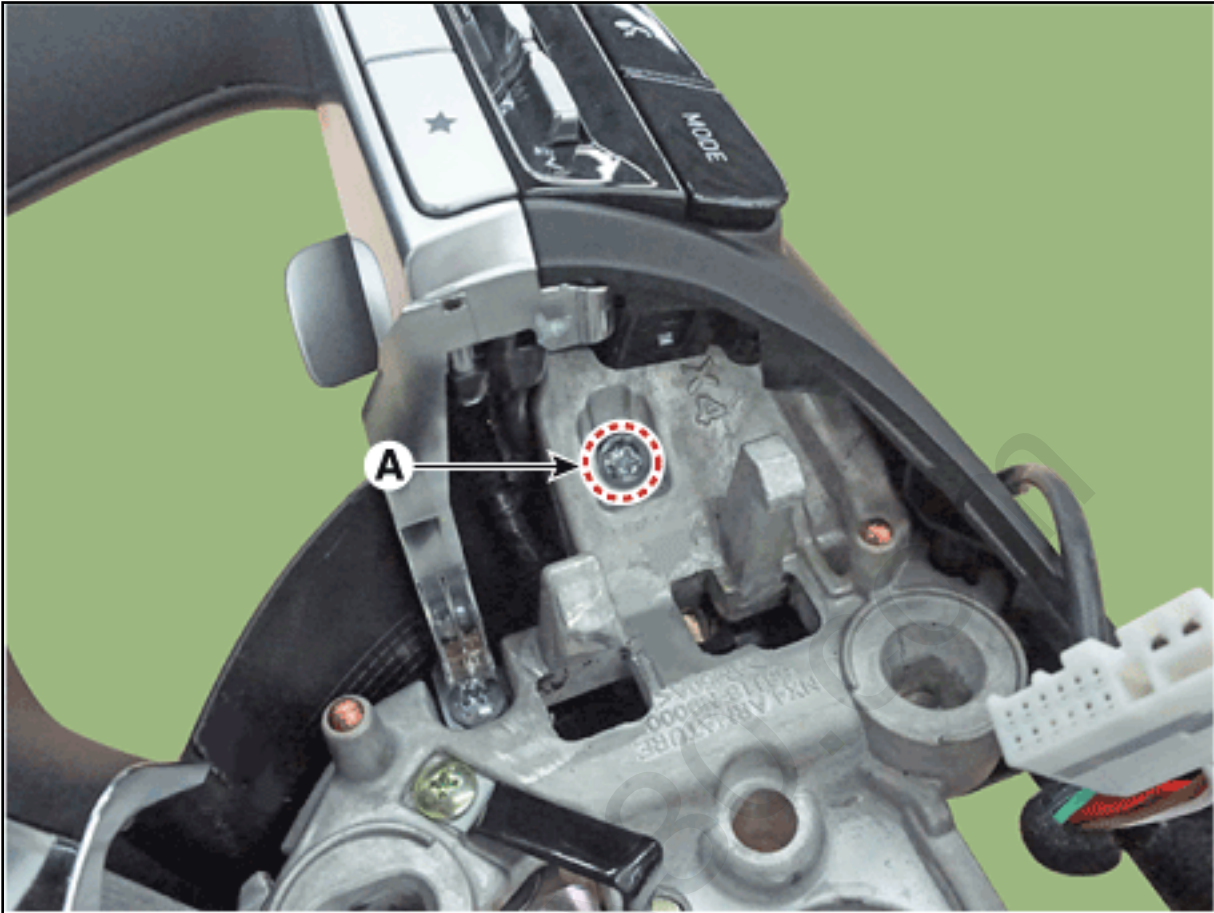
Schematic
Diagrams

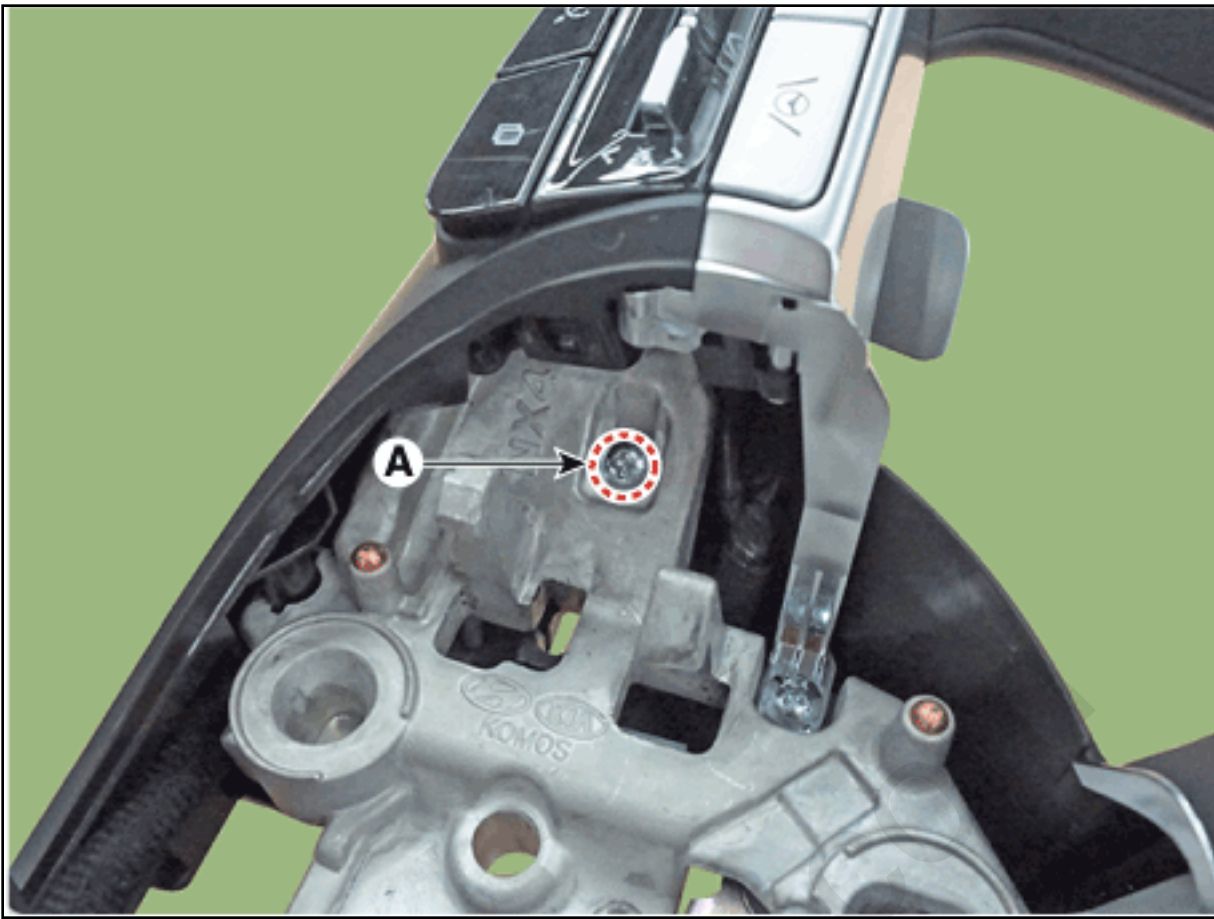


Pin No	Description
1	B +
2	GND

Removal

