

GROUP 21A

CLUTCH

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GENERAL INFORMATION

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The dry single plate diaphragm spring clutch and the cable-type control system have been adopted.

SERVICE SPECIFICATIONS

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Item	Standard value
Clutch pedal free play mm (in)	11 - 16 (0.4 - 0.6)
Clutch pedal height mm (in)	313.2 - 318.2 (12.33 - 12.53)
Distance between the clutch pedal and the floor board when the clutch is disengaged mm (in)	80 (3.1) or more

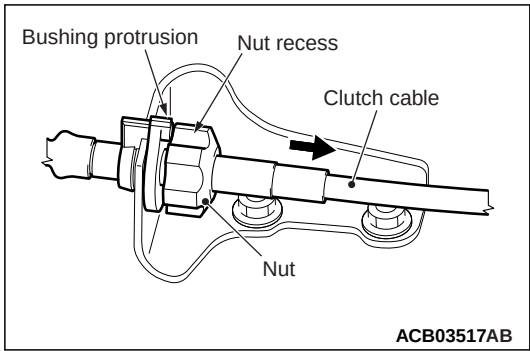
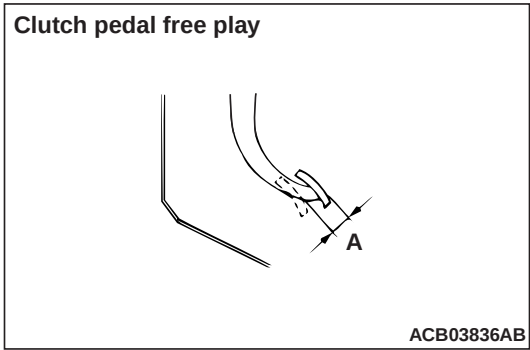
ON-VEHICLE SERVICE

CLUTCH PEDAL CHECK AND ADJUSTMENT

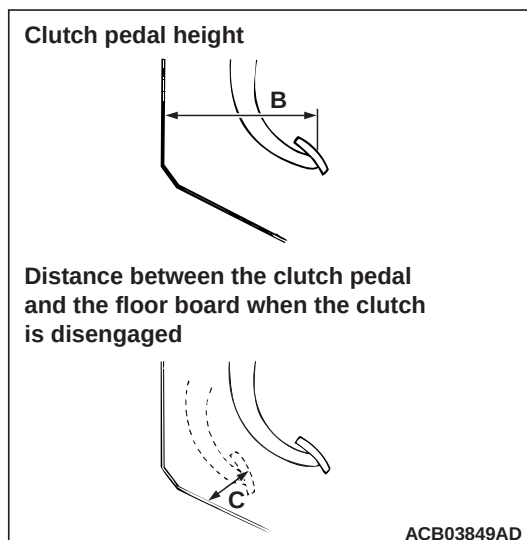
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- 1. Turn back the carpet etc. under the clutch pedal.
- 2. Measure the clutch pedal free play.

Standard value (A): 11 - 16 mm (0.4 - 0.6 in)



- 3. If the clutch pedal free play is out of the standard range, while pulling the clutch cable on transaxle side in the direction shown by the arrow, turn the nut so that it contacts the bushing protrusion. Return the nut to reach the nut recess nearest to the point contacting the bushing protrusion, and the protrusion into the nut recess to fix it.



4. Measure the clutch pedal height.
Standard value (B): 313.2 - 318.2 mm (12.33 - 12.53 in)
5. Depress the clutch pedal several times to measure the gap between the pedal and floor board when the clutch is disengaged.
Standard value (C): 80 mm (3.1 in) or more
6. If the clutch pedal height and the gap between the pedal and floor board when the clutch is disengaged are out of the standard range, check the clutch pedal, clutch cable, and clutch main body, and replace them if necessary.
7. Reinstall the carpet, etc.

CLUTCH SWITCH CHECK

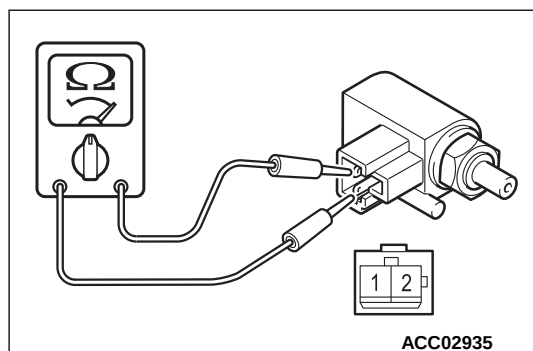
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CLUTCH INTERLOCK SWITCH (FOR STARTER RELAY) CHECK

⚠ CAUTION

Do not apply grease or lubricant to the switch and the switch installation section to avoid malfunction of the switch. In addition, do not use gloves which have grease on them.

