Clutch System / Ignition Lock Switch

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Specifications

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Item	Specifications
Working voltage	DC 12.5V ± 0.3V
Operating force	Initial position : 0.25 ± 0.15N(0.025 ± 0.015kg, 0.056 ± 0.034lb)
	Full position : 0.8 ± 0.2 N(0.08 ± 0.02 kgf, 0.579 ± 0.014 lb-ft)
Working temperature	-40°C - 80°C (-40°F - 176°F)

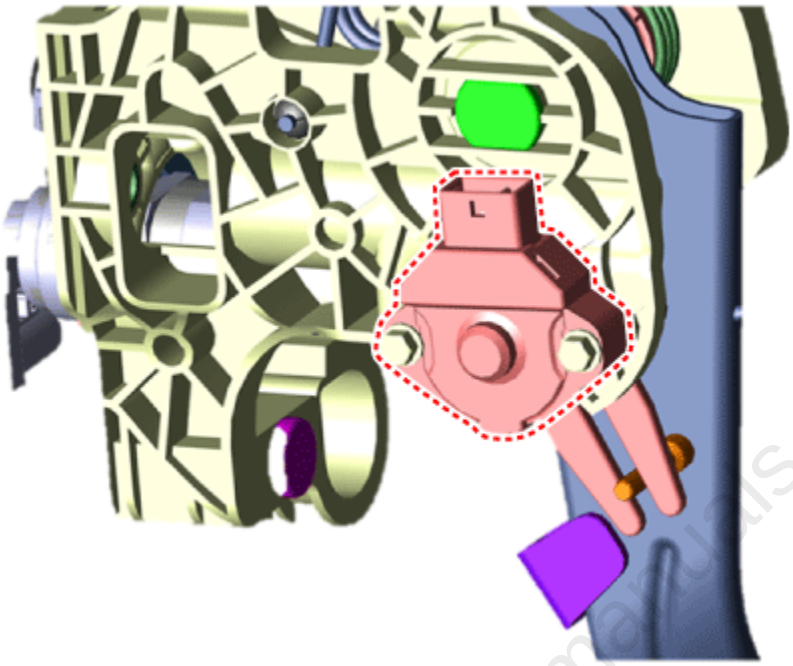
Description and operation

Description

- Ignition lock switch is mounted on the clutch pedal.
- Ignition lock switch is operated when you press the clutch pedal.

– If the clutch pedal is not pressed down, the engine is not started.

- Component Location



Repair procedures

Inspection

Component Inspection

1. Turn ignition switch OFF and disconnect the negative (-) battery cable.

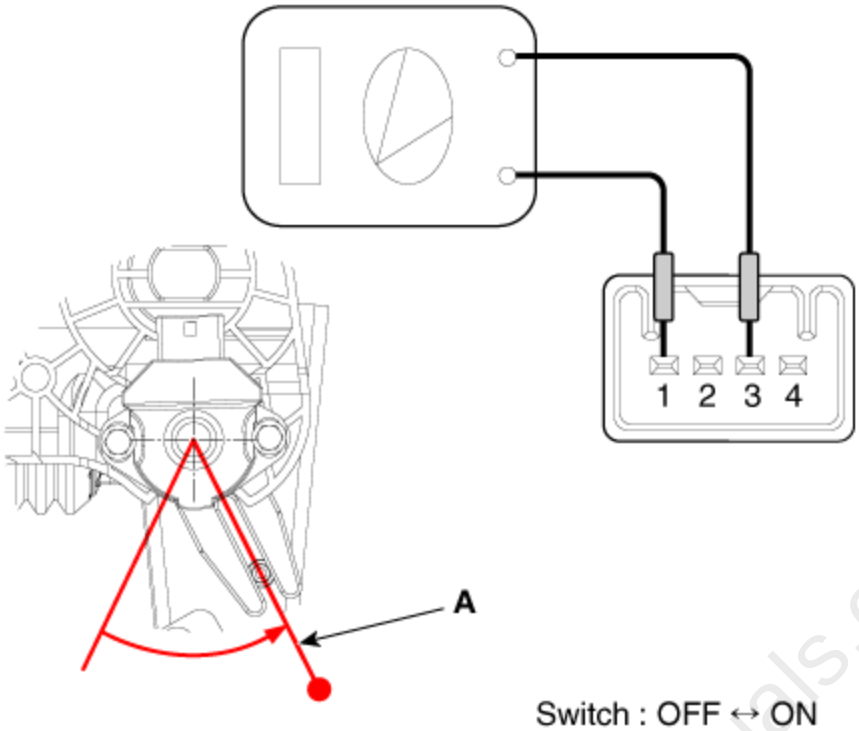
2. Remove the ignition lock & clutch switch.

