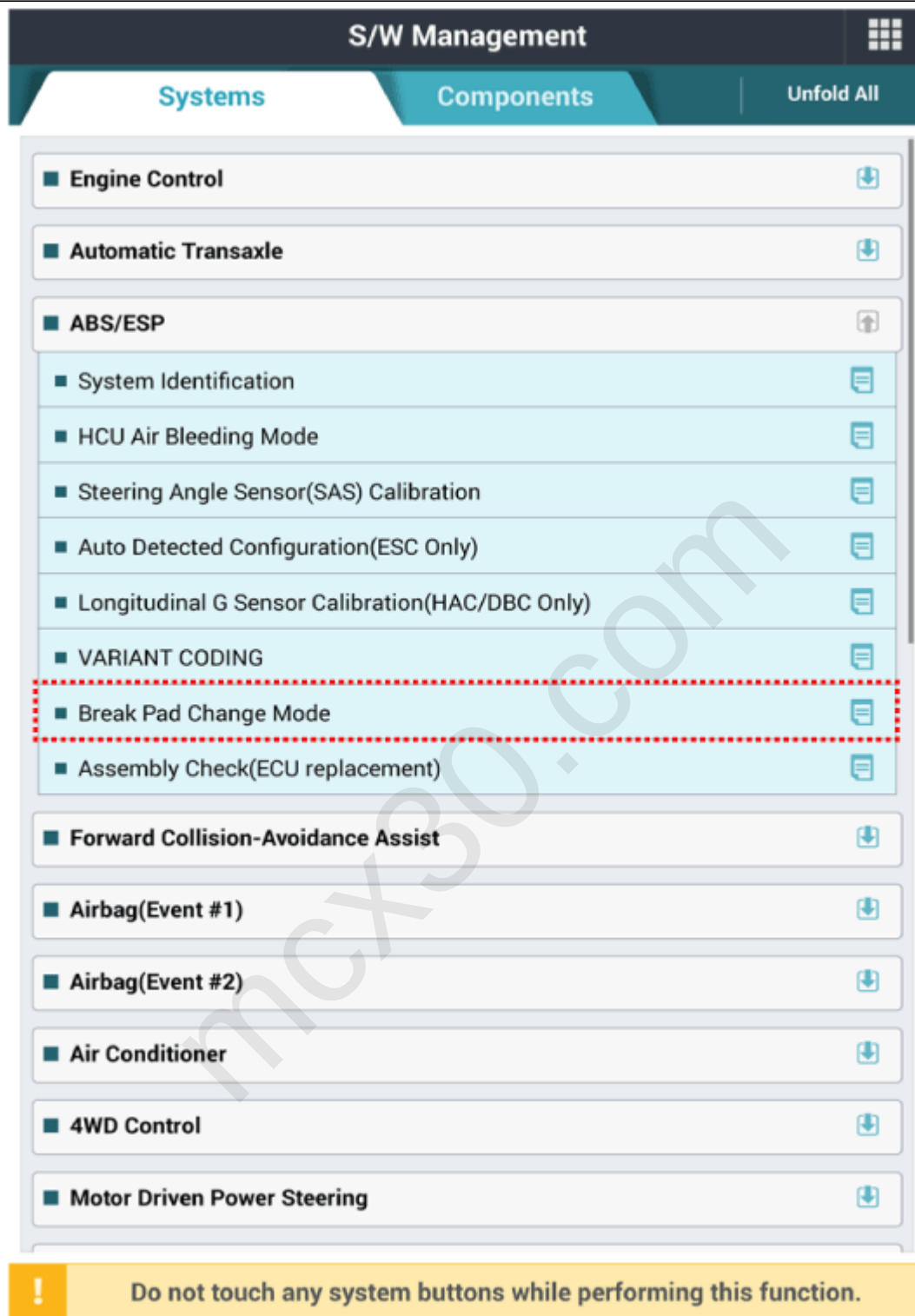


Removal

1. Before removing the rear caliper, perform â Brake Pad Replacement Modeâ using the GDS.
Raise the vehicle, and make sure it is securely supported.





• Pad Change Mode

Purpose	To push the piston into caliper by retracting spindle nut with actuator for replacing brake pad.
Enable Condition	1.Engine Off 2.Ignition Switch On
Concerned Component	Electric Parking Brake(EPB) ECU, EPB Switch, Brake Caliper, Cluster
Concerned DTC	-
Fail Safe	-
Etc	C1 : Applying C2 : Releasing

OK



Do not touch any system buttons while performing this function.

