SERVICE TRAINING AND PUBLICATION BULLETIN

No.: OB- 9533
010
Date : 2019/8/29

TRAINING	
PUBLICATION	■
INFORMATION	
ADVANCE ORDER	
OTHERS	

APPLICABLE COUNTRIES:

	ALL COUNTRIES		N. AMERICA	■	GENERAL COUNTRIES, EUROPE
	Other				

To: Service Manager

CORRECTION TO
- [x] REPAIR MANUAL
- [ ] ELECTRICAL WIRING DIAGRAM
- [ ] NEW CAR FEATURES
- [ ] BODY REPAIR MANUAL
- [ ] SERVICE DATA SHEET

The following manual has revised service information:

Pub. No.: **RM19U1E** Pub. Name: **LAND CRUISER 200 Repair Manual**

Section	Title	Paragraph
A750F AUTOMATIC TRANSMISSION / TRANSAXLE	AUTOMATIC TRANSMISSION FLUID	REPLACEMENT (201109-201201)
		REPLACEMENT (201201-)
		ADJUSTMENT (201109-201201)
		ADJUSTMENT (201201-)

The revised pages listed above are attached.

(The corrected parts are indicated by arrows.)

Please attach the accompanying revised pages to the applicable pages in the manual above.

This Bulletin does not cause the Flat Rate Manual to be changed.

This bulletin is also available on the OASIS Global Service Information Center.
Inquiries : BM_correction_information@mta.mx.toyota.co.jp

KEEP IN BINDER TOGETHER WITH SERVICE PUBLICATIONS GUIDE

TOYOTA QUALITY SERVICE

TOYOTA MOTOR CORPORATION
SERVICE ENGINEERING DEPARTMENT
TECHNICAL SERVICE DIVISION
CUSTOMER FIRST PROMOTION GROUP

AUTOMATIC TRANSMISSION FLUID

REPLACEMENT

AT

1. REPLACE AUTOMATIC TRANSMISSION FLUID

(a) Lift the vehicle. [*1]
NOTICE:
Set the vehicle on a lift so that the vehicle is kept level when it is lifted up (make sure that the tilt angle from the front to rear of the vehicle is within +/-1°).

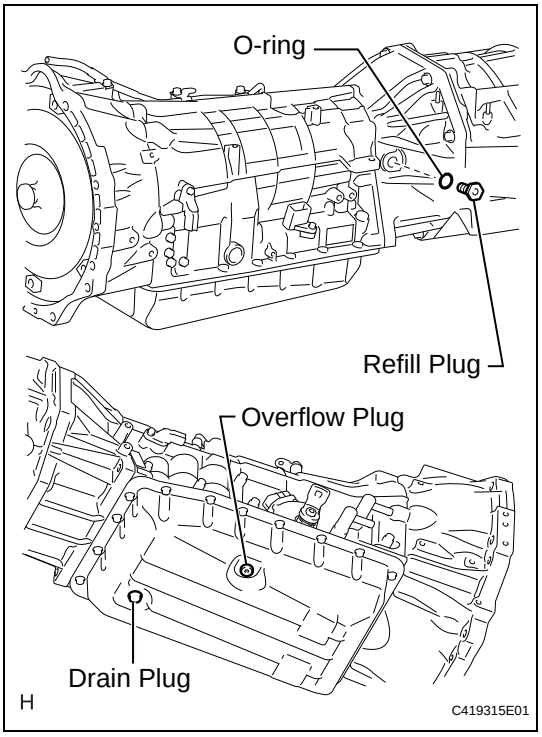
(b) Remove the drain plug and gasket from the automatic transmission assembly to drain the automatic transmission fluid. [*2]

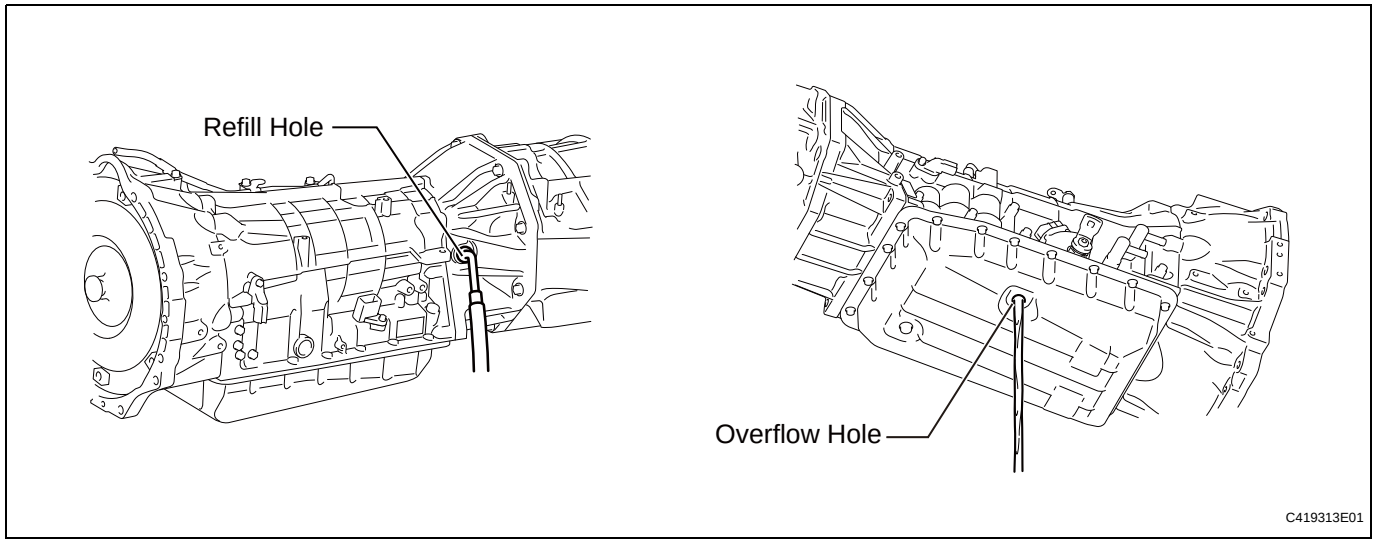
(c) Temporarily install the gasket and drain plug to the automatic transmission assembly. [*3]
HINT:
Reuse the old gasket. A new gasket will be installed in step [*16].

(d) Using a 5 mm hexagon socket wrench, remove the overflow plug and gasket from the automatic transmission assembly. [*4]

(e) Remove the refill plug and O-ring from the automatic transmission assembly. [*5]

(f) Add automatic transmission fluid to the refill hole until it flows out of the overflow hole. [*6]
NOTICE:
- **Use Toyota Genuine ATF WS.**
- **Be sure to add automatic transmission fluid slowly. If automatic transmission fluid is added quickly, the automatic transmission fluid may hit internal parts and bounce back, resulting in automatic transmission fluid coming out of the refill hole.**

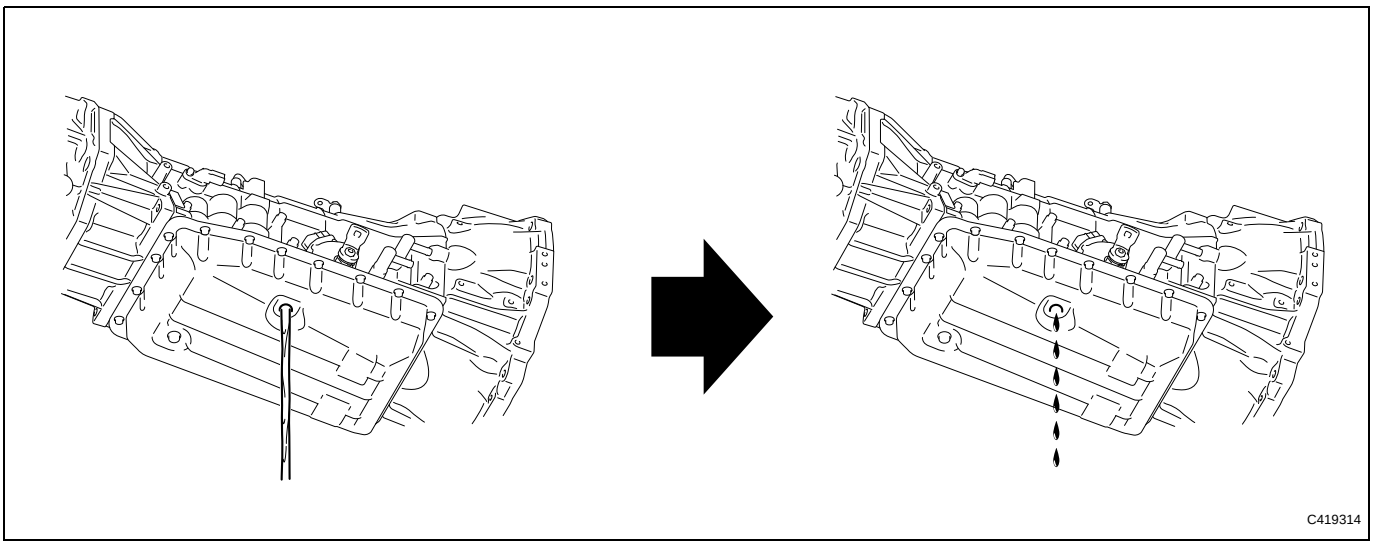




[Added]

AT

(g) Wait until the automatic transmission fluid flow slows and only drops come out. [*7]



(h) Using a 5 mm hexagon socket wrench. temporarily install the gasket and overflow plug to the automatic transmission assembly. [*8]
HINT:
Reuse the old gasket as the overflow plug will be removed again.

