

CLUTCH MASTER CYLINDER REMOVAL/INSTALLATION [C66M-R, C66MX-R]

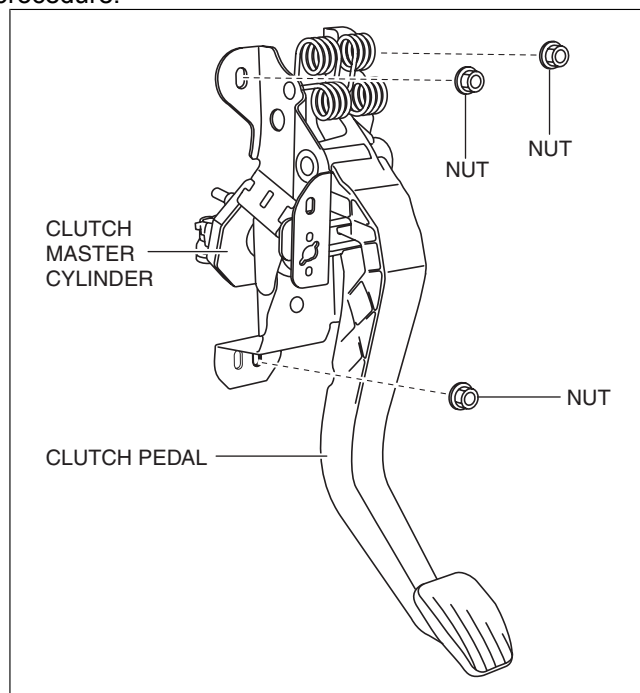
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Caution

- **Secure the steering wheel using tape or a cable to prevent the steering shaft from rotating after disconnecting the steering shaft. If the steering wheel rotates after the steering shaft and the steering gear and linkage are disconnected, the internal parts of the clock spring could be damaged.**
- **Do not allow clutch fluid to get on a painted surface. Clutch fluid contains properties which can dissolve the paint. If clutch fluid gets on a painted surface, wash it off with water immediately and wipe the area off completely.**

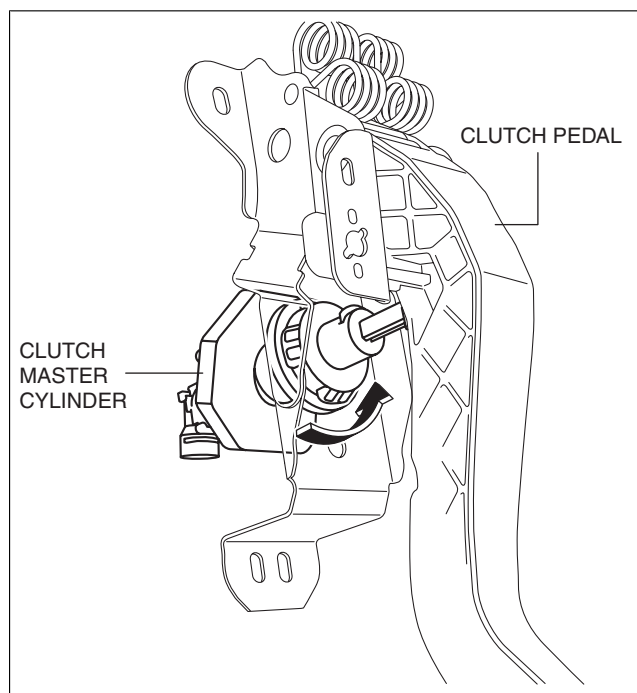
Removal

1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].)
2. Remove the air cleaner component (air cleaner, air hose). (L.H.D.) (See INTAKE-AIR SYSTEM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
3. Remove the battery component (battery, battery tray and PCM component). (L.H.D.) (See BATTERY REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
4. Remove the bracket from the steering shaft. (See STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION.)
5. Remove the clutch pedal position switch. (See CLUTCH PEDAL POSITION SWITCH REMOVAL/INSTALLATION [C66M-R, C66MX-R].)
6. Remove the starter interlock switch. (See STARTER INTERLOCK SWITCH REMOVAL/INSTALLATION [C66M-R, C66MX-R].)
7. Remove the joint cover. (See STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION.)
8. Disconnect the steering shaft from steering gear. (See STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION.)
9. Remove the insulator. (R.H.D.) (See EXHAUST SYSTEM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
10. Disconnect the clutch pipe and hose No.1 from clutch master cylinder, and plug it to avoid clutch fluid leakage. (See CLUTCH PIPE AND HOSE REMOVAL/INSTALLATION [C66M-R, C66MX-R].)
11. Disconnect the clutch reserve hose from clutch master cylinder, and plug it to avoid clutch fluid leakage. (See CLUTCH PIPE AND HOSE REMOVAL/INSTALLATION [C66M-R, C66MX-R].)
12. Remove the clutch master cylinder using the following procedure:
 - (1) Remove the clutch pedal and the clutch master cylinder as a single unit.



