

# CLUTCH PEDAL

## CLUTCH PEDAL

To ESM

### On Board Inspection

#### HEIGHT INSPECTION

1. Make sure clutch pedal height  $H_1$  from upper surface of the dash panel is within the specified range.

##### Pedal height $H_1$

- : 160 - 169 mm (6.30 - 6.65 in) (LHD with CR engine)  
(LHD K9K engine with-out charge air cooler)
- : 164 - 174 mm (6.46 - 6.85 in) (RHD with CR engine)  
(RHD K9K engine with-out charge air cooler)
- : 170 - 180 mm (6.69 - 7.09 in) (LHD K9K engine with charge air cooler)
- : 175 - 185 mm (6.89 - 7.23 in) (RHD K9K engine with charge air cooler)

2. If pedal height  $H_1$  is outside the specification, replace pedal assembly.
3. Make sure free play  $A$  at pedal pad top surface and pedal height  $H_2$  when clutch is disengaged are within the ranges specified below.

##### A: Pedal free play at the pedal pad

- : 0.5 mm (0.02 in)

##### Pedal height $H_2$ when clutch is disengaged

- : 100 mm (3.94 in) or more (CR engine)

4. If free play  $A$  at pedal pad top surface and pedal height  $H_2$  when clutch is disengaged are outside the specification, replace clutch pedal assembly.

#### PLAY INSPECTION

- Press the clutch pedal by hand until certain resistance can be felt. Using a scale, Make sure the free play is within the specified range.

##### Pedal free play

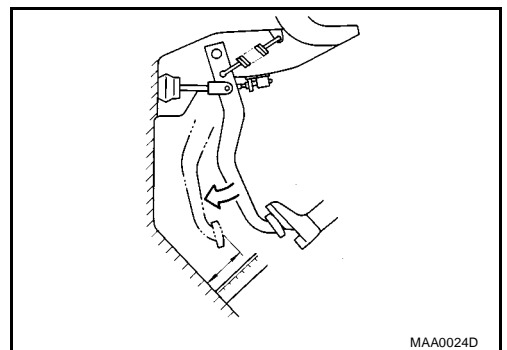
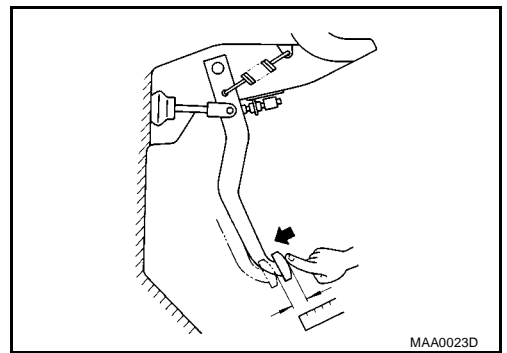
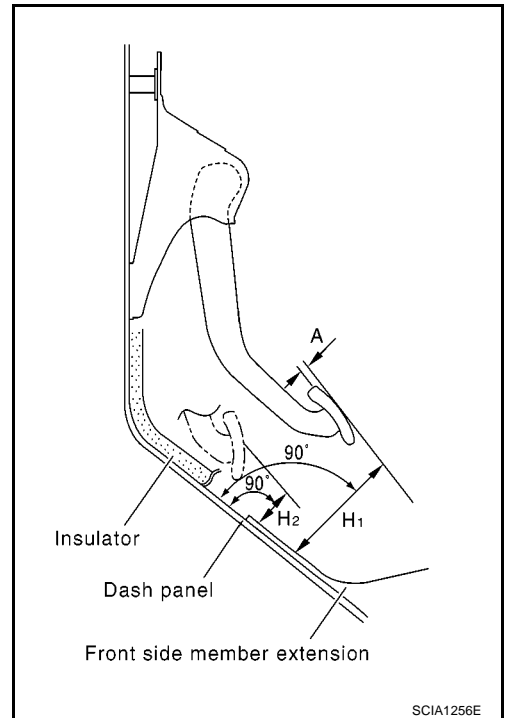
- : 0.5 mm (0.02 in)

#### CLEARANCE CHECK

1. Start the engine and let it idle.
2. Apply parking brake.
3. Depress the brake pedal.
4. Fully depress clutch pedal and shift to 1st gear.
5. Release clutch pedal gradually. Using a scale, check the clearance between the clutch pedal and floor panel to see if it is within the specified range.

##### Pedal height when the clutch disengages

- : 100 mm (3.94 in) or more (CR engine)



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**NOTE:**

Pedal height at clutch disengagement varies slightly from the clutch engagement point. Despite this, pedal height at clutch engagement is commonly used for both cases in order to simplify the inspection.

## SERVICE DATA AND SPECIFICATIONS (SDS)

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To ESM

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Unit mm (in)

Engine type		CR	K9K	
			without charge air cooler	with charge air cooler
Pedal height	LHD models	160 - 169 (6.30 - 6.65)	160 - 169 (6.30 - 6.65)	170 - 180 (6.69 - 7.09)
	RHD models	164 - 174 (6.46 - 6.85)	164 - 174 (6.46 - 6.85)	175 - 185 (6.89 - 7.23)
Pedal height at clutch disengagement		100 (3.94) or more	—	
Pedal free play		0.5 (0.02)		