(i) Add the amount of specified to the refill hole. [*9]
Specified Amount of Fluid:
1.7 liters (1.8 US qts, 1.5 Imp. qts)
HINT:
If the specified amount of the automatic transmission fluid cannot be added, perform steps [*10] to [*14].

(j) Temporarily install the O-ring and refill plug to the automatic transmission assembly. [*10]
HINT:
Reuse the old O-ring as the refill plug will be removed again.

(k) Lower the vehicle. [*11]

(l) Start the engine. [*12]
NOTICE:
To reduce load, make sure that all electrical systems, such as the air conditioning, lighting system, electric fan and audio system, are off.

(m) Slowly move the shift lever from P to S, and then move the shift lever to P. [*13]

(n) Allow the engine to idle for 30 seconds to warm it up. [*14]

(o) Turn the engine switch off. [*15]

(p) Repeat steps [*1] to [*15].

(q) Repeat steps [*1] to [*2].

(r) Install a new gasket and the drain plug to the automatic transmission assembly. [*16]
Torque: 20 N*m (204 kgf*cm, 15 ft.*lbf)

(s) Repeat steps [*4] to [*11].

[Added]

2. ADJUST FLUID TEMPERATURE
AT-6 See*1

3. CHECK FLUID LEVEL
AT-8 See*1

4. AFTER FILLING TRANSMISSION
AT-10 See*1

AT

ADJUSTMENT

1. BEFORE FILLING TRANSMISSION

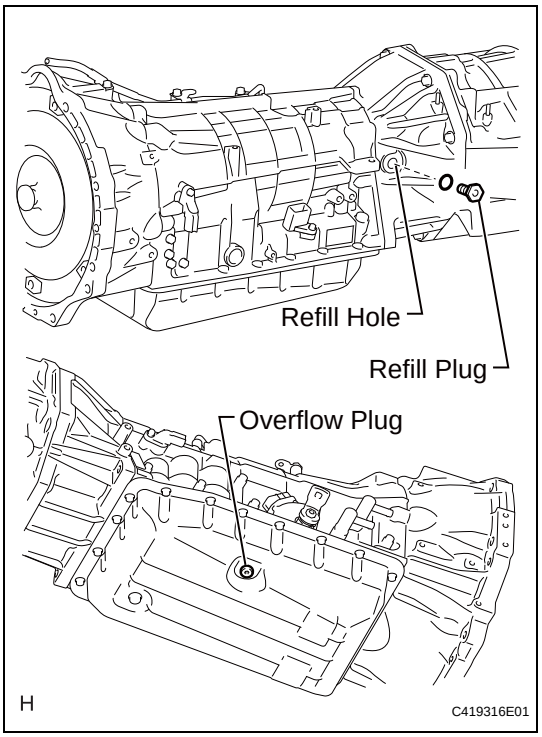
- The A750F automatic transmission assembly requires Toyota Genuine ATF WS.
- If the entire automatic transmission assembly, automatic transmission oil pan sub-assembly, drain plug, transmission valve body assembly and/or torque converter assembly have/has been replaced, proceed to the Fill Transmission procedure.
- If the transmission case adapter rear oil seal has been replaced and/or an automatic transmission fluid leak has been replaced, proceed to the Adjust Fluid Temperature procedure.

2. TRANSMISSION PAN WITH FLUID

(a) Lift the vehicle.
NOTICE:
Set the vehicle on a lift so that the vehicle is kept level when it is lifted up (make sure that the tilt angle from the front to rear of the vehicle is within +/-1°).

(b) Using a 5 mm hexagon socket wrench, remove the overflow plug and gasket from the automatic transmission assembly.

(c) Remove the refill plug and O-ring from the automatic transmission assembly.

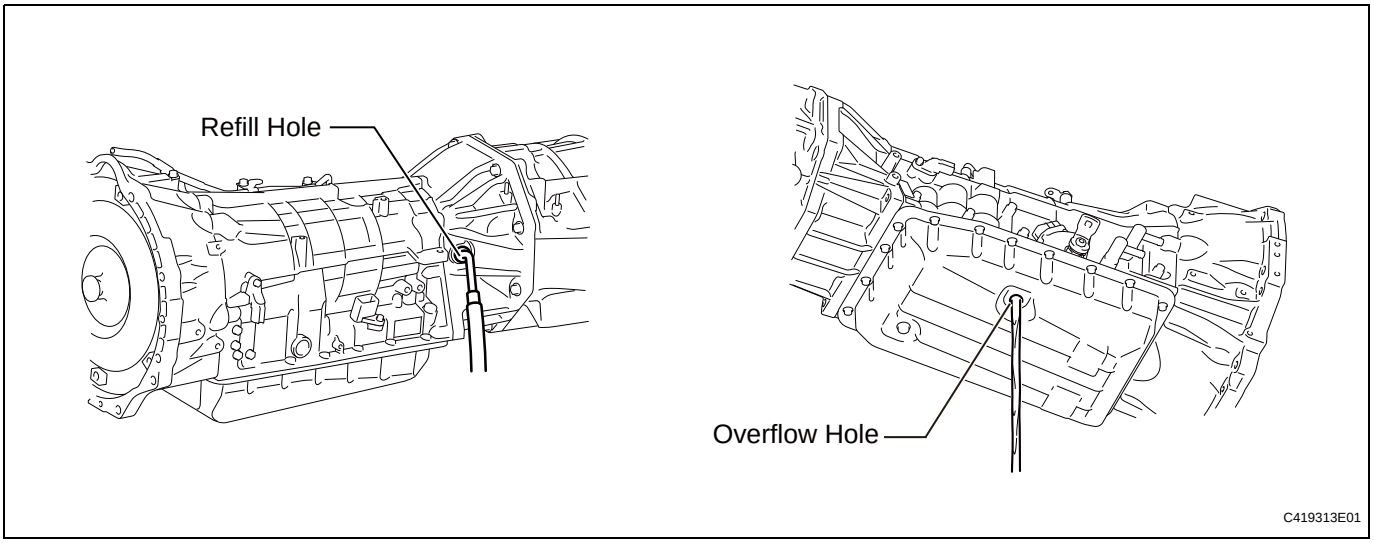


[Corrected]

See*1: A750F AUTOMATIC TRANSMISSION / TRANSAXLE - AUTOMATIC TRANSMISSION FLUID - ADJUSTMENT (2011/09-2012/01)

AT

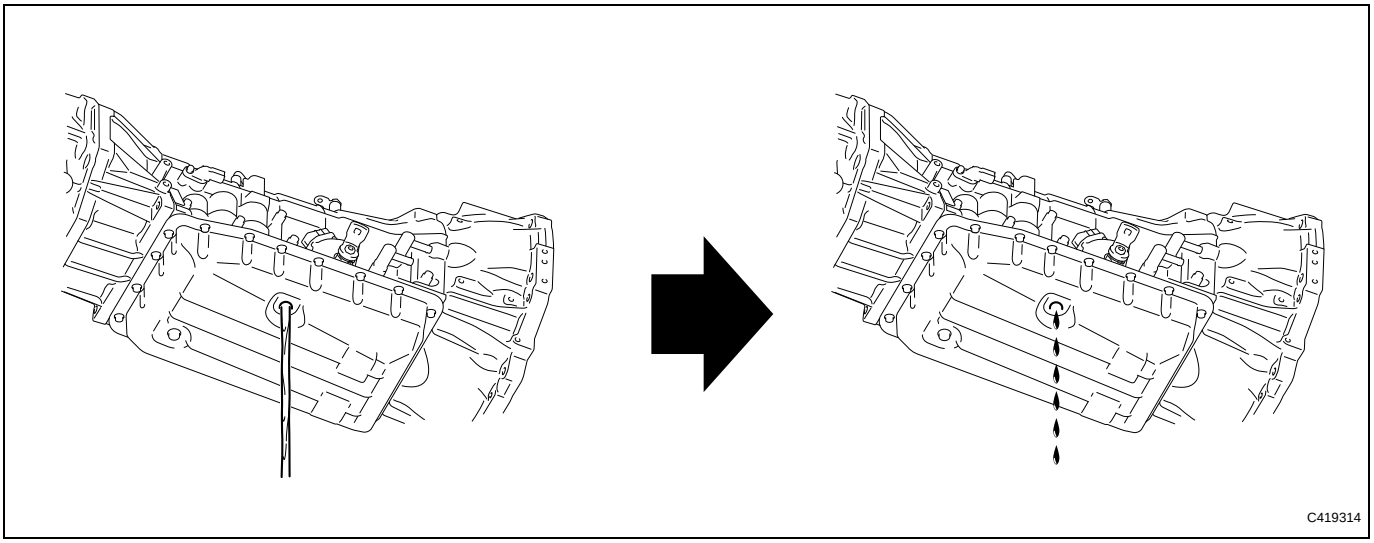
(d) Add automatic transmission fluid to the refill hole until it flows out of the overflow hole.