2. Select C2 (Release) on the screen below.

SW Management

■ Brake Pade Change Mode

● [Brake Pade Change Mode]

Before changing brake pad, this function should be performed,
This will allow you to push the piston in to caliper by retracting
spindle nut with actuator.

Whille Pad change mod is in progress, text message is displayed at cluster.

After changing brake pad, ApplyRelease function should be executed 3 times.

● [Condition]

Engine OFF

IG ON

C1: Apply

C2: Release

C1

C2

Cancel



Do not touch any system buttons while performing this function.

3. Turn ignition switch OFF and disconnect the negative (+) battery cable.
4. Loosen the wheel nuts slightly.
Raise the vehicle, and make sure it is securely supported.
5. Remove the rear wheel and tire (A) from the rear hub.

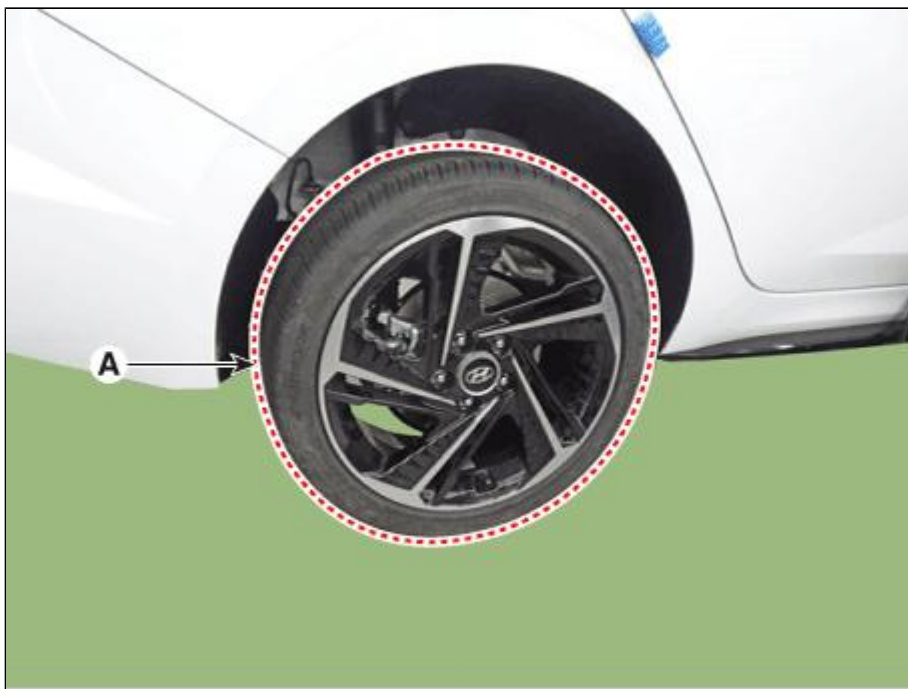
Tightening torque :

107.9 - 127.5 N.m (11.0 - 13.0 kgf.m, 79.6 - 94.0 lb-ft)