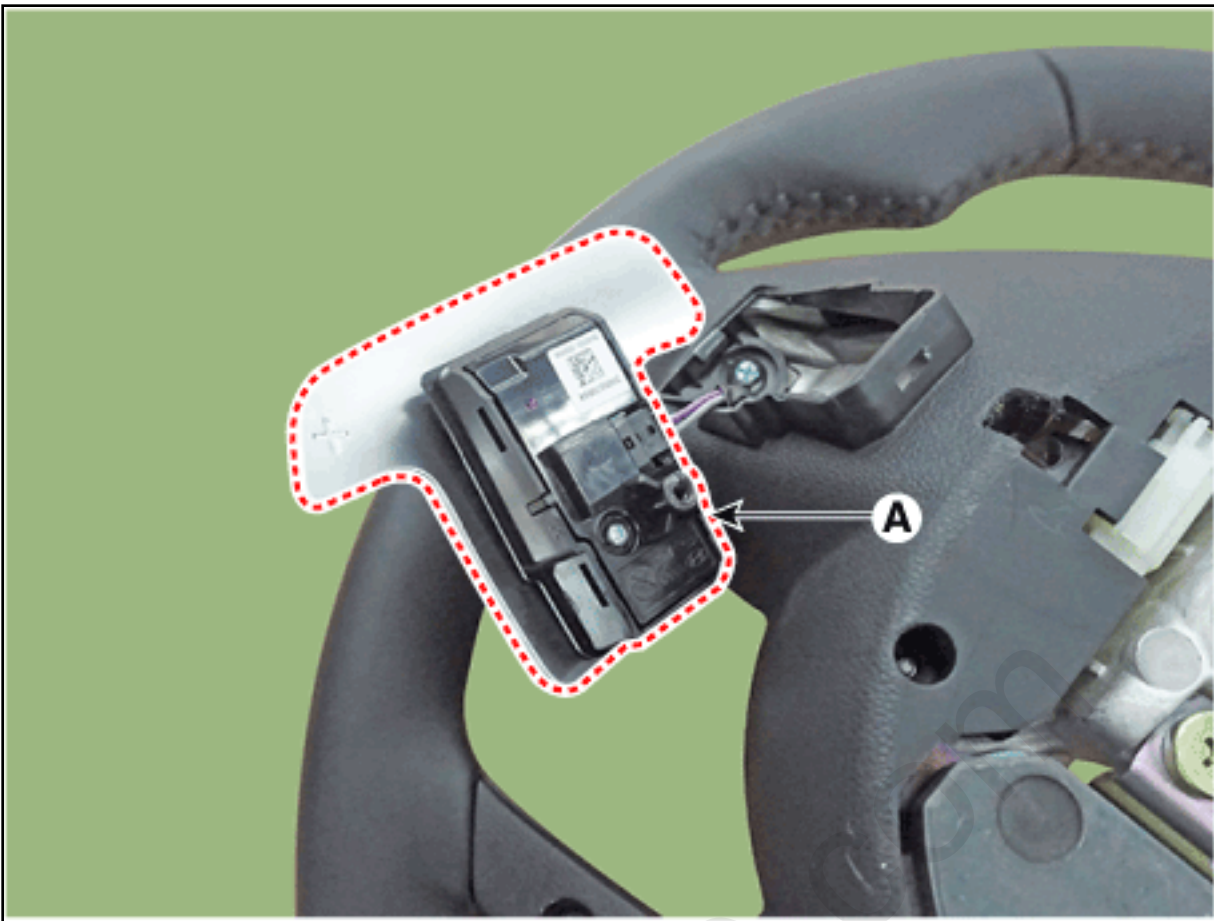
1. Remove the steering wheel.
(Refer to Steering Wheel - "Removal")
2. Loosen the paddle shift switch mounting screw (A).



