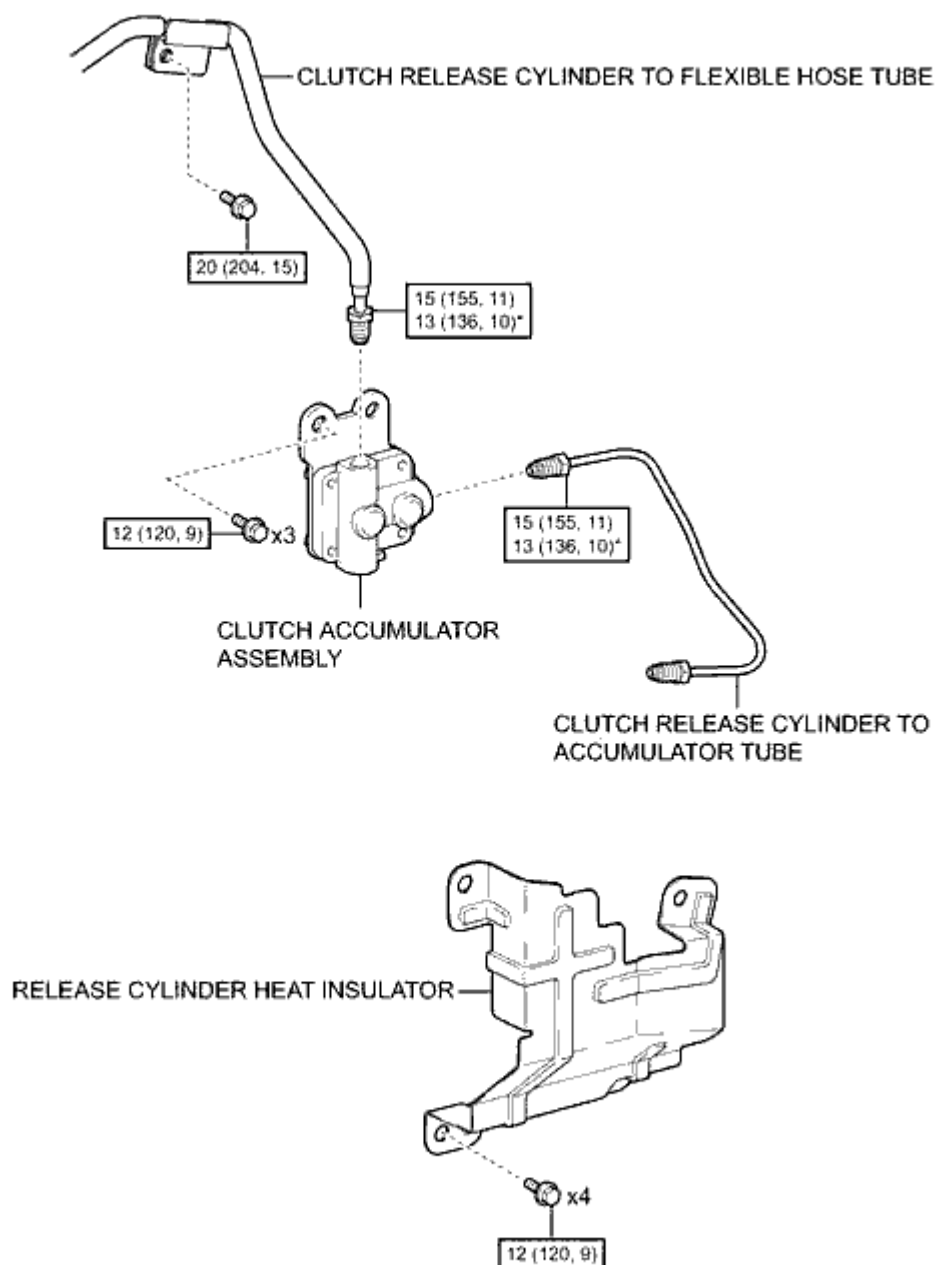


Last Modified: 11-13-2015	6.6 K	Doc ID: RM0000026KV00HX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH ACCUMULATOR: COMPONENTS; 2016 MY Tacoma [08/2015 -]		

COMPONENTS

ILLUSTRATION



[N*m (kgf*cm, ft.*lbf)]: Specified torque

* For use with union nut wrench

P



Last Modified: 11-13-2015	6.6 A	Doc ID: RM00000176800UX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH ACCUMULATOR: INSTALLATION; 2016 MY Tacoma [08/2015 -]		

INSTALLATION

1. INSTALL CLUTCH ACCUMULATOR ASSEMBLY

- (a) Install the clutch accumulator assembly to the manual transmission assembly with the 3 bolts.