3. Rotate the switch lever to the direction of the arrow to check the operating point (A).

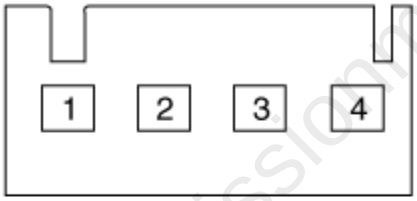
   Gasoline 1.6 : 52.5° ± 5.5°

   Gasoline 2.0 / Diesel 1.6 / Gasoline 1.6 T-GDI : 55° ± 5.5°

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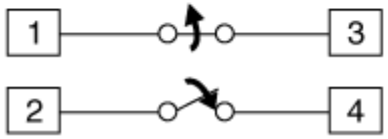


Switch : OFF ↔ ON



1. Clutch switch (+)
2. Ignition lock switch (+)
3. Clutch switch (-)
4. Ignition lock switch (-)

*** Circult Diagram**



Removal

1. Turn ignition switch OFF and disconnect the negative (-) battery cable.

2. Remove the crash pad lower panel.

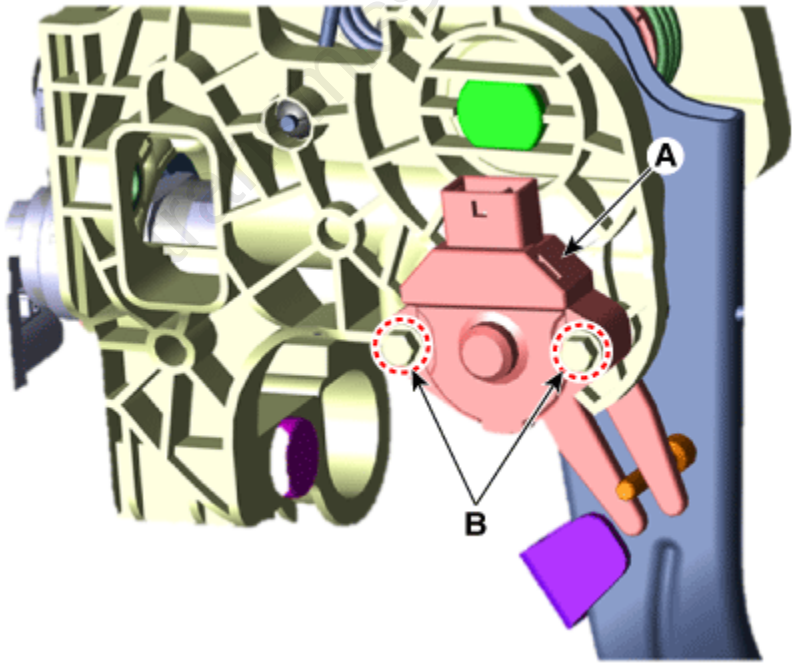
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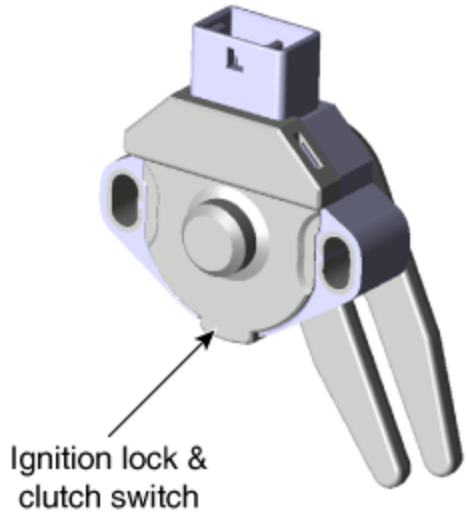
(Refer to Body - "Crash Pad Lower Panel")

3. Disconnect the ignition lock & clutch switch connector (A).



4. Remove the ignition lock & clutch switch (A) after removing the bolts (B).





Installation

1.

Install using the procedure as follows.

※ How to install the ignition lock & clutch switch

(1)

After inserting the switch lever (A) into the clutch pedal pin (B), pre-tighten the switch mounting bolt (C).

(2)

Set the clutch switches so as to confirm that the electric current is applied to the pins ② and ④.

(3)

Fix the clutch pedal to the ignition lock switch OFF→ON strokes (D).

(4)

With the pedal fixed, rotate the switch clockwise and counter-clockwise to set it to a position at the transition from OFF to ON. Then, tighten the mounting bolt (C) to the specified torque.

(5)

Once completing the assembly, check again that the switch is correctly operating.

OFF → ON Position (D)

Gasoline 1.6 : 121.8 ± 7.7 mm (4.7953 ± 0.3031 in.)