NOTICE:

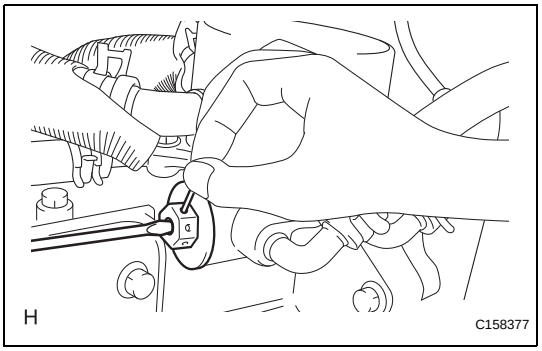
- **Use Toyota Genuine ATF WS.**
- **Be sure to add automatic transmission fluid slowly. If automatic transmission fluid is added quickly, the automatic transmission fluid may hit internal parts and bounce back, resulting in automatic transmission fluid coming out of the refill hole.**

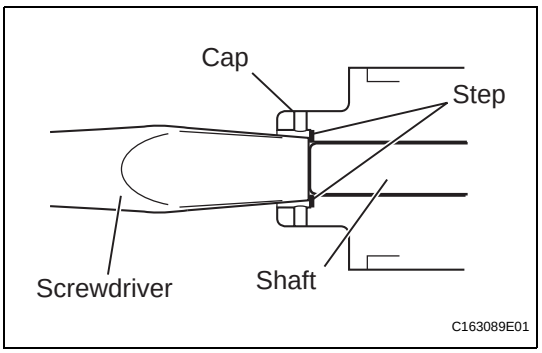
(e) Wait until the automatic transmission fluid flow slows and only drips come out.



(f) Using a 5 mm hexagon socket wrench, temporarily install the overflow plug and gasket to the automatic transmission assembly.
HINT:
Reuse the old gasket as the overflow plug will be removed again.

[Corrected]





3. TRANSMISSION FILL

(a) w/o Air Cooled Transmission Oil Cooler (w/ ATF Warmer):

Push the shaft of the thermostat and fix it in place.

(1) By using compressed air, etc., blow dust off of the thermostat cap to clean it.

(2) Using a screwdriver, push the shaft of the thermostat.

HINT:

- Pushed amount: 5.5 to 7.0 mm (0.217 to 0.276 in.)
- Push the shaft until the screwdriver contacts the inside step of the cap.

(3) With the shaft of the thermostat pressed, push a pin (diameter: 1.0 to 1.8 mm (0.0394 to 0.0709 in.)) into a hole on the side of the thermostat cap. Insert the pin until it passes through the hole on the other side of the thermostat cap to fix the shaft in place.

(b) Fill the transmission with the amount of fluid listed in the table below.

Standard Capacity

Repair	Fill Amount
Transmission pan and drain plug removal	**1.7 liters (1.8 US qts, 1.5 Imp. qts)**
Transmission valve body removal	**4.3 liters (4.5 US qts, 3.8 Imp. qts)**
Torque converter removal	**5.4 liters (5.7 US qts, 4.8 Imp. qts)**

HINT:

If the specified amount of automatic transmission fluid cannot be added, perform the following:

(1) Temporarily install the O-ring and refill plug to the automatic transmission assembly.

HINT:

Reuse the old O-ring as the refill plug will be removed again.

(2) Lower the vehicle.

(3) Start the engine.

NOTICE:

To reduce load, make sure that all electrical systems, such as the air conditioning, lighting system, electric fan and audio system, are off.

(4) Slowly move the shift lever from P to D, then move the shift lever to P.

(5) Allow the engine to idle for 30 seconds to warm it up.

(6) Turn the engine switch off.

(7) Remove the refill plug and O-ring from the automatic transmission assembly.

[Corrected]

AT

(8) Fill the automatic transmission assembly with the correct amount of automatic transmission fluid as listed in the table above.

(9) Temporarily install the O-ring and refill plug to the automatic transmission assembly.
HINT:
Reuse the old O-ring as the refill plug will be removed again.

4. ADJUST FLUID TEMPERATURE

NOTICE:
The fluid temperature can be confirmed by checking the indicator light in the meter or by using the intelligent tester. When using the intelligent tester, it is necessary to change to temperature detection mode in order to idle the vehicle appropriately.

(a) When using the intelligent tester:

(1) Turn the engine switch off.

(2) Connect the intelligent tester to the DLC3.

(3) Turn the engine switch on (IG).

(4) for 1GR-FE:
Enter the following menus: Powertrain / Engine and ECT / Active Test / Connect the TC and TE1.

(5) for 2UZ-FE:
Enter the following menus: Powertrain / ECT / Active Test / Connect the TC and TE1.

(6) for 1GR-FE:
Enter the following menus: Powertrain / Engine and ECT / Data List / A/T Oil Temperature 1.

(7) for 2UZ-FE:
Enter the following menus: Powertrain / ECT / Data List / A/T Oil Temperature 1.

(8) Check the ATF temperature.
NOTICE:
- **The ATF temperature must be between 38 to 45°C (100 to 113°F).**
- **If the ATF temperature is not between 38 to 45°C (100 to 113°F), turn the engine switch off and wait until the fluid temperature drops between 38 to 45°C (100 to 113°F).**

(9) for 1GR-FE:
According to the display on the intelligent tester, perform the Active Test "Connect the TC and TE1".
HINT:
Indicator lights of the meter blink to output DTCs when TC and TE1 are connected.

(10) for 2UZ-FE:
According to the display on the intelligent tester, perform the Active Test "Connect the TC and TE1".

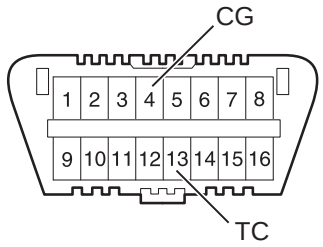


[Corrected]

(11) Start the engine.
NOTICE:
To reduce load, make sure that all electrical systems, such as the air conditioning, lighting system, electric fan and audio system, are off.

AT

Front view of DLC3:

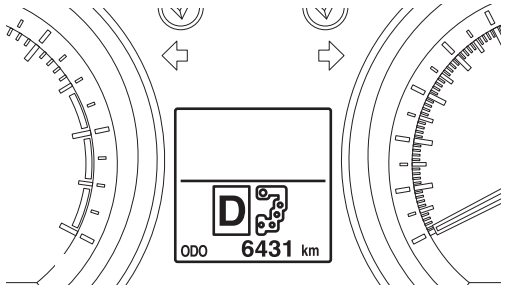


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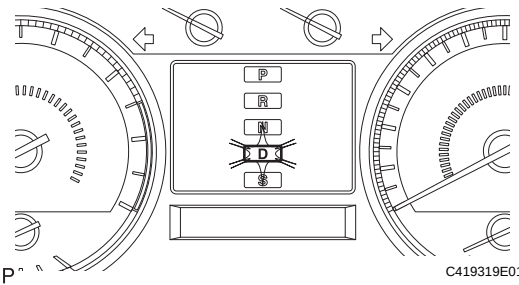
(b) When not using the intelligent tester:
(1) Using SST, connect terminals 13 (TC) and 4 (CG) of the DLC3.
SST 09843-18040
(2) Start the engine.
NOTICE:
To reduce load, make sure that all electrical systems, such as the air conditioning, lighting system, electric fan and audio system, are off.
HINT:
Indicator lights of the meter blink to output DTCs when terminals TC and CG are connected.

(c) Slowly move the shift lever from P to S, and then move the shift lever to P.
HINT:
Slowly move the shift lever to circulate the fluid through each part of the transmission.

w/ Multi-information Display:



w/o Multi-information Display:



C419319E01

(d) Move the shift lever to D, and quickly move back and forth between N and D (once within 1.5 seconds) for at least 6 seconds. This will activate the fluid temperature detection mode.
Standard condition:
Indicator light (D) remains illuminated for 2 seconds and then turns off.

(e) When using the intelligent tester:
(1) Return the shift lever to P and press OFF on the Active Test display.

(f) When not using the intelligent tester:
(1) Return the shift lever to P and disconnect terminals 13 (TC) and 4 (CG).

(g) Allow the engine to idle until the fluid temperature reaches 38 to 45°C (100 to 113°F).

(h) The indicator (D) will come on again when the fluid temperature reaches 38°C (100°F) and will blink when it exceeds 46°C (113°F).

Indicator Indication of ATF Temperature

Below Proper Temperature	Proper Temperature	Higher than Proper Temperature
Data List [A/T Oil Temperature 1] 38°C (100°F) or less	Data List [A/T Oil Temperature 1] 38 to 45°C (100 to 113°F)	Data List [A/T Oil Temperature 1] 45°C (113°F) or higher
Indicator light (D) Turns off	Indicator light (D) Turns on	Indicator light (D) Blinking

[Corrected]

AT

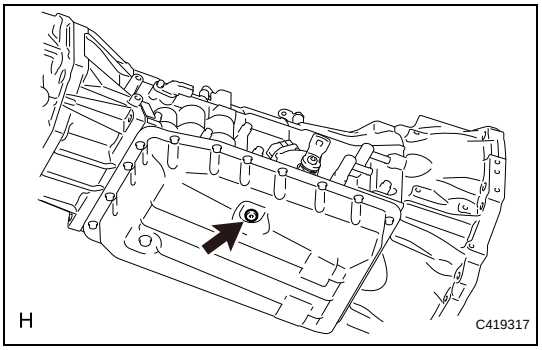
NOTICE:
Perform the fluid level inspection while the indicator light is on.

