

## CLUTCH PEDAL

### CLUTCH PEDAL CHECK AND ADJUSTMENT

#### 1. CHECK THAT PEDAL HEIGHT AND PUSH ROD PLAY ARE CORRECT

Pedal height from flower panel:

157.5 mm (6.201 in.)

Pedal height from asphalt sheet:

2WD 154.5 mm (6.0827 in.)

4WD 151.5 mm (5.9646 in.)

Push rod play at pedal top:

1.0–5.0 mm (0.039–0.197 in.)

If incorrect, adjust the pedal height and push rod play.

#### 2. IF NECESSARY, ADJUST PEDAL HEIGHT AND PUSH ROD PLAY

- Loosen the lock nut and turn the stopper bolt until the height is correct. Tighten the lock nut.
- Loosen the lock nut and turn the push rod until the push rod play is correct. Tighten the lock nut.

#### 3. CHECK THAT PEDAL FREEPLAY IS CORRECT

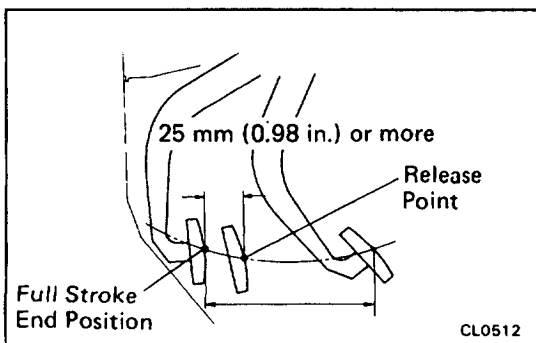
Push in on the pedal until the beginning of clutch resistance is felt.

Pedal freeplay:

5.0–15.0 mm (0.20–0.59 in.)

#### 4. IF NECESSARY, ADJUST PEDAL FREEPLAY

- Loosen the lock nut and turn the push rod until the freeplay is correct.
- Tighten the lock nut.
- After adjusting the pedal freeplay, check the pedal height.



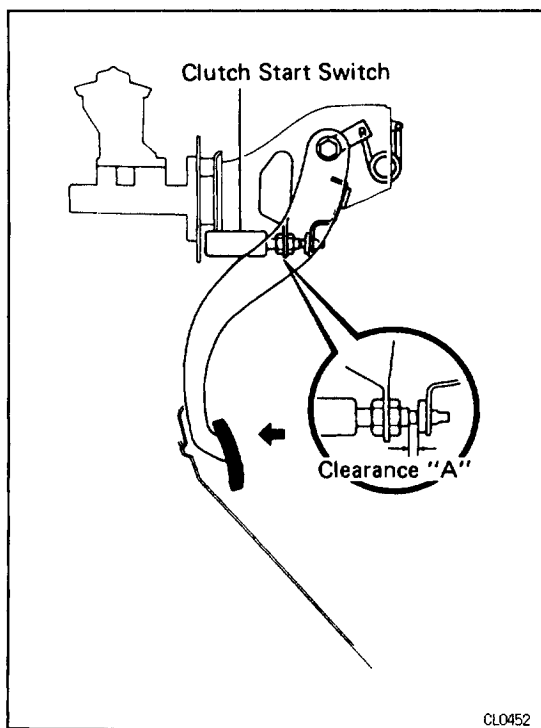
#### 5. CHECK CLUTCH RELEASE POINT

- Pull the parking brake lever and install wheel stopper.
- Start the engine and idle the engine.
- Without depressing the clutch pedal, slowly shift the shift lever into reverse position until the gears contact.
- Gradually depress the clutch pedal and measure the stroke distance from the point the gear noise stops (release point) up to the full stroke end position.

**Standard distance:****25 mm (0.98 in.) or more****(From pedal stroke end position to release point)**

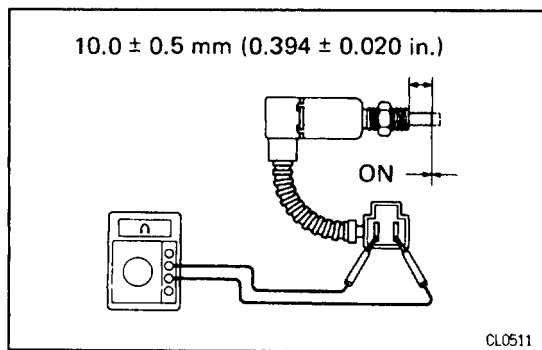
If the distance not as specified, perform the following operation.

- Inspect pedal height.
- Inspect push rod play and pedal freeplay.
- Bleed the clutch line.
- Inspect the clutch cover and disc.

**6. CHECK CLUTCH START SYSTEM**

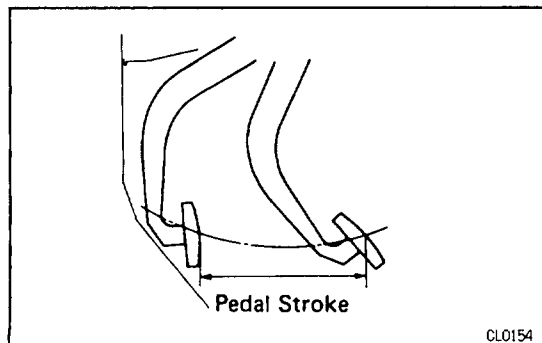
- Check that the engine does not start when the clutch pedal is released.
- Check that the engine starts when the clutch pedal is fully depressed.
- Check that clearance "A" is greater than 1 mm (0.04 in.) when the clutch is fully depressed.