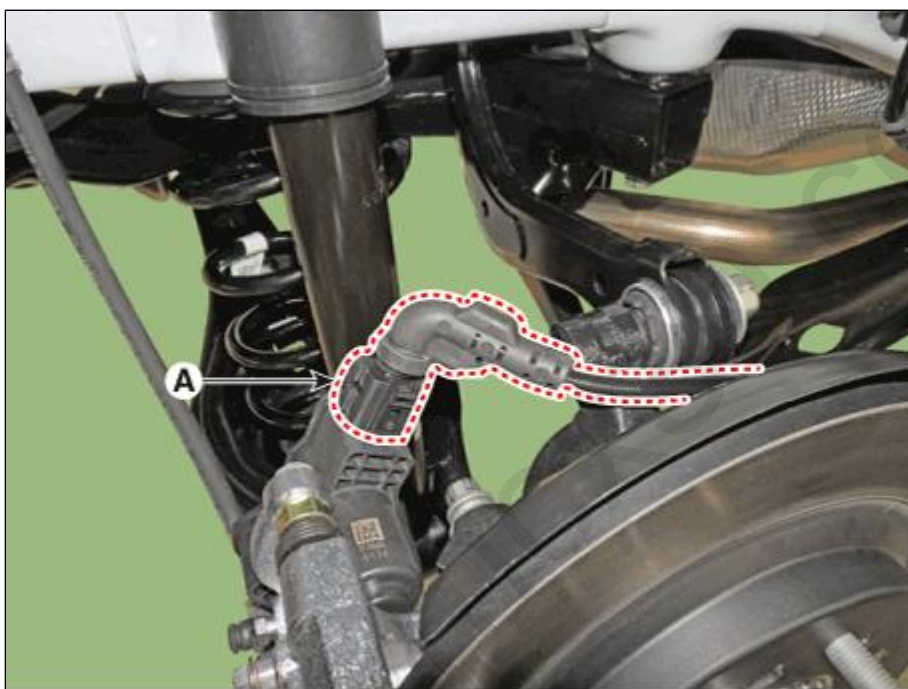
NOTICE

⚠ Be careful not to damage the hub bolts when removing the rear wheel and tire (A).

¢



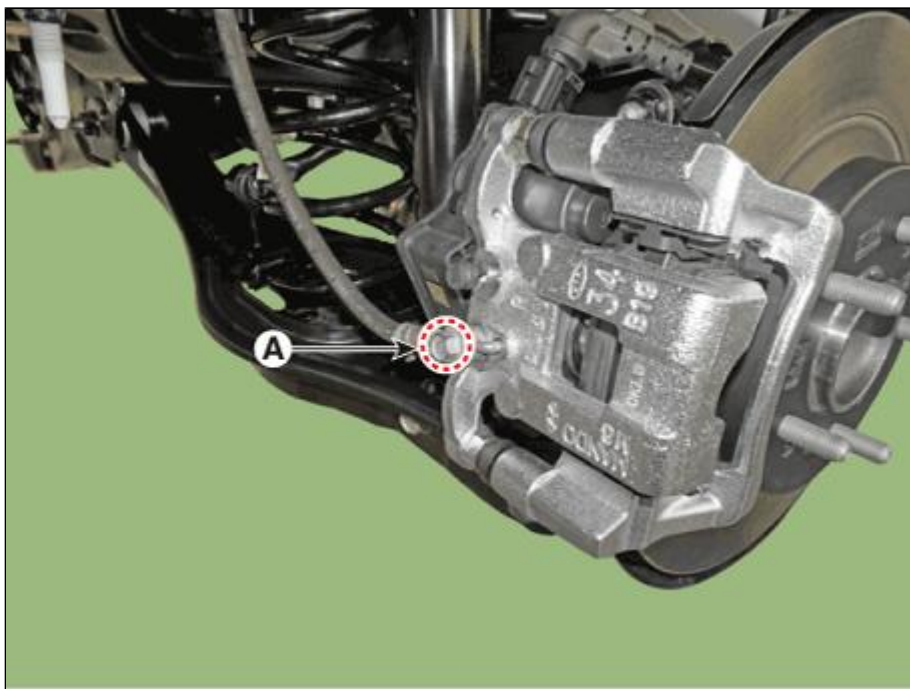
6. Disconnect the EPB actuator connetor (A).



7. Remove the hose after loosening the brake hose bolt (A) from the caliper.

Tightening torque :