1. Check the clutch pedal.
2. Connect an ohmmeter to the clutch switch connector, and then check for continuity when the clutch pedal is fully depressed and when it is released outward.



Tester connection	Pedal position	Specified condition
1-2	Fully depressed	Continuity (Less than 2 ohms)
	Released	Open circuit

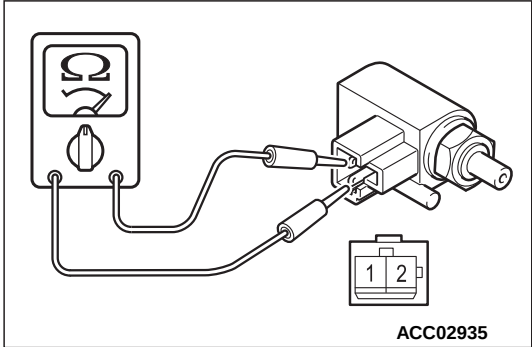
3. If the continuity is incorrect, replace the clutch interlock switch.

CLUTCH INTERLOCK SWITCH (FOR OSS AND
CRUISE CONTROL) CHECK

⚠ CAUTION

Do not apply grease or lubricant to the switch and the switch installation section to avoid malfunction of the switch. In addition, do not use gloves which have grease on them.

- 1. Check the clutch pedal.
- 2. Connect an ohmmeter to the clutch switch connector, and then check for continuity when the clutch pedal is fully depressed and when it is released outward.



Tester connection	Pedal position	Specified condition
1-2	Fully depressed	Open circuit
	Released	Continuity (Less than 2 ohms)

- 3. If the continuity is incorrect, replace the clutch monitoring switch.

CLUTCH CONTROL

REMOVAL AND INSTALLATION

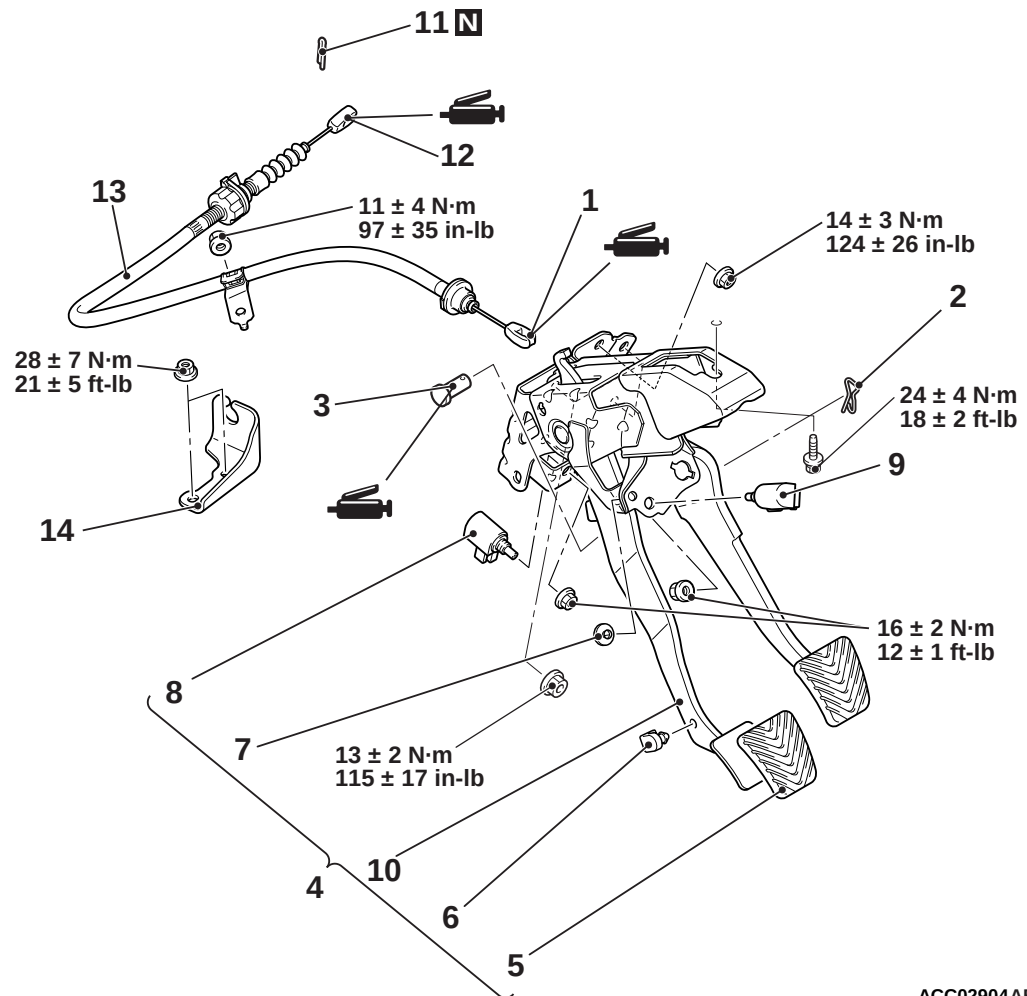
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Pre-removal operation