5. CHECK FLUID LEVEL

CAUTION:
Use caution while the engine is idling and the radiator fan is operating.

(a) Lift the vehicle.

NOTICE:
Set the vehicle on a lift so that the vehicle is kept level when it is lifted up (make sure that the tilt angle from the front to rear of the vehicle is within +/-1°).



(b) Using a 5 mm hexagon socket wrench, remove the overflow plug and gasket from the automatic transmission assembly.

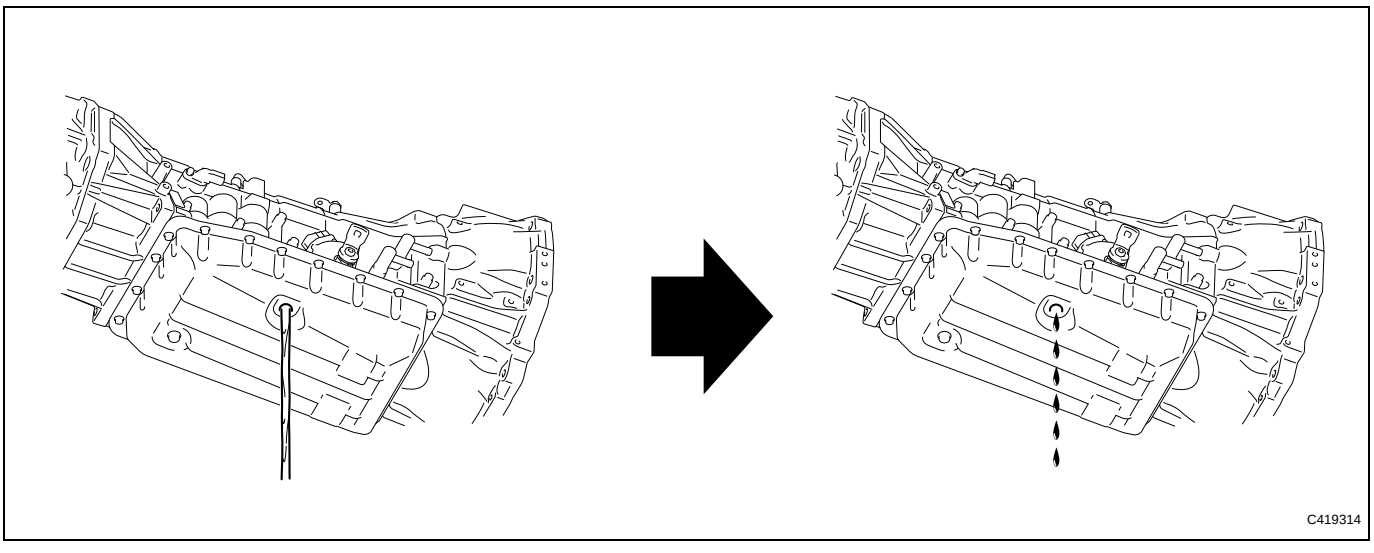
CAUTION:
Be careful as the automatic transmission fluid coming out of the overflow hole is hot.

(c) Check the amount of automatic transmission fluid that comes out of the overflow hole.

- If the amount of automatic transmission fluid that comes out of the overflow hole is large, proceed to step [*1].
- If no automatic transmission fluid comes out of the overflow hole, proceed to step [*2].

NOTICE:
If only a small amount of automatic transmission fluid (approximately 5 cc) comes out of the overflow hole, then only automatic transmission fluid remaining in the No. 1 transmission oil filler tube has come out. This is not considered to be overflow.

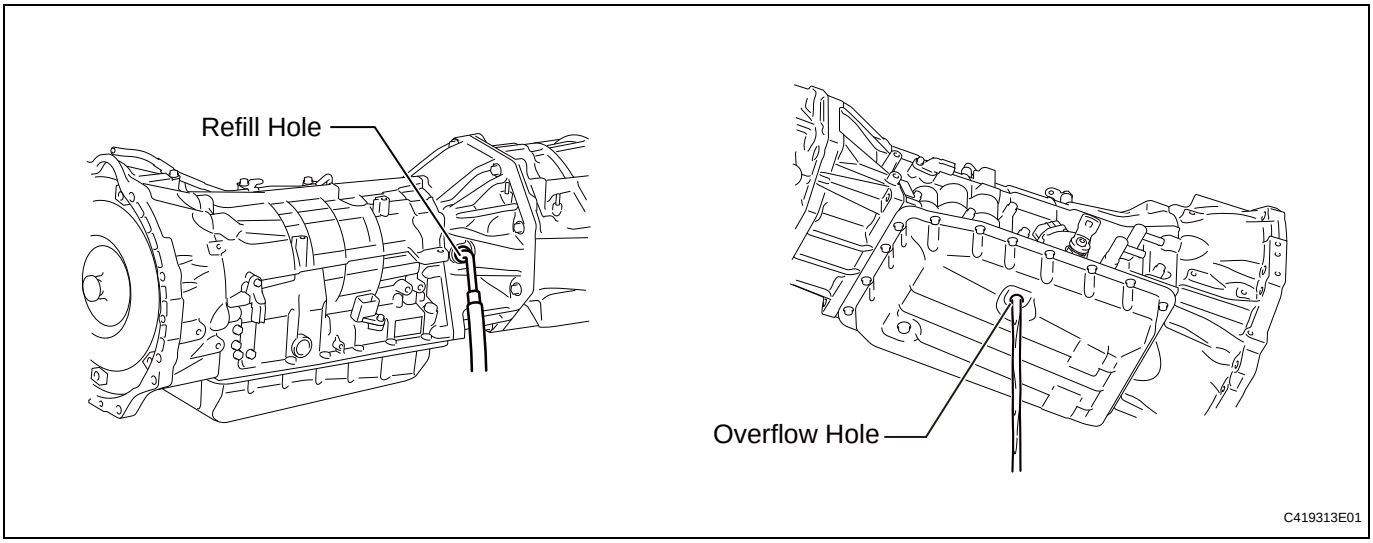
(d) If the amount of automatic transmission fluid that comes out of the overflow hole is large, wait until the automatic transmission fluid flow slows and only drips come out. [*1]



[Corrected]

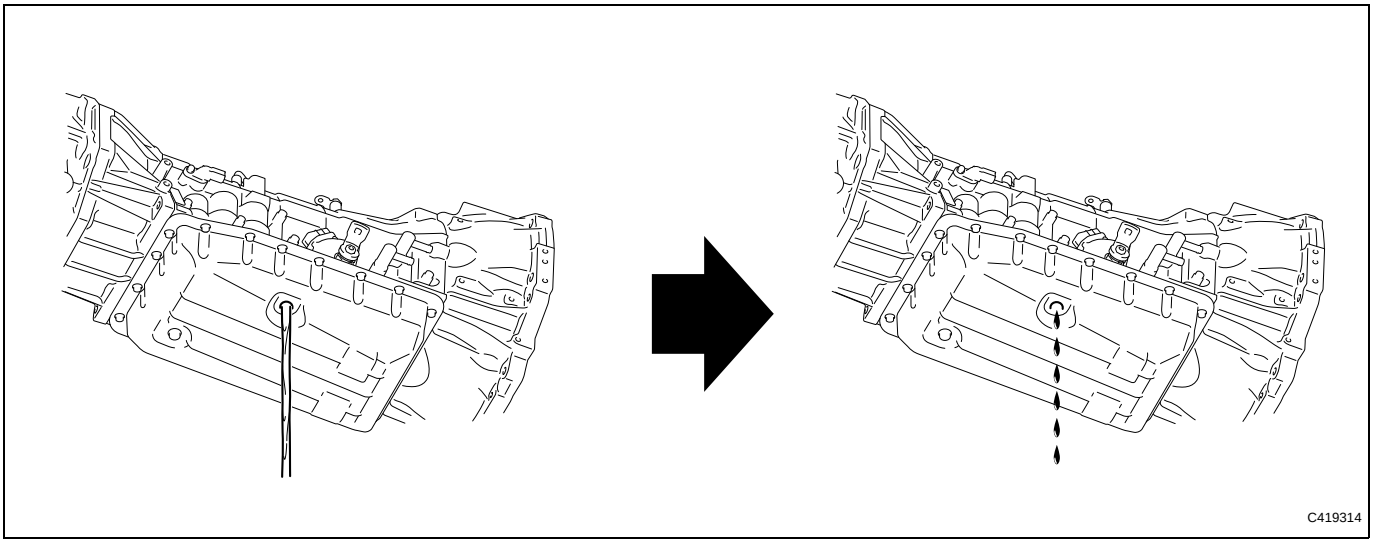
HINT:
The automatic transmission fluid flow will not stop completely because the automatic transmission fluid continues to expand as its temperature increases.

(e) If no automatic transmission fluid comes out of the overflow hole, remove the refill plug and O-ring. Then add automatic transmission fluid to the refill hole until it flows out of the overflow hole. [*2]



NOTICE:
- **Use Toyota Genuine ATF WS.**
- **Be sure to add automatic transmission fluid slowly. If automatic transmission fluid is added quickly, the automatic transmission fluid may hit internal parts and bounce back, resulting in automatic transmission fluid coming out of the refill hole.**

(f) Wait until the automatic transmission fluid flow slows and only drips come out.