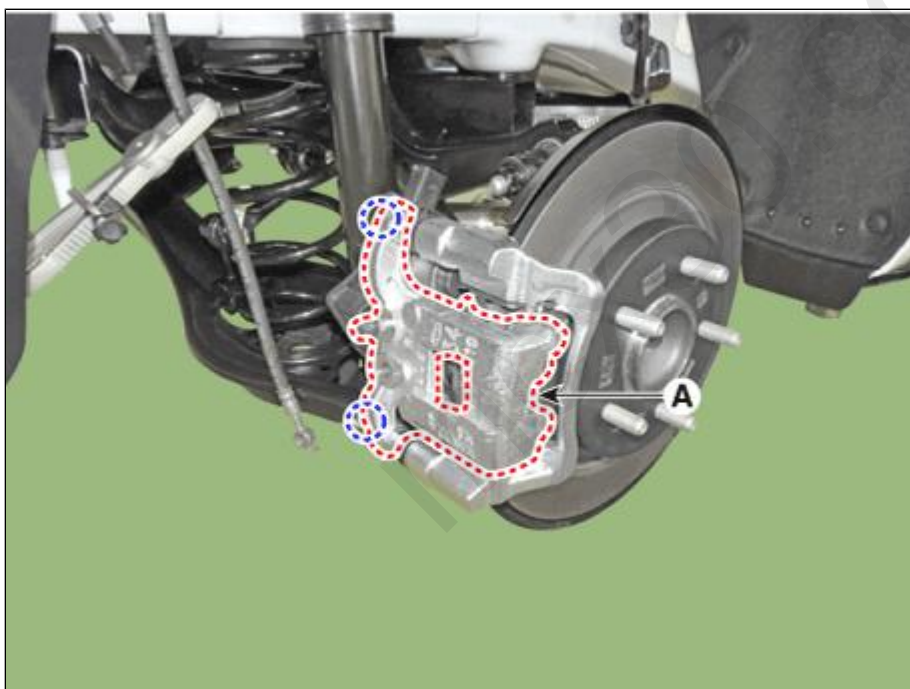
24.5 - 29.4 N.m (2.5 - 3.0 kgf.m, 18.1 - 21.7 lb-ft)



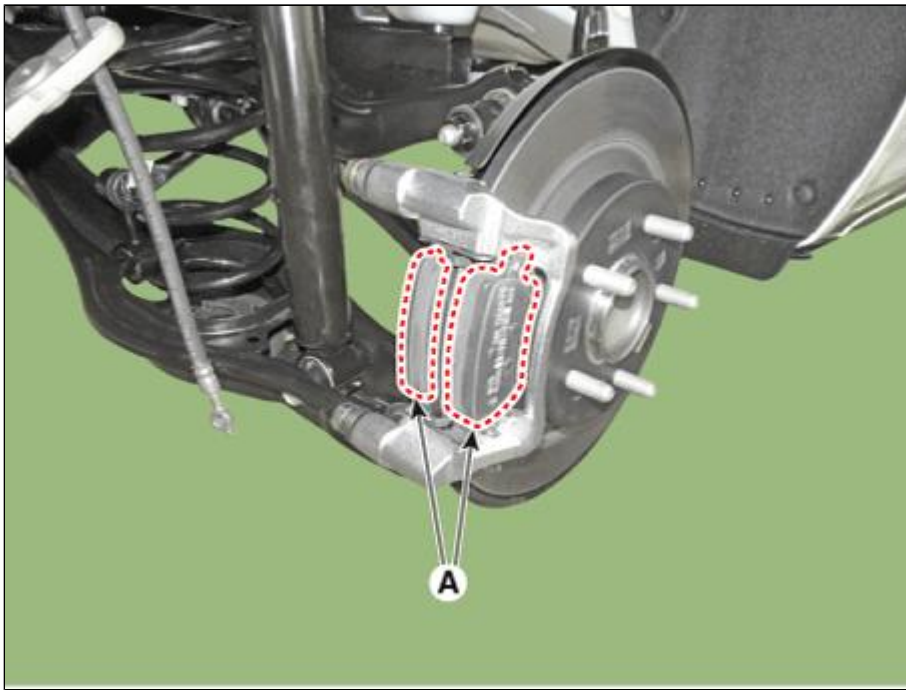
8. Remove the caliper body (A) after loosening the guide rod bolts.

Tightening torque :

