

ON-VEHICLE INSPECTION

1. CONNECT INTELLIGENT TESTER

- (a) Connect the intelligent tester to the DLC3.
- (b) Start the engine and idle it.
- (c) Select the Active Test mode on the intelligent tester.

HINT:

Please refer to the intelligent tester operator's manual for further details.

2. CHECK ACTUATOR MOTOR OPERATION

NOTICE:

Do not keep a motor relay ON for more than 5 seconds. When operating it consecutively, wait 20 seconds between each operation.

- (a) Turn the motor relay ON and check the actuator motor operation noise.
- (b) Turn the motor relay OFF.
- (c) Fully depress the brake pedal and hold it for approximately 15 seconds. Check that the pedal's initial depth is maintained for the entire 15 seconds.
- (d) Turn the motor relay ON and check that the pedal does not pulsate.
- (e) Turn the motor relay OFF and release the pedal.

3. CHECK BRAKE ACTUATOR SOLENOID (for Front Right Wheel)

NOTICE:

- **Be sure to follow the procedures below when turning ON a solenoid.**
- **Do not keep a solenoid ON for more than 10 seconds. When operating it consecutively, wait 20 seconds between each operation.**
- **Do not keep a motor relay ON for more than 5 seconds. When operating it consecutively, wait 20 seconds between each operation.**

- (a) With the pedal depressed as much as possible, perform the following operations.
 - (1) Turn the SFRH and SFRR solenoids ON simultaneously, and check that the pedal cannot be depressed further.
 - (2) Turn the SFRH and SFRR solenoids OFF simultaneously, and check that the pedal can be depressed further.
 - (3) Turn the motor relay ON. Check that the pedal returns to the "depressed as much as possible" position.
- (b) Turn the motor relay OFF and release the pedal.

4. CHECK BRAKE ACTUATOR SOLENOID (for Front Left Wheel)

- (a) Use the same procedures described for the front right wheel to check the solenoids of the front left wheel.

HINT:

Front left wheel: SFLH, SFLR

5. **CHECK BRAKE ACTUATOR SOLENOID (for Rear Right Wheel)**
 - (a) Use the same procedures described for the front right wheel to check the solenoids of the rear right wheel.
HINT:
Rear right wheel: SRRH, SRRR
6. **CHECK BRAKE ACTUATOR SOLENOID (for Rear Left Wheel)**
 - (a) Use the same procedures described for the front right wheel to check the solenoids of the rear left wheel.
HINT:
Rear left wheel: SRLH, SRLR
7. **CHECK AND CLEAR DTC**
 - (a) Check and clear the DTC (see page [BC-47](#)).

REMOVAL

(2005/11-2006/01)

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

2. REMOVE AIR CLEANER CASE SUB-ASSEMBLY

(a) Remove the air cleaner case (see page [EM-98](#)).

HINT:

Refer to the procedures from the removal of the purge VSV up until the removal of the air cleaner case.

3. DRAIN BRAKE FLUID

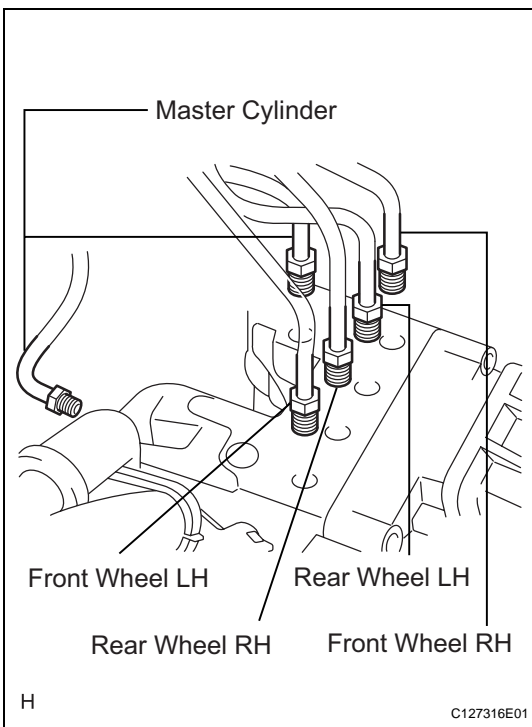
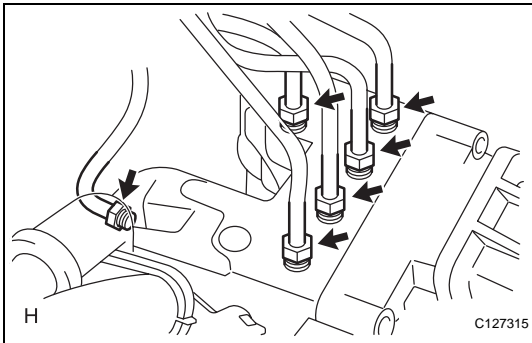
NOTICE:

Wash off brake fluid immediately if it comes in contact with any painted surface.

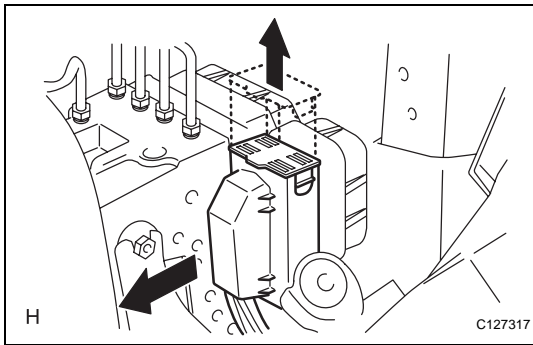
4. DISCONNECT BRAKE LINES

(a) Using SST, disconnect the 6 brake lines from the actuator.

SST 09023-00101

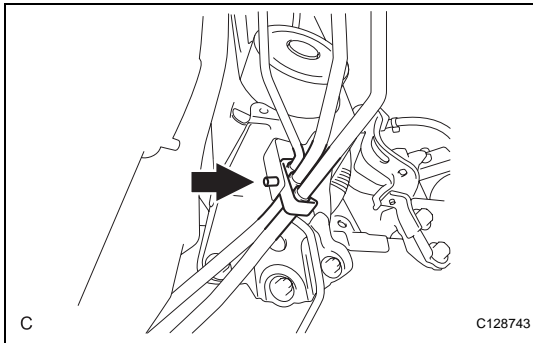


(b) Place tags or marks to identify the installation locations of each brake line.

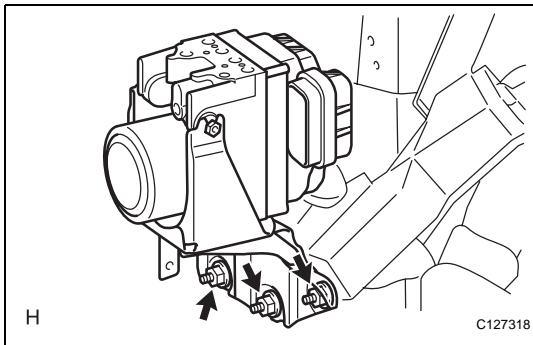


5. REMOVE ABS AND TRACTION ACTUATOR ASSEMBLY WITH BRACKET

- (a) Pull the lock lever upward and disconnect the connector.



- (b) Disconnect the brake tube clamp from the bracket.



- (c) Remove the 3 nuts and actuator with bracket.

NOTICE:

Be careful not to damage the brake tubes.