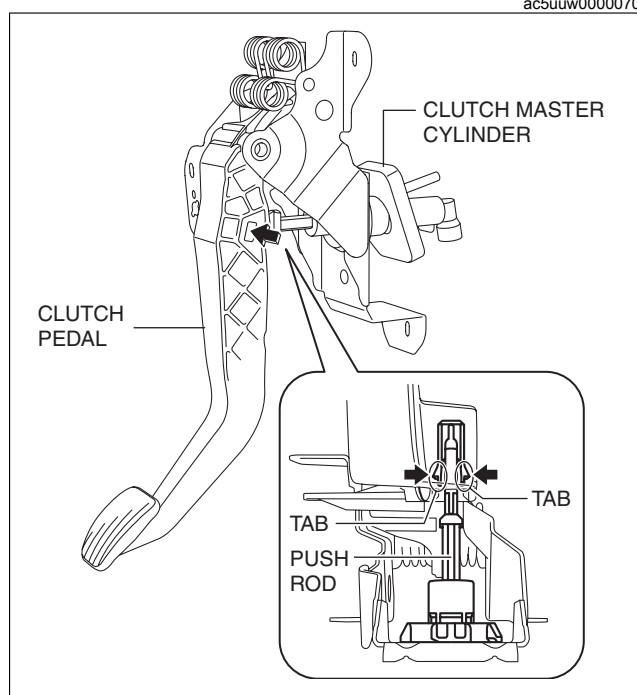
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- (2) Rotate the clutch master cylinder in the direction of the arrow shown in the figure to disconnect the clutch master cylinder (body) and clutch pedal.



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- (3) Disengage the tabs of the push rod and remove the master cylinder.