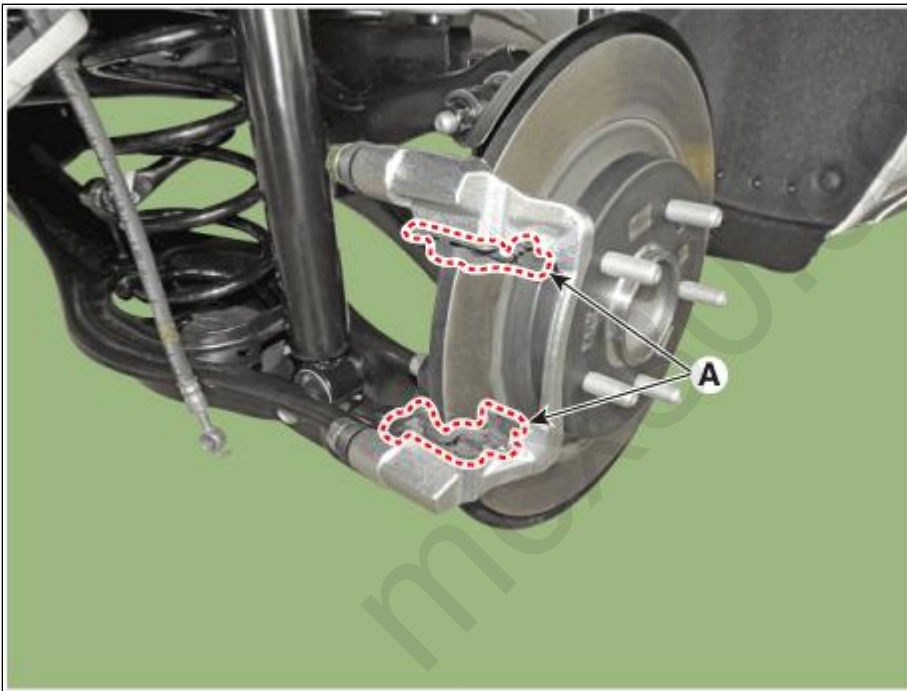
21.6 - 31.4 N.m (2.2 - 3.2 kgf.m, 15.9 - 23.1 lb-ft)



9. Remove the brake pad (A).



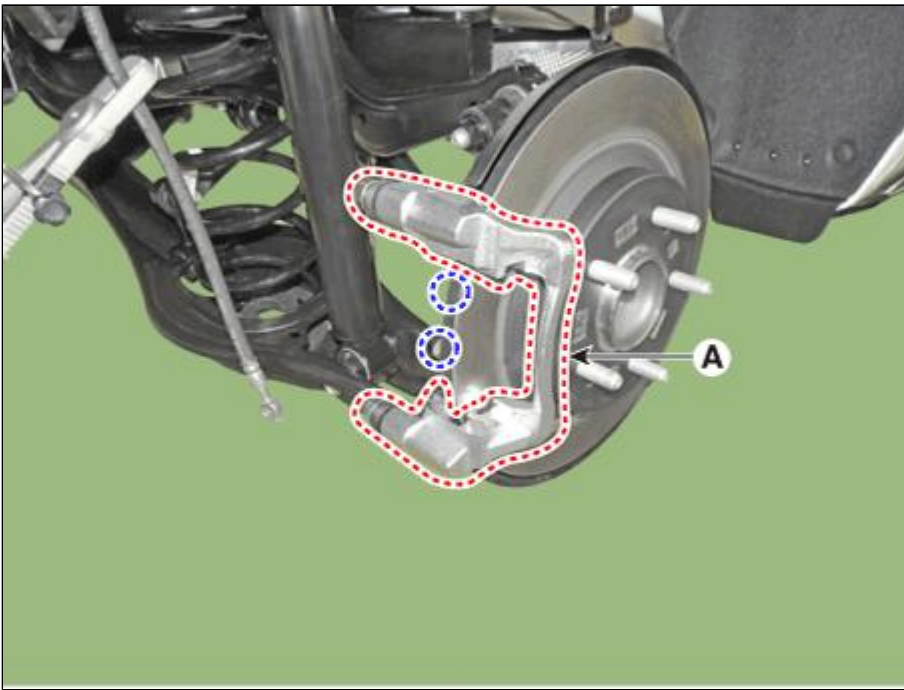
10. Remove the pad liner (A).



11. Remove the caliper carrier (A) after loosening the caliper mounting bolt.

Tightening torque :