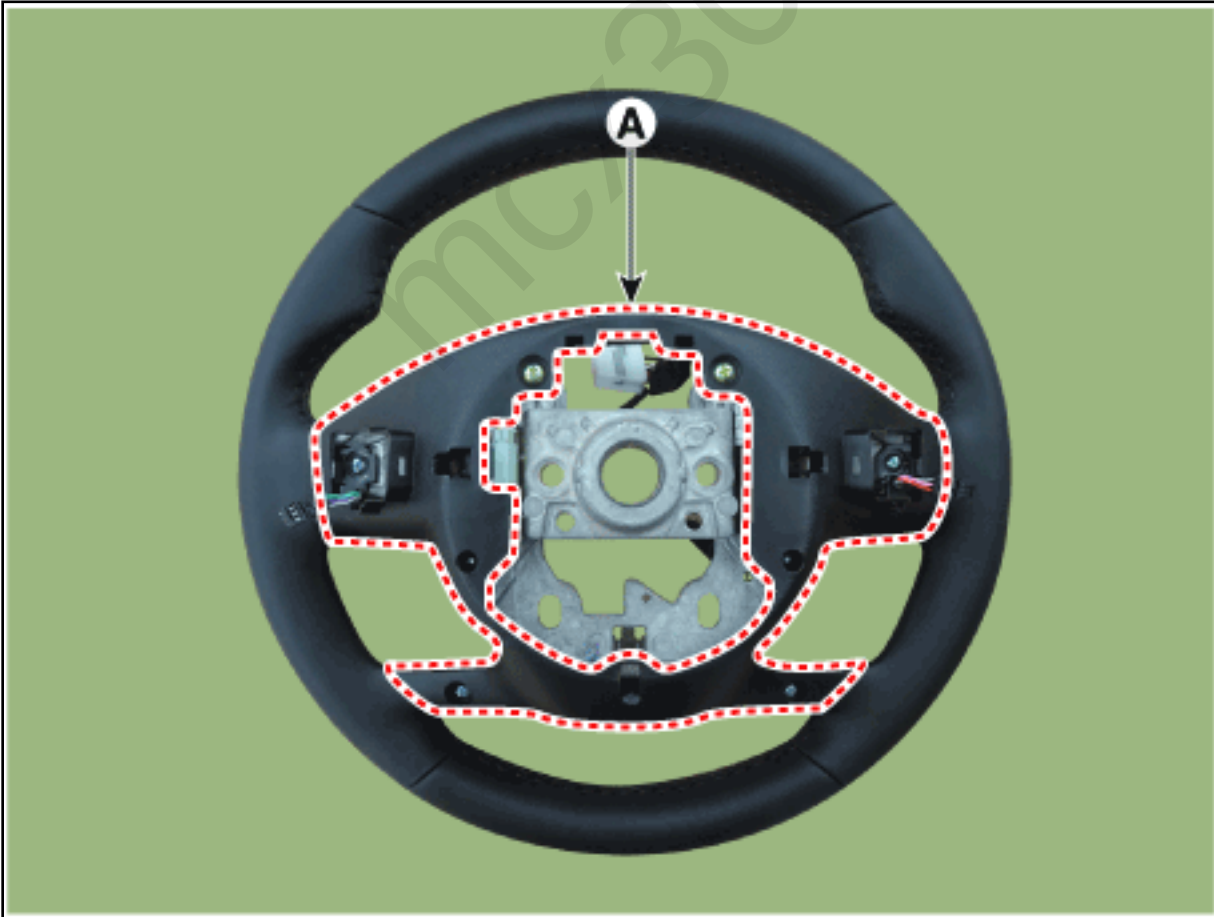


3. Remove the paddle shift switch (A) after disconnecting the connector.