Torque:

12 N·m {120 kgf·cm, 9ft·lbf}

- (b) Using a union nut wrench, connect the clutch release cylinder to flexible hose tube to the clutch accumulator assembly.

Torque:

Specified tightening torque -

15 N·m {155 kgf·cm, 11ft·lbf}

HINT:

- Calculate the torque wrench reading when changing the fulcrum length of the torque wrench [INFO](#) .
- When using a union nut wrench (fulcrum length of 22 mm (0.866 in.)) + torque wrench (fulcrum length of 162 mm (6.38 in.)): 13 N·m (136 kgf·cm, 10 ft·lbf)

- (c) Install the clutch release cylinder to flexible hose tube to the manual transmission assembly with the bolt.

Torque:

20 N·m {204 kgf·cm, 15ft·lbf}

2. INSTALL CLUTCH RELEASE CYLINDER TO ACCUMULATOR TUBE [INFO](#)

3. INSTALL RELEASE CYLINDER HEAT INSULATOR [INFO](#)

4. INSTALL FRONT PROPELLER SHAFT ASSEMBLY

[INFO](#)

5. FILL RESERVOIR WITH BRAKE FLUID [INFO](#)

6. BLEED CLUTCH LINE [INFO](#)

7. CHECK FLUID LEVEL IN RESERVOIR [INFO](#)

8. INSPECT FOR CLUTCH FLUID LEAK



Last Modified: 11-13-2015	6.6 A	Doc ID: RM00000176900UX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH ACCUMULATOR: REMOVAL; 2016 MY Tacoma [08/2015 -]		

REMOVAL

1. DRAIN CLUTCH FLUID

2. REMOVE FRONT PROPELLER SHAFT ASSEMBLY

INFO

3. REMOVE RELEASE CYLINDER HEAT INSULATOR

INFO

4. REMOVE CLUTCH RELEASE CYLINDER TO ACCUMULATOR TUBE

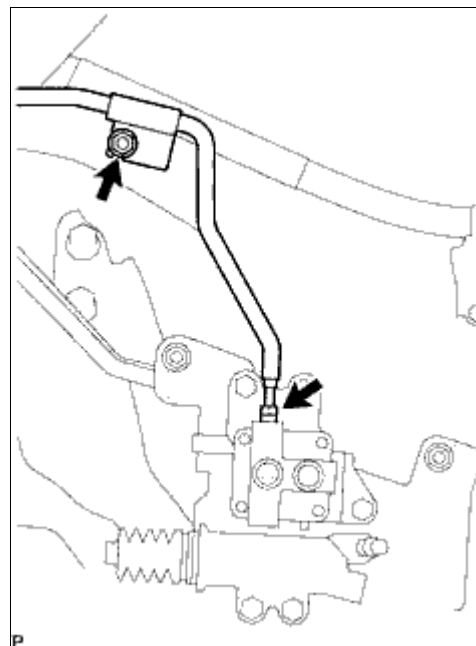
INFO

5. REMOVE CLUTCH ACCUMULATOR ASSEMBLY

- (a) Using a union nut wrench, disconnect the clutch release cylinder to flexible hose tube from the clutch accumulator assembly.

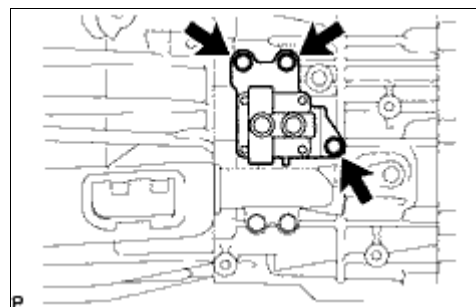
HINT:

Use a container to catch the fluid.



- (b) Remove the bolt and separate the clutch release cylinder to flexible hose tube from the manual transmission assembly.