- Loosen the clutch cable (transaxle side) adjusting nut as far as possible.
- Instrument Panel Lower Cover Removal (Refer to GROUP 52A – Instrument Lower Panel [P.52A-6](#)).
- Knee Air Bag Module Removal (Refer to GROUP 52B – Knee Air Bag Module [P.52B-251](#)).

Post-installation operation

- Knee Air Bag Module Installation (Refer to GROUP 52B – Knee Air Bag Module [P.52B-251](#)).
- Instrument Panel Lower Cover Installation (Refer to GROUP 52A – Instrument Lower Panel [P.52A-6](#)).
- Clutch Pedal Adjustment (Refer to [P.21A-2](#)).



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Clutch pedal removal steps

1. Clutch cable connection (clutch pedal side)
2. Snap pin
3. Clevis pin
4. Brake and clutch pedal assembly
5. Pedal pad
6. Pedal stopper
7. Pedal stopper
8. Clutch interlock switch (for starter relay)

Clutch pedal removal steps

9. Clutch interlock switch (for OSS and cruise control)
10. Clutch pedal

Clutch cable removal steps

1. Clutch cable connection (clutch pedal side)
 - Battery and Battery Tray Removal and Installation (Refer to GROUP 54A – Battery [P.54A-7](#)).
11. Cotter pin

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Clutch cable removal steps

- 12. Clutch cable connection (transaxle side)
- 13. Clutch cable
- 14. Clutch cable bracket

Clutch interlock switch removal steps

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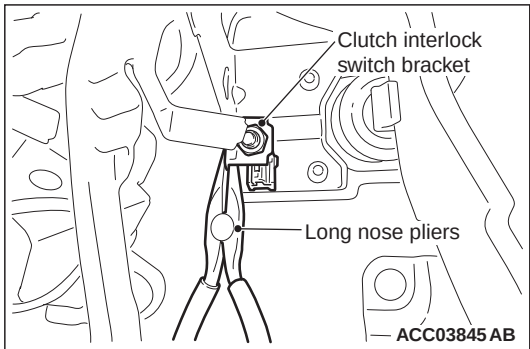
- 8. Clutch interlock switch (for starter relay)
- 9. Clutch interlock switch (for OSS and cruise control)

REMOVAL SERVICE POINTS

<<A>> CLUTCH INTERLOCK SWITCH REMOVAL

⚠ CAUTION

- Use long-nose pliers to hold the clutch interlock switch bracket to avoid damage to the clutch interlock switch. Then remove the clutch interlock switch.



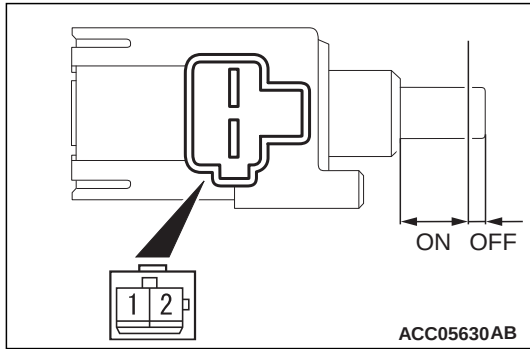
INSPECTION

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- Check the clutch pedal assembly and the clutch cable for damage and any faults.

CLUTCH INTERLOCK SWITCH CHECK

Check for continuity between the terminals of the switch.



Check condition	Terminal connector of tester	Normal condition
At free position	1 – 2	No continuity
Press the plunger from the edge of the outer case by the dimension shown in the figure.	1 – 2	Continuity exists (2 ohms or less)