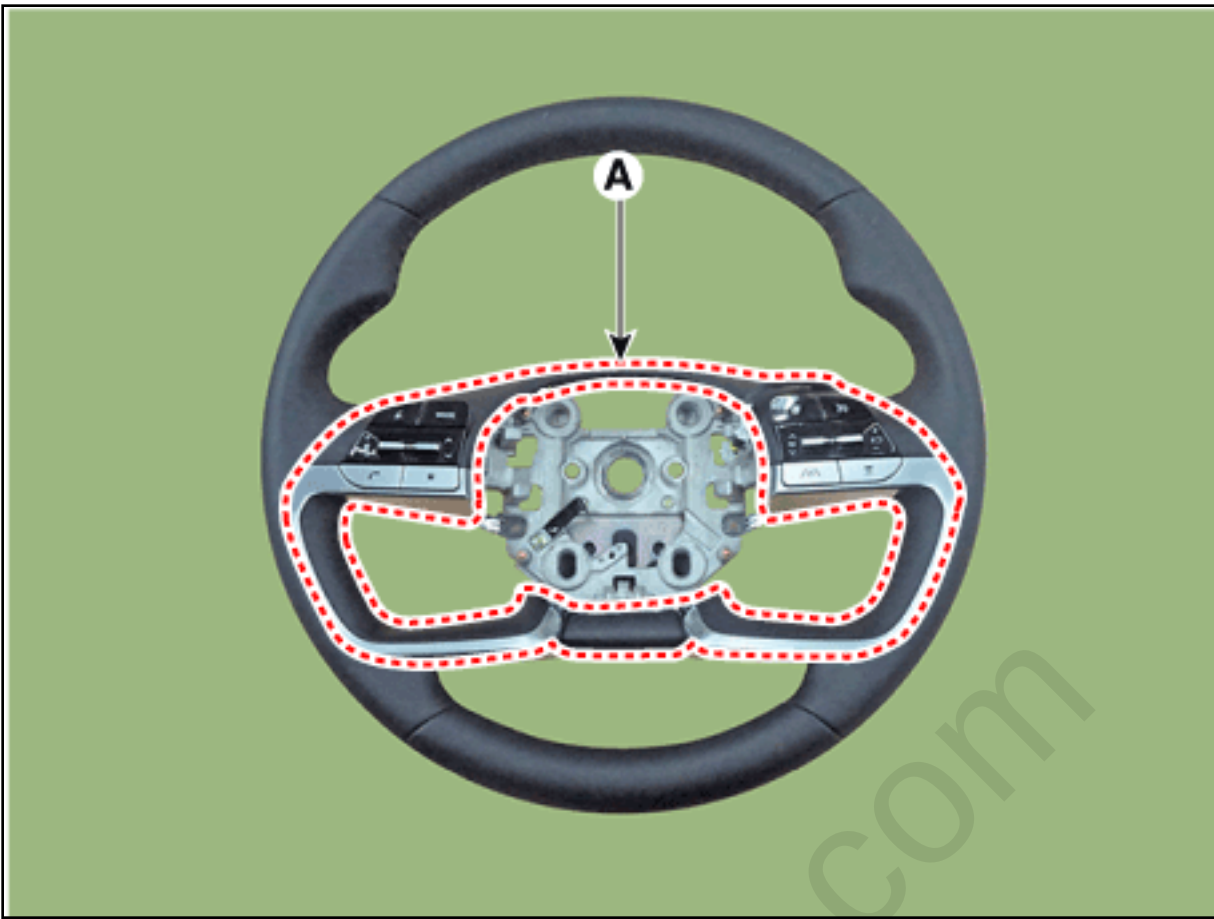
4. Remove the lower cover (A) after loosening the screw.