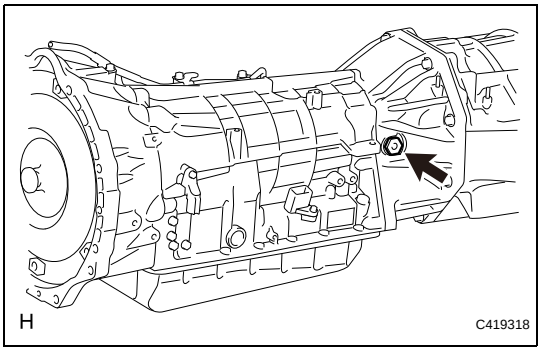


[Corrected]

AT

HINT:
The automatic transmission fluid flow will not stop completely because the automatic transmission fluid continues to expand as its temperature increases.

(g) Using a 5 mm hexagon socket wrench, install a new gasket and the overflow plug to the automatic transmission assembly.
Torque: 20 N*m (204 kgf*cm, 15 ft.*lbf)

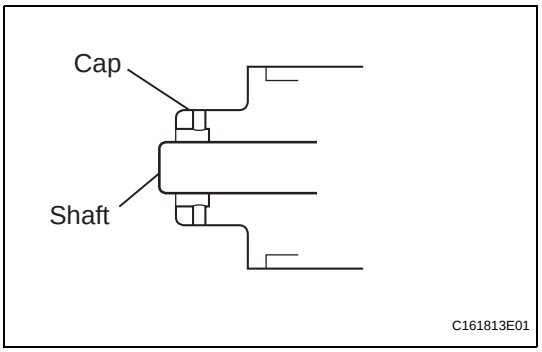


(h) Install a new O-ring and the refill plug to the automatic transmission assembly.
Torque: 39 N*m (400 kgf*cm, 29 ft.*lbf)

(i) Lower the vehicle.

(j) Turn the engine switch off.
HINT:
Turning the engine switch off exits automatic transmission fluid temperature detection mode.

(k) Disconnect the intelligent tester from the DLC3 (when using the intelligent tester).



(l) w/o Air Cooled Transmission Oil Cooler (w/ ATF Warmer):
(1) Remove the pin.
NOTICE:
- **Make sure the shaft of the thermostat is protruding from the hole of the cap.**
- **Check that there is no ATF leaking from the cap hole.**

6. AFTER FILLING TRANSMISSION

(a) Lift the vehicle.

(b) Clean each part.

(c) Check for automatic transmission fluid leaks.

(d) Lower the vehicle.

[Corrected]

AUTOMATIC TRANSMISSION FLUID

REPLACEMENT

AT

1. REPLACE AUTOMATIC TRANSMISSION FLUID

(a) Lift the vehicle. [*1]
NOTICE:
Set the vehicle on a lift so that the vehicle is kept level when it is lifted up (make sure that the tilt angle from the front to rear of the vehicle is within +/-1°).

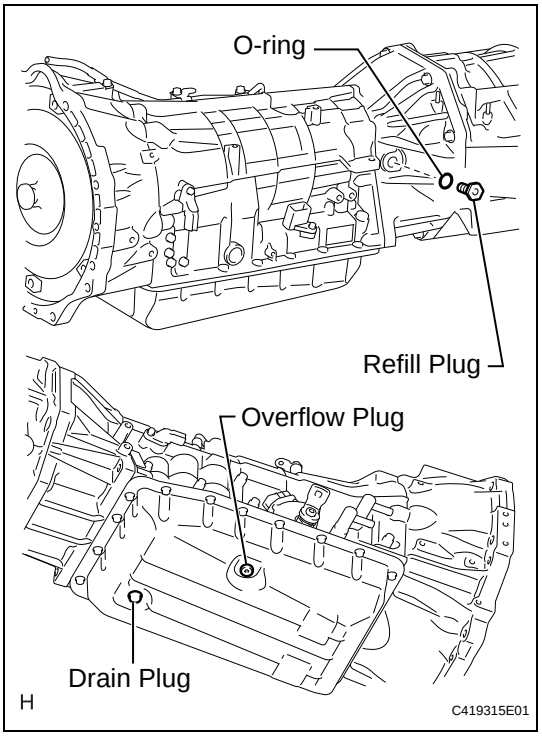
(b) Remove the drain plug and gasket from the automatic transmission assembly to drain the automatic transmission fluid. [*2]

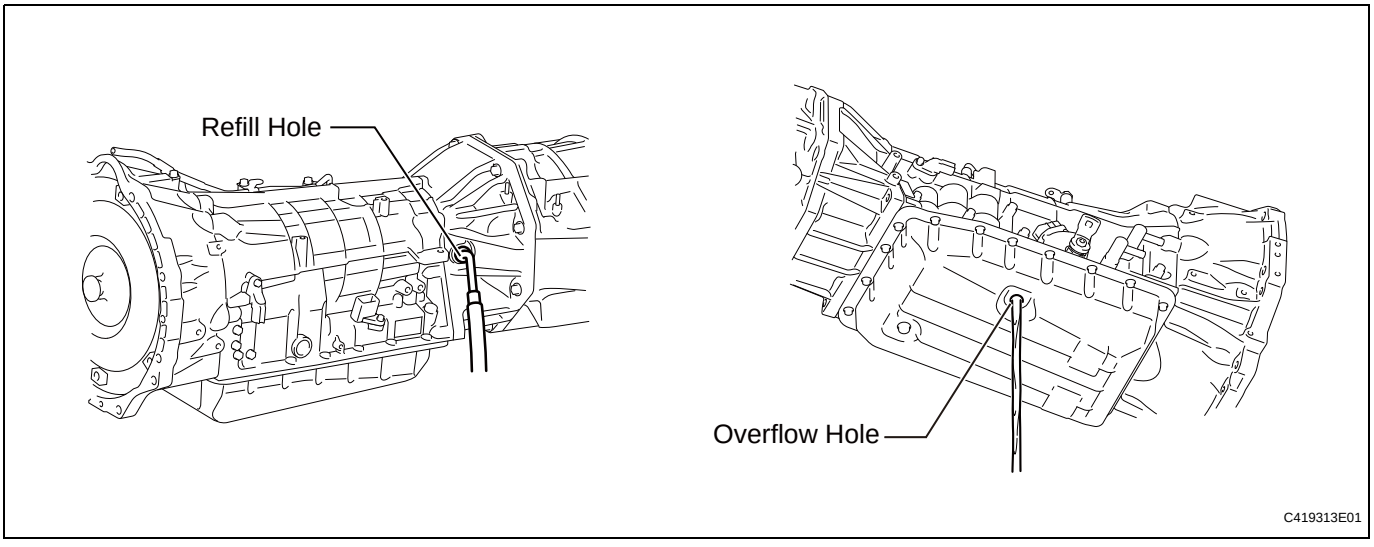
(c) Temporarily install the gasket and drain plug to the automatic transmission assembly. [*3]
HINT:
Reuse the old gasket. A new gasket will be installed in step [*16].

(d) Using a 5 mm hexagon socket wrench, remove the overflow plug and gasket from the automatic transmission assembly. [*4]

(e) Remove the refill plug and O-ring from the automatic transmission assembly. [*5]

(f) Add automatic transmission fluid to the refill hole until it flows out of the overflow hole. [*6]
NOTICE:
- **Use Toyota Genuine ATF WS.**
- **Be sure to add automatic transmission fluid slowly. If automatic transmission fluid is added quickly, the automatic transmission fluid may hit internal parts and bounce back, resulting in automatic transmission fluid coming out of the refill hole.**

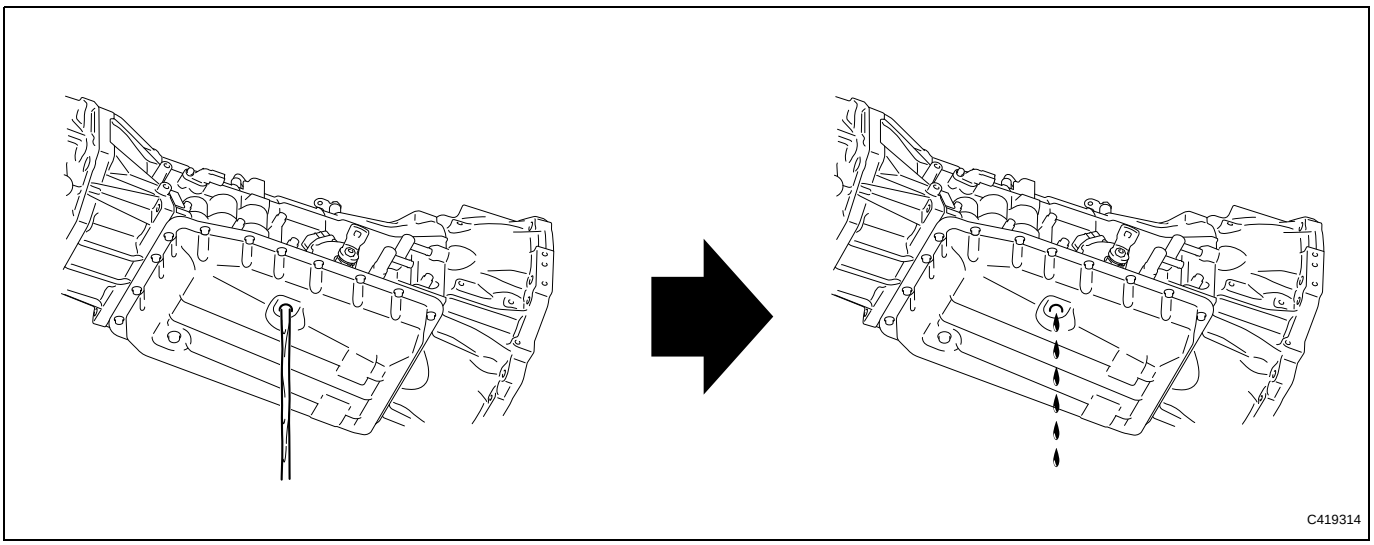




[Added]

AT

(g) Wait until the automatic transmission fluid flow slows and only drops come out. [*7]



(h) Using a 5 mm hexagon socket wrench. temporarily install the gasket and overflow plug to the automatic transmission assembly. [*8]
HINT:
Reuse the old gasket as the overflow plug will be removed again.