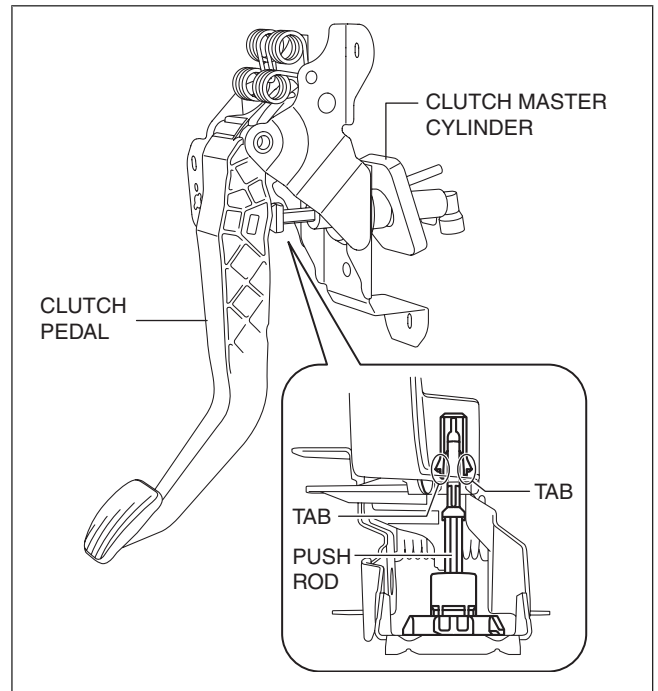


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Installation

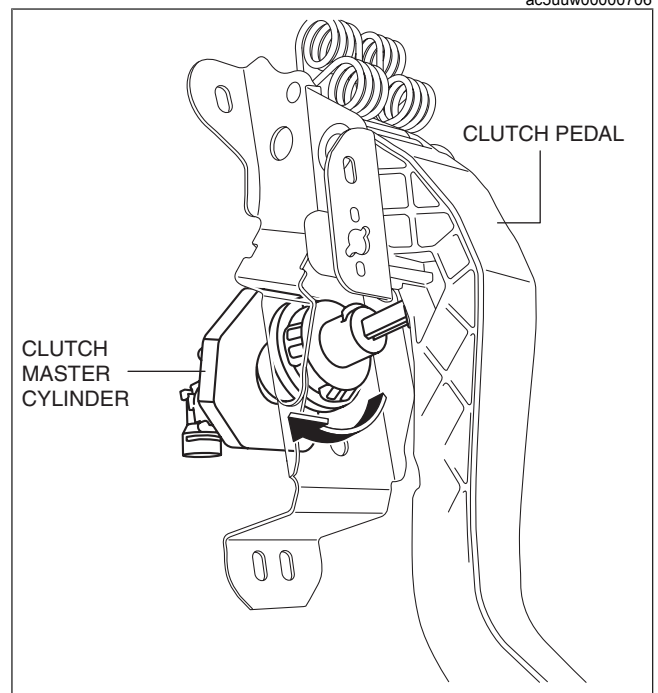
1. Install the clutch master cylinder using the following procedure:

- (1) Engage the tabs of the push rod with the clutch pedal as shown in the figure.



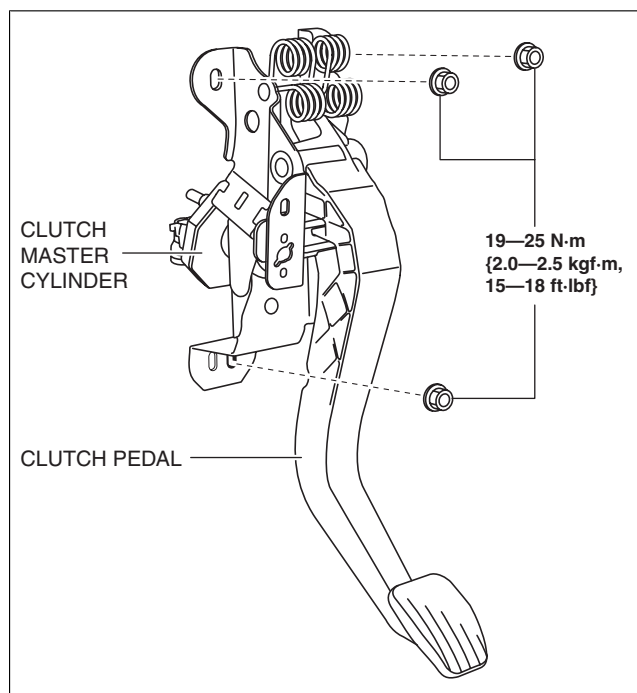
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- (2) Rotate the clutch master cylinder in the direction shown until it stops.



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- (3) Install the clutch pedal and the clutch master cylinder as a single unit.
2. Connect the clutch reserve hose to clutch master cylinder. (See CLUTCH PIPE AND HOSE REMOVAL/INSTALLATION [C66M-R, C66MX-R].)
3. Connect the clutch pipe and hose No.1 to clutch master cylinder. (See CLUTCH PIPE AND HOSE REMOVAL/INSTALLATION [C66M-R, C66MX-R].)
4. Connect the steering shaft. (See STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION.)
5. Install the joint cover. (See STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION.)
6. Bleed the air from the clutch system. (See CLUTCH FLUID REPLACEMENT/AIR BLEEDING [C66M-R, C66MX-R].)
7. Inspect the clutch pedal. (See CLUTCH PEDAL INSPECTION [C66M-R, C66MX-R].)
8. Install a new starter interlock switch. (See STARTER INTERLOCK SWITCH REMOVAL/INSTALLATION [C66M-R, C66MX-R].)
9. Install a new clutch pedal position switch. (See CLUTCH PEDAL POSITION SWITCH REMOVAL/INSTALLATION [C66M-R, C66MX-R].)
10. Install the insulator. (R.H.D.) (See EXHAUST SYSTEM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
11. Install the bracket to the steering shaft (See STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION.)
12. Install the battery component (battery, battery tray and PCM component). (L.H.D.) (See BATTERY REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
13. Install the air cleaner component (air cleaner, air hose). (L.H.D.) (See INTAKE-AIR SYSTEM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
14. Connect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].)
15. Fully depress the clutch pedal, and verify that the engine starts.



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