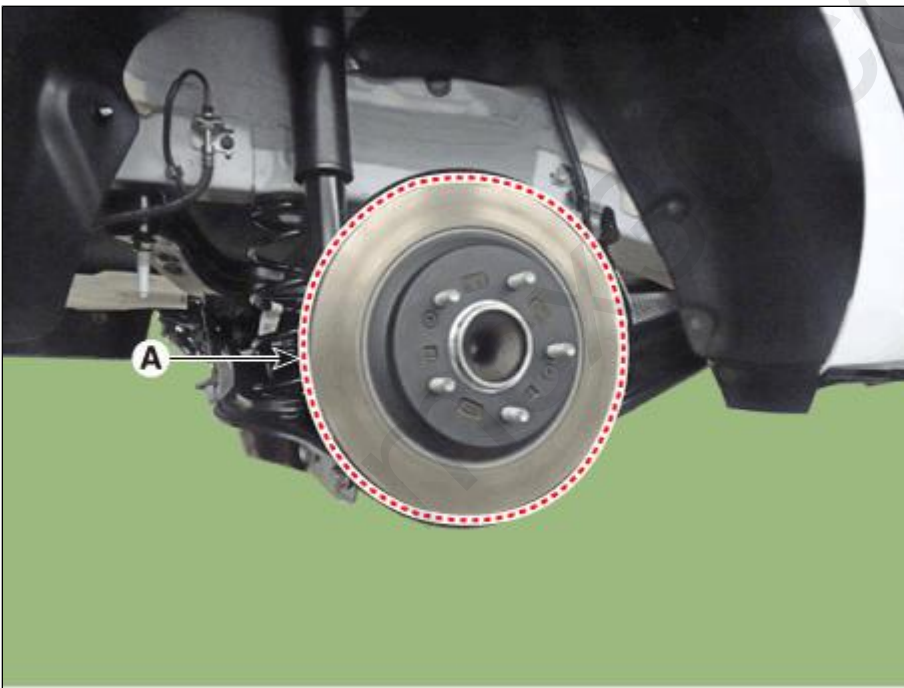
78.5 - 98.1 N.m (8.0 - 10.0 kgf.m, 57.9 - 72.3 lb-ft)



12. Remove the rear brake disc (A) after loosening the screw.

Tightening torque :

4.9 - 5.9 N.m (0.5 - 0.6 kgf.m, 3.6 - 4.3 lb-ft)



Inspection

Rear Brake Disc Thickness Check

1. Check the brake disc for damage and cracks.
2. Remove all rust and contamination from the surface, and measure the disc thickness at 24 points, at least, of same distance 5 mm (0.20 in) from the brake disc outer circle.

Rear Brake disc thickness

Standard : 10.0 mm (0.39 in)

Service limit : 8.4 mm (0.33 in)

Deviation : less than 0.015 mm (0.0001 in)



3. If wear exceeds the limit, replace the discs and pad assembly left and right of the vehicle.

Rear Brake Disc Runout Check

1. Place a dial gauge about 10 mm (0.20 in) from the outer circumference of the brake disc, and measure the runout of the disc.

Brake disc runout

Limit : 0.055 mm (0.0020 in) or less (new one)



2. If the runout of the brake disc exceeds the limit specification, replace the disc, and then measure the runout again.
3. If the runout cannot be corrected by changing the position of the brake disc, replace the brake disc.

Installation

1. Install in the reverse order of removal.
2. When installing, press and rotate the piston into the caliper body until it is fully retracted.



3. After installation, bleed the brake system.
(Refer to Brake system - "Brake Bleeding Procedures")
4. After installing the rear caliper, perform a Brake Pad Replacement Mode using the self-diagnosis.



■ Engine Control	
■ Automatic Transaxle	
■ ABS/ESP	
■ System Identification	
■ HCU Air Bleeding Mode	
■ Steering Angle Sensor(SAS) Calibration	
■ Auto Detected Configuration(ESC Only)	
■ Longitudinal G Sensor Calibration(HAC/DBC Only)	
■ VARIANT CODING	
■ Break Pad Change Mode	
■ Assembly Check(ECU replacement)	
■ Forward Collision-Avoidance Assist	
■ Airbag(Event #1)	
■ Airbag(Event #2)	
■ Air Conditioner	
■ 4WD Control	
■ Motor Driven Power Steering	



Do not touch any system buttons while performing this function.



• Pad Change Mode

Purpose	To push the piston into caliper by retracting spindle nut with actuator for replacing brake pad.
Enable Condition	1.Engine Off 2.Ignition Switch On
Concerned Component	Electric Parking Brake(EPB) ECU, EPB Switch, Brake Caliper, Cluster
Concerned DTC	-
Fail Safe	-
Etc	C1 : Applying C2 : Releasing

OK



Do not touch any system buttons while performing this function.

5. Select C1 (Apply) on the screen below.

SW Management

■ Brake Pade Change Mode

● [Brake Pade Change Mode]

Before changing brake pad, this function should be performed,
This will allow you to push the piston in to caliper by retracting
spindle nut with actuator.