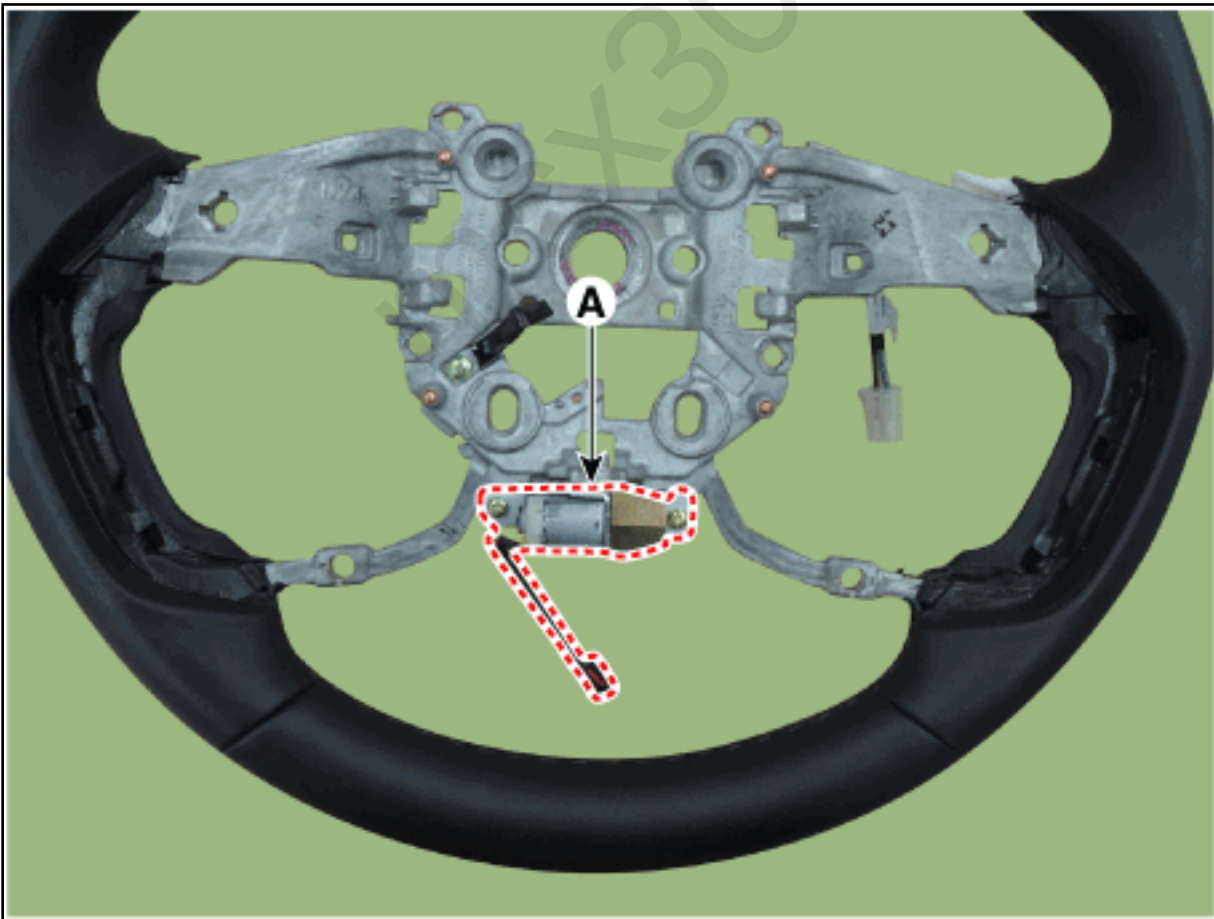
5. Disconnect the wiring (A).



6. Remove the steering wheel bezel (A).



7. Remove the haptic motor (A) after loosening the screws.



Installation

1. To install, reverse the removal procedures.

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