(i) Add the amount of specified to the refill hole. [*9]
Specified Amount of Fluid:
1.7 liters (1.8 US qts, 1.5 Imp. qts)
HINT:
If the specified amount of the automatic transmission fluid cannot be added, perform steps [*10] to [*14].

(j) Temporarily install the O-ring and refill plug to the automatic transmission assembly. [*10]
HINT:
Reuse the old O-ring as the refill plug will be removed again.

(k) Lower the vehicle. [*11]

(l) Start the engine. [*12]
NOTICE:
To reduce load, make sure that all electrical systems, such as the air conditioning, lighting system, electric fan and audio system, are off.

(m) Slowly move the shift lever from P to S, and then move the shift lever to P. [*13]

(n) Allow the engine to idle for 30 seconds to warm it up. [*14]

(o) Turn the engine switch off. [*15]

(p) Repeat steps [*1] to [*15].

(q) Repeat steps [*1] to [*2].

(r) Install a new gasket and the drain plug to the automatic transmission assembly. [*16]
Torque: 20 N*m (204 kgf*cm, 15 ft.*lbf)

(s) Repeat steps [*4] to [*11].

[Added]

2. ADJUST FLUID TEMPERATURE

AT-5 See*1

3. CHECK FLUID LEVEL

AT-7 See*1

4. AFTER FILLING TRANSMISSION

AT-9 See*1

ADJUSTMENT

1. BEFORE FILLING TRANSMISSION

- The A750F automatic transmission assembly requires Toyota Genuine ATF WS.
- If the entire automatic transmission assembly, automatic transmission oil pan sub-assembly, drain plug, transmission valve body assembly and/or torque converter assembly have/has been replaced, proceed to the Fill Transmission procedure.
- If the transmission case adapter rear oil seal has been replaced and/or an automatic transmission fluid leak has been replaced, proceed to the Adjust Fluid Temperature procedure.

2. TRANSMISSION PAN WITH FLUID

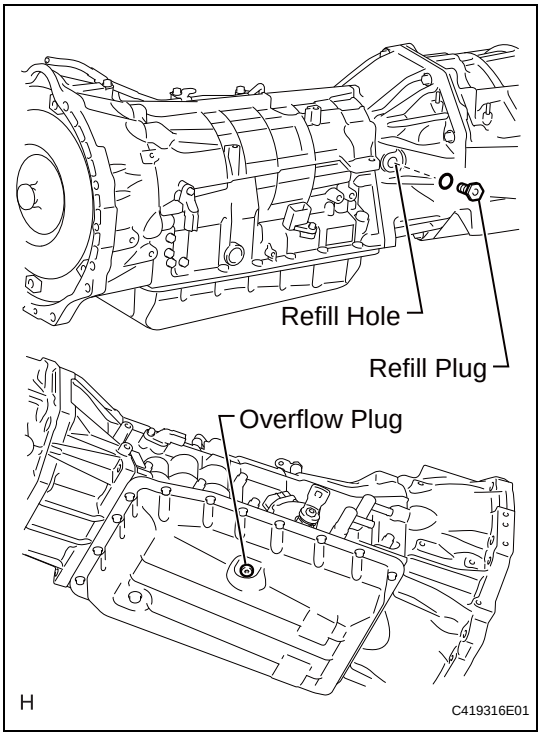
(a) Lift the vehicle.

NOTICE:

Set the vehicle on a lift so that the vehicle is kept level when it is lifted up (make sure that the tilt angle from the front to rear of the vehicle is within +/-1°).

(b) Using a 5 mm hexagon socket wrench, remove the overflow plug and gasket from the automatic transmission assembly.

(c) Remove the refill plug and O-ring from the automatic transmission assembly.

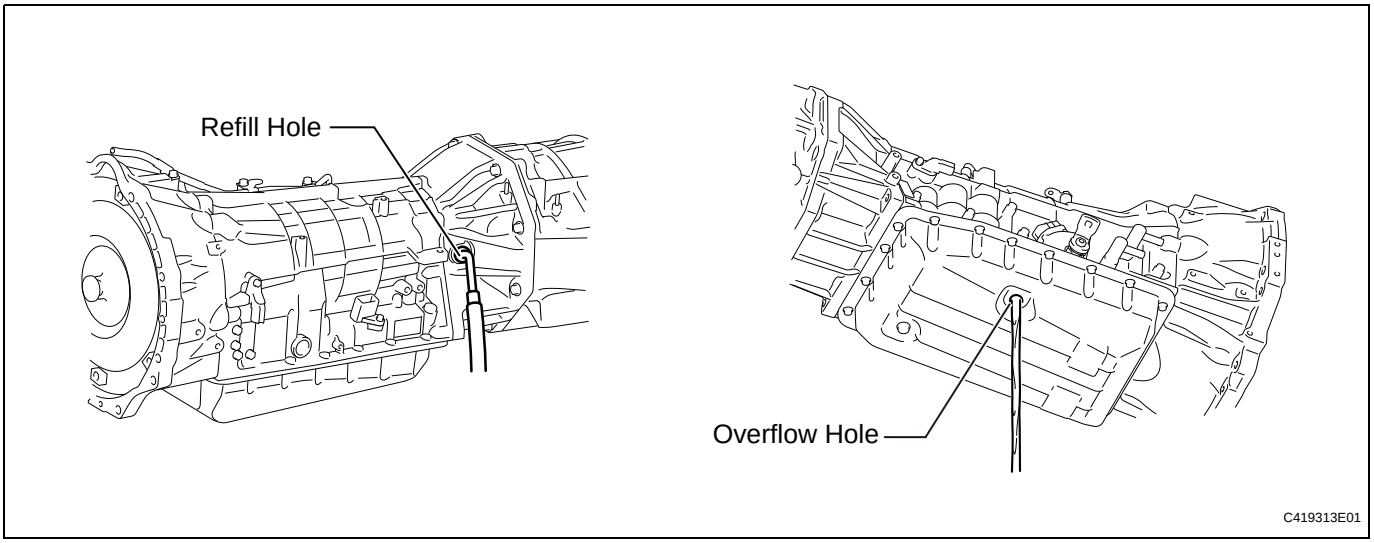


[Corrected]

See*1: A750F AUTOMATIC TRANSMISSION / TRANSAXLE - AUTOMATIC TRANSMISSION FLUID - ADJUSTMENT (2012/01-)

AT

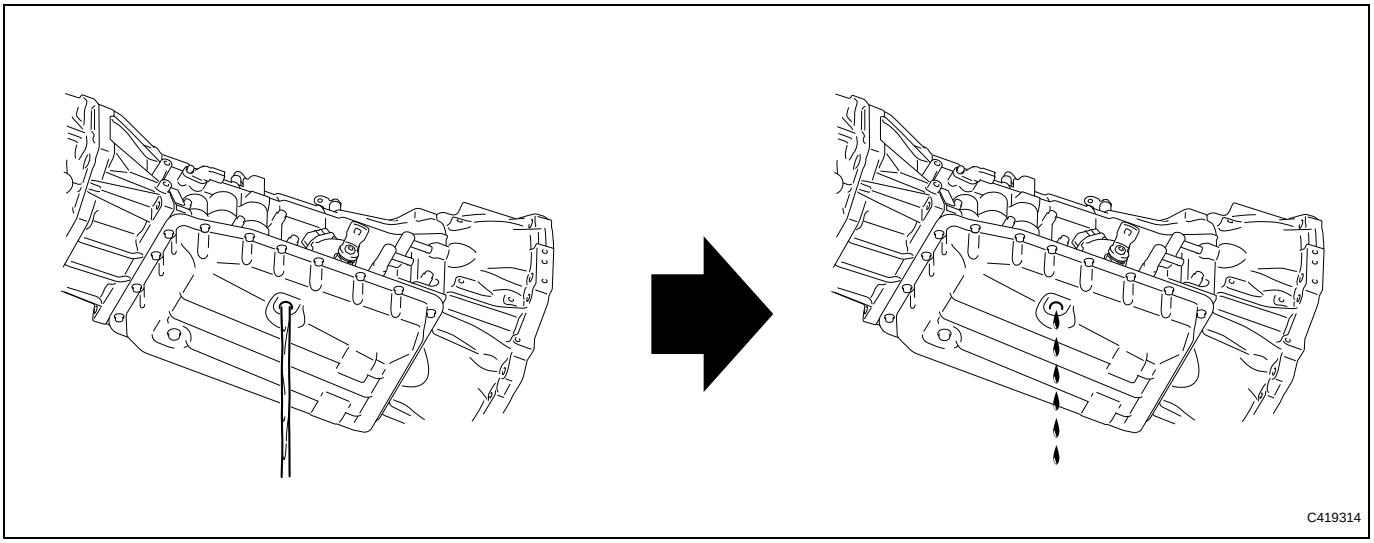
(d) Add automatic transmission fluid to the refill hole until it flows out of the overflow hole.