Whille Pad change mod is in progress, text message is displayed at cluster.

After changing brake pad, ApplyRelease function should be executed 3 times.

● [Condition]

Engine OFF

IG ON

C1: Apply

C2: Release

C1

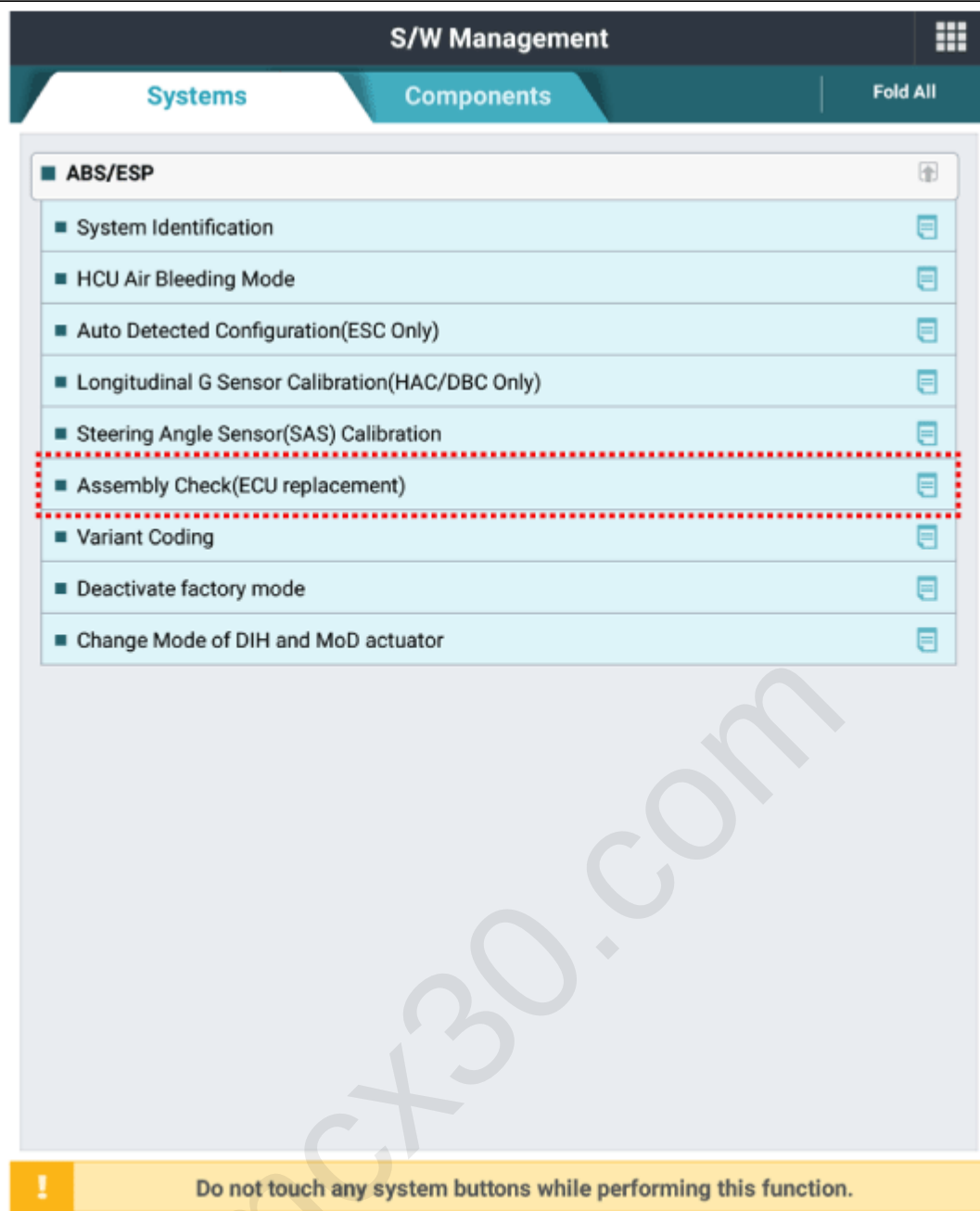
C2

Cancel



Do not touch any system buttons while performing this function.

6. After replacing the rear caliper, make sure that the caliper is installed correctly by performing "Check assembling (ECU replaced)" from the option



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