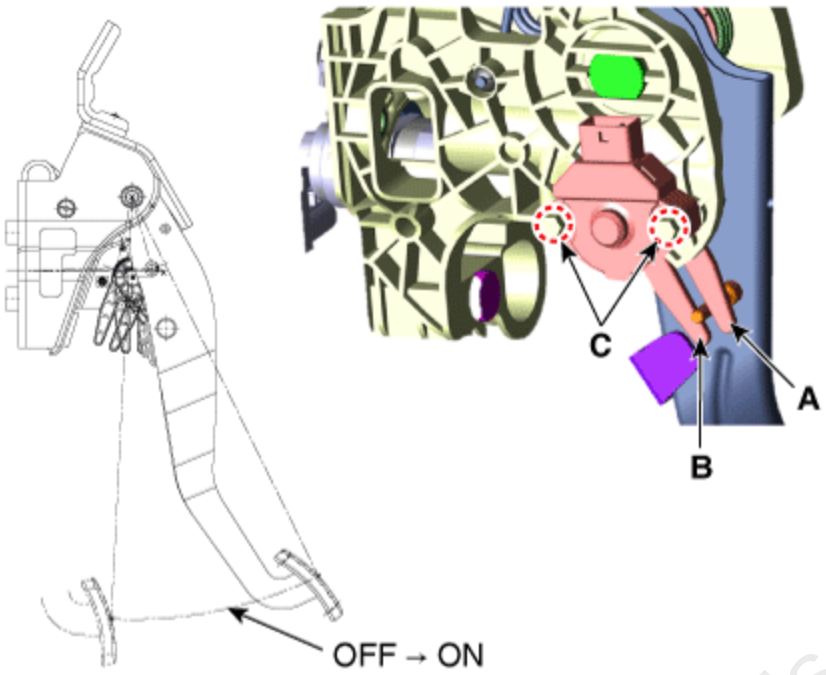
Gasoline 2.0 / Diesel 1.6 / Gasoline 1.6 T-GDI : 127.5 ± 7.7 mm (5.0197 ± 0.3031 in.)

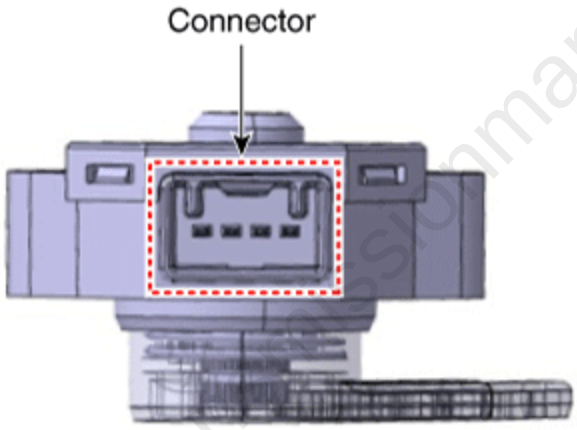
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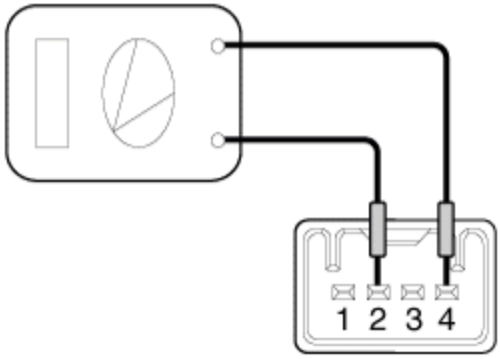
Tightening torque :

2.0 - 5.9 N·m (0.2 - 0.6 kgf·m, 1.4 - 4.3 lb·ft)

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Type	Item Check
Ignition lock swtich	

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Clutch Cover And Disc

Components and components location Components [Gasoline 1.6 / Diesel 1.6 / Gasoline 1.6 T-GDI] 1. Manual transaxle assembly 2. Clutch cover assembly ...

Clutch Switch

Specifications Specifications Item Specifications Working voltage DC 12.5V ± 0.3V Operating force In ...

Other information:

Kia Forte 2019-2023 (BD) Owners Manual: Trunk

Opening the trunk 1.Make sure the shift lever is in P (Park, For Dual clutch transmission/ Intelligent Variable Transmission) or first gear or R (Reverse, For Manual Transmission) and set the parking brake. 2.Then do one of the following : - Press the Remote key or Smart Key Trunk U ...

Kia Forte 2019-2023 (BD) Service Manual: Windshield Glass

Components and components location Components 1. Windshield glass 2. Windshield glass molding Repair procedures Replacement [Removal] Put on gloves to prevent hand ...

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