If necessary, adjust or replace the clutch start switch.

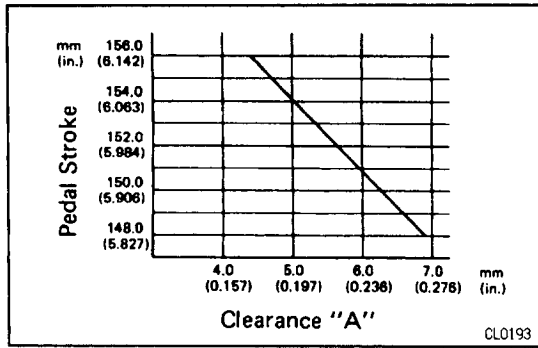
**7. CHECK CONTINUITY OF CLUTCH START SWITCH**

- Check that there is continuity between terminals when the switch is ON (pushed).
- Check that there is no continuity between terminals when the switch is OFF (free).

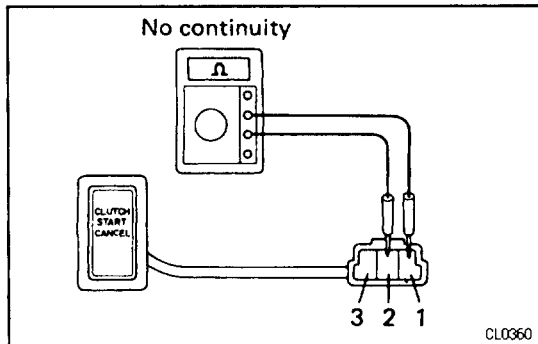
If continuity is not as specified, replace the switch.

**8. ADJUST CLUTCH START SWITCH**

- Measure the pedal stroke, and check the switch clearance "A" using the chart left.
- Loosen and adjust the switch position.

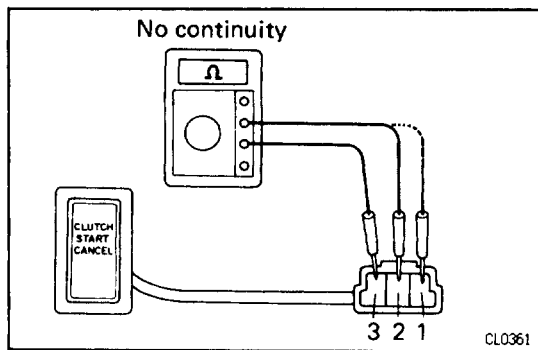


- (c) Recheck that the engine does not start when the clutch pedal is released.



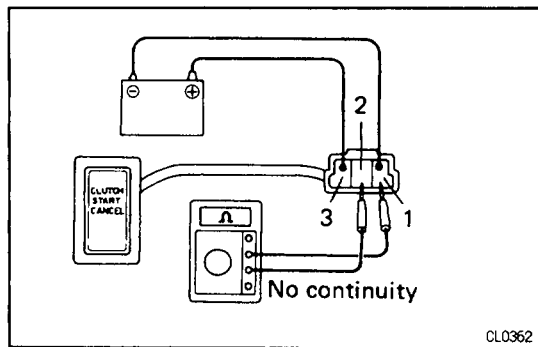
## 9. CHECK CONTINUITY OF CLUTCH START CANCEL SWITCH

- (a) Check that there is no continuity when connect the positive (+) lead from the ohmmeter to terminal 2 and the negative (-) lead to terminal 1.



- (b) Check that there is no continuity when connect the positive (+) lead from the ohmmeter to terminal 3 and the negative (-) lead to terminal 1.

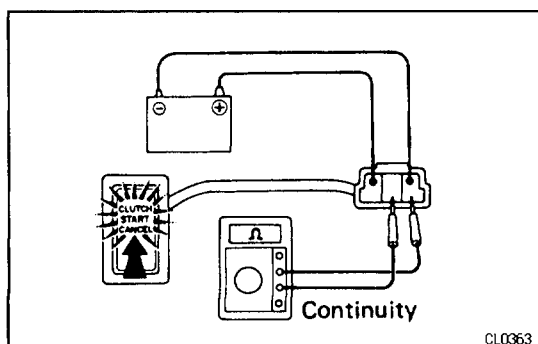
- (c) Check that there is no continuity between terminals 2 and 3. If continuity is not as specified, replace the clutch start cancel switch.



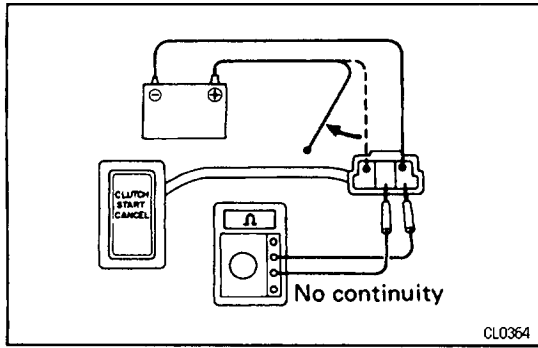
## 10. CHECK OPERATION OF CLUTCH START CANCEL SWITCH

- (a) Connect positive (+) lead from the battery to terminal 3 and connect negative (-) lead to terminal 1.

- (b) Check that there is no continuity when connect the positive (+) lead from the ohmmeter to terminal 2 and the negative (-) lead to terminal 1.



- (c) When pushing the switch, check that the indicator light comes on and there is continuity between terminal 1 and 2.



- (d) Check that there is no continuity between terminals 1 and 2 when disconnect the battery lead.  
If operation is not as specified, replace the clutch start cancel switch.