NOTICE:

- **Use Toyota Genuine ATF WS.**
- **Be sure to add automatic transmission fluid slowly. If automatic transmission fluid is added quickly, the automatic transmission fluid may hit internal parts and bounce back, resulting in automatic transmission fluid coming out of the refill hole.**

(e) Wait until the automatic transmission fluid flow slows and only drips come out.



(f) Using a 5 mm hexagon socket wrench, temporarily install the overflow plug and gasket to the automatic transmission assembly.
HINT:
Reuse the old gasket as the overflow plug will be removed again.

[Corrected]

3. TRANSMISSION FILL

(a) Fill the transmission with the amount of fluid listed in the table below.

Standard Capacity

Repair	Fill Amount
Transmission pan and drain plug removal	1.7 liters (1.8 US qts, 1.5 Imp. qts)
Transmission valve body removal	4.3 liters (4.5 US qts, 3.8 Imp. qts)
Torque converter removal	5.4 liters (5.7 US qts, 4.8 Imp. qts)

HINT:

If the specified amount of automatic transmission fluid cannot be added, perform the following:

(1) Temporarily install the O-ring and refill plug to the automatic transmission assembly.
HINT:
Reuse the old O-ring as the refill plug will be removed again.

(2) Lower the vehicle.

(3) Start the engine.
NOTICE:
To reduce load, make sure that all electrical systems, such as the air conditioning, lighting system, electric fan and audio system, are off.

(4) Slowly move the shift lever from P to D, then move the shift lever to P.

(5) Allow the engine to idle for 30 seconds to warm it up.

(6) Turn the engine switch off.

(7) Remove the refill plug and O-ring from the automatic transmission assembly.

(8) Fill the automatic transmission assembly with the correct amount of automatic transmission fluid as listed in the table above.

(9) Temporarily install the O-ring and refill plug to the automatic transmission assembly.
HINT:
Reuse the old O-ring as the refill plug will be removed again.

4. ADJUST FLUID TEMPERATURE

NOTICE:
The fluid temperature can be confirmed by checking the indicator light in the meter or by using the GTS. When using the GTS, it is necessary to change to temperature detection mode in order to idle the vehicle appropriately.

(a) When using the GTS:

(1) Turn the engine switch off.

(2) Connect the GTS to the DLC3.

(3) Turn the engine switch on (IG).

(4) Enter the following menus: Powertrain / Engine and ECT / Active Test / Connect the TC and TE1.

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(5) Enter the following menus: Powertrain / Engine and ECT / Data List / A/T Oil Temperature 1.

(6) Check the ATF temperature.
NOTICE:
- **The ATF temperature must be between 38 to 45°C (100 to 113°F).**
- **If the ATF temperature is not between 38 to 45°C (100 to 113°F), turn the engine switch off and wait until the fluid temperature drops between 38 to 45°C (100 to 113°F).**

(7) According to the display on the GTS, perform the Active Test "Connect the TC and TE1".
HINT:
Indicator lights of the meter blink to output DTCs when TC and TE1 are connected.

(8) Start the engine.
NOTICE:
To reduce load, make sure that all electrical systems, such as the air conditioning, lighting system, electric fan and audio system, are off.

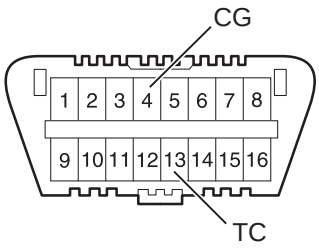
(b) When not using the GTS:

(1) Using SST, connect terminals 13 (TC) and 4 (CG) of the DLC3.
SST 09843-18040

(2) Start the engine.
NOTICE:
To reduce load, make sure that all electrical systems, such as the air conditioning, lighting system, electric fan and audio system, are off.
HINT:
Indicator lights of the meter blink to output DTCs when terminals TC and CG are connected.

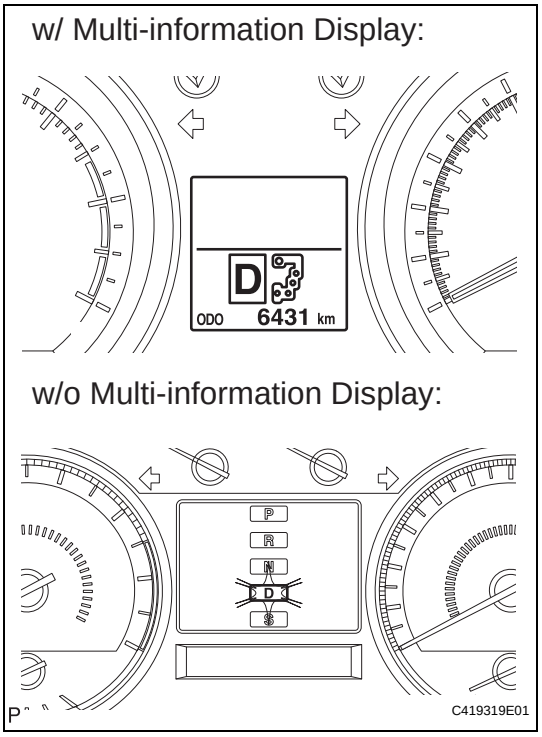
(c) Slowly move the shift lever from P to S, and then move the shift lever to P.
HINT:
Slowly move the shift lever to circulate the fluid through each part of the transmission.

Front view of DLC3:



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(d) Move the shift lever to D, and quickly move back and forth between N and D (once within 1.5 seconds) for at least 6 seconds. This will activate the fluid temperature detection mode.
Standard condition:
Indicator light (D) remains illuminated for 2 seconds and then turns off.

(e) When using the GTS:
(1) Return the shift lever to P and press OFF on the Active Test display.

(f) When not using the GTS:
(1) Return the shift lever to P and disconnect terminals 13 (TC) and 4 (CG).

(g) Allow the engine to idle until the fluid temperature reaches 38 to 45°C (100 to 113°F).

(h) The indicator (D) will come on again when the fluid temperature reaches 38°C (100°F) and will blink when it exceeds 46°C (113°F).

Indicator Indication of ATF Temperature

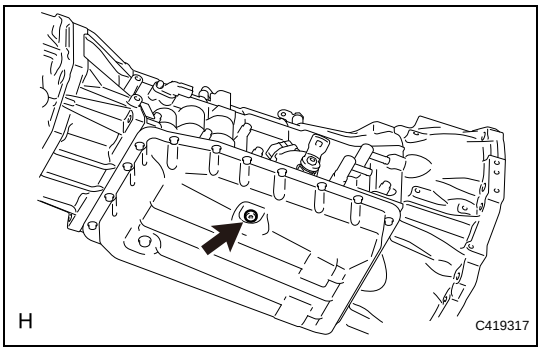
Below Proper Temperature	Proper Temperature	Higher than Proper Temperature
Data List [A/T Oil Temperature 1] 38°C (100°F) or less	Data List [A/T Oil Temperature 1] 38 to 45°C (100 to 113°F)	Data List [A/T Oil Temperature 1] 45°C (113°F) or higher
Indicator light (D) Turns off	Indicator light (D) Turns on	Indicator light (D) Blinking

NOTICE:
Perform the fluid level inspection while the indicator light is on.

5. CHECK FLUID LEVEL

CAUTION:
Use caution while the engine is idling and the radiator fan is operating.

(a) Lift the vehicle.
NOTICE:
Set the vehicle on a lift so that the vehicle is kept level when it is lifted up (make sure that the tilt angle from the front to rear of the vehicle is within +/-1°).



(b) Using a 5 mm hexagon socket wrench, remove the overflow plug and gasket from the automatic transmission assembly.
CAUTION:
Be careful as the automatic transmission fluid coming out of the overflow hole is hot.

(c) Check the amount of automatic transmission fluid that comes out of the overflow hole.
- If the amount of automatic transmission fluid that comes out of the overflow hole is large, proceed to step [*1].

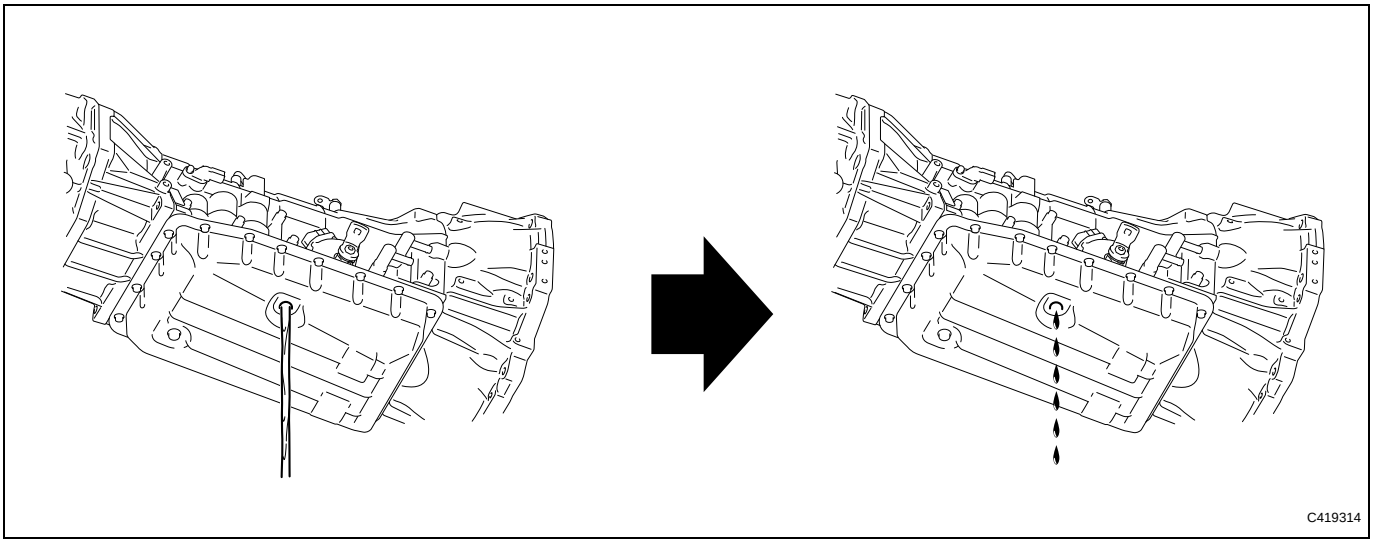
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- If no automatic transmission fluid comes out of the overflow hole, proceed to step [*2].

NOTICE:

If only a small amount of automatic transmission fluid (approximately 5 cc) comes out of the overflow hole, then only automatic transmission fluid remaining in the No. 1 transmission oil filler tube has come out. This is not considered to be overflow.

(d) If the amount of automatic transmission fluid that comes out of the overflow hole is large, wait until the automatic transmission fluid flow slows and only drips come out. [*1]

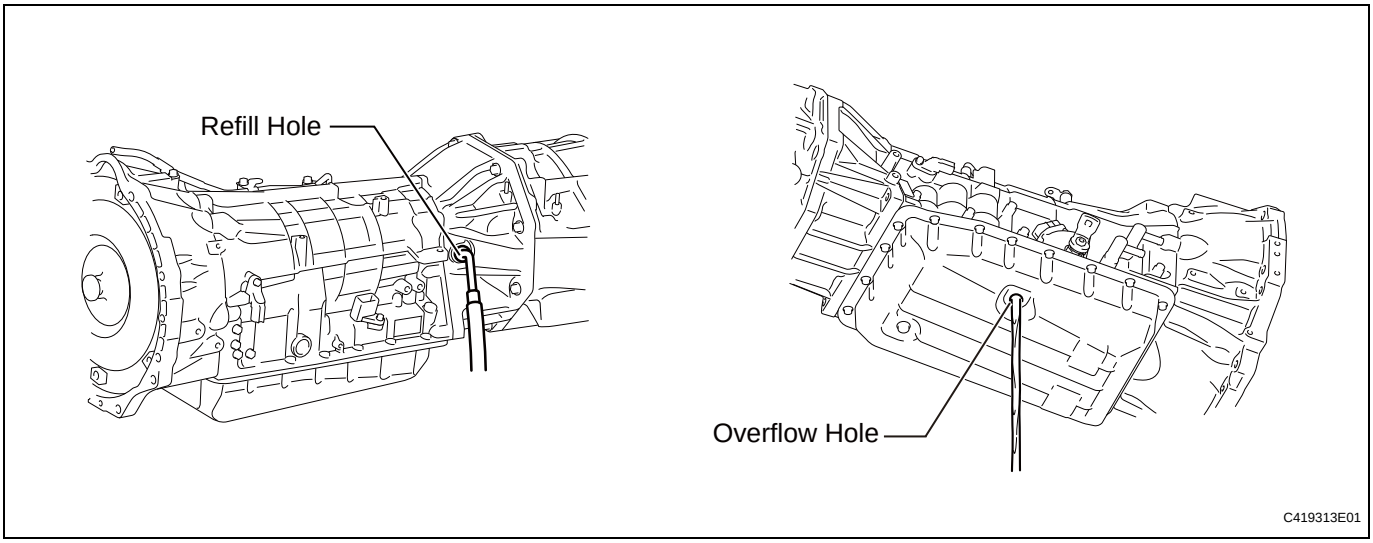


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HINT:

The automatic transmission fluid flow will not stop completely because the automatic transmission fluid continues to expand as its temperature increases.

(e) If no automatic transmission fluid comes out of the overflow hole, remove the refill plug and O-ring. Then add automatic transmission fluid to the refill hole until it flows out of the overflow hole. [*2]



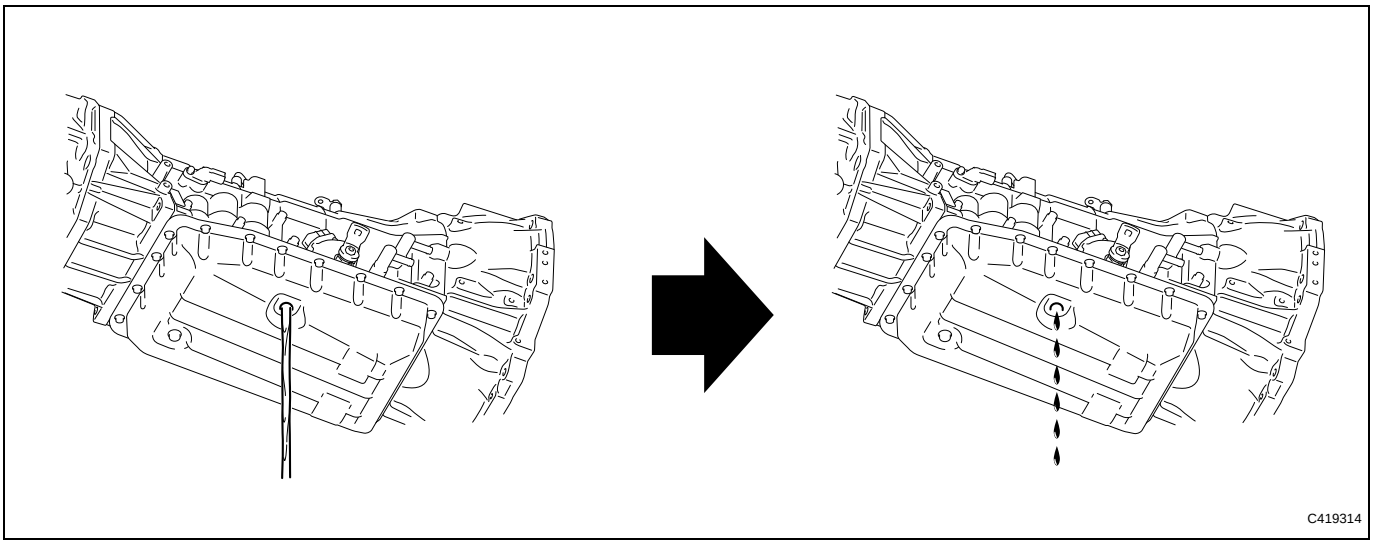
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NOTICE:

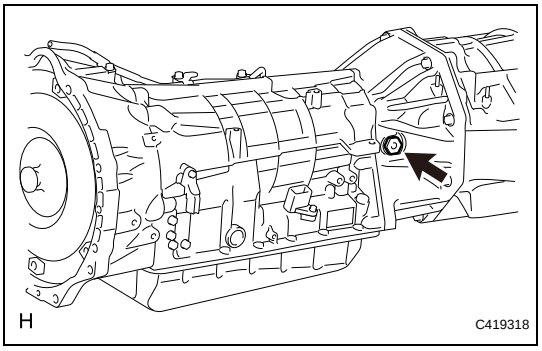
- **Use Toyota Genuine ATF WS.**
- **Be sure to add automatic transmission fluid slowly. If automatic transmission fluid is added quickly, the automatic transmission fluid may hit internal parts and bounce back, resulting in automatic transmission fluid coming out of the refill hole.**

(f) Wait until the automatic transmission fluid flow slows and only drips come out.



HINT:
The automatic transmission fluid flow will not stop completely because the automatic transmission fluid continues to expand as its temperature increases.

(g) Using a 5 mm hexagon socket wrench, install a new gasket and the overflow plug to the automatic transmission assembly.
Torque: 20 N*m (204 kgf*cm, 15 ft.*lbf)



(h) Install a new O-ring and the refill plug to the automatic transmission assembly.
Torque: 39 N*m (400 kgf*cm, 29 ft.*lbf)

(i) Lower the vehicle.

(j) Turn the engine switch off.
HINT:
Turning the engine switch off exits automatic transmission fluid temperature detection mode.

(k) Disconnect the GTS from the DLC3 (when using the GTS).

6. AFTER FILLING TRANSMISSION

(a) Lift the vehicle.

(b) Clean each part.

(c) Check for automatic transmission fluid leaks.

(d) Lower the vehicle.

[Corrected]