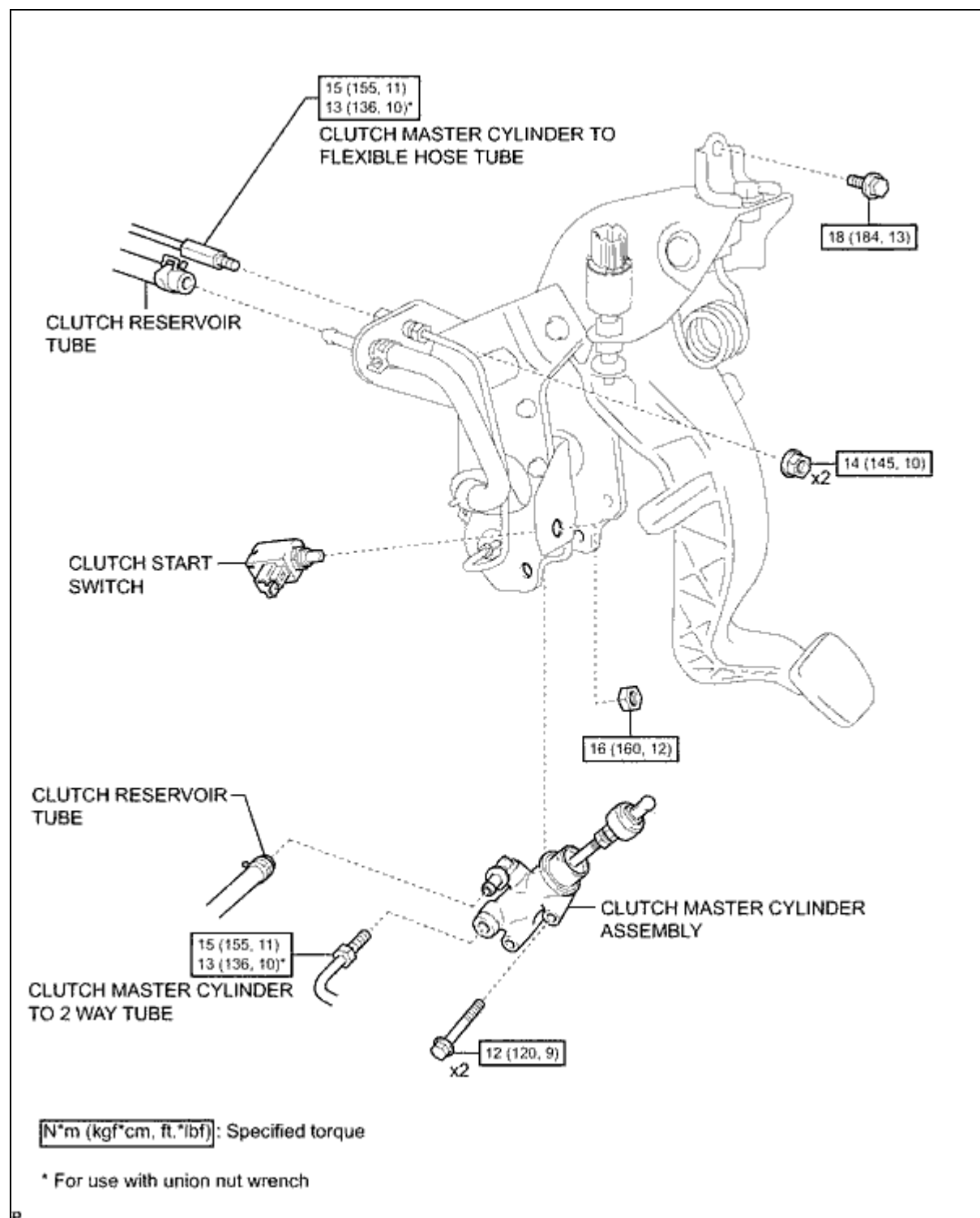
- (c) Remove the 3 bolts and clutch accumulator assembly from the manual transmission assembly.



Last Modified: 11-13-2015	6.6 K	Doc ID: RM00000174900SX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH MASTER CYLINDER: COMPONENTS; 2016 MY Tacoma [08/2015 -]		

COMPONENTS

ILLUSTRATION



P



Last Modified: 11-13-2015	6.6 A	Doc ID: RM00000174800UX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH MASTER CYLINDER: INSTALLATION; 2016 MY Tacoma [08/2015 -]		

INSTALLATION

1. INSTALL CLUTCH MASTER CYLINDER ASSEMBLY

- (a) Install the clutch master cylinder assembly to the clutch pedal support with the 2 bolts.

Torque:

12 N·m {120 kgf·cm, 9ft·lbf}

- (b) Install the clutch start switch to the clutch pedal support with the nut.

Torque:

16 N·m {160 kgf·cm, 12ft·lbf}

- (c) Using a union nut wrench, connect the clutch master cylinder to 2 way tube to the clutch master cylinder assembly.

Torque:

Specified tightening torque -

15 N·m {155 kgf·cm, 11ft·lbf}

HINT:

- Calculate the torque wrench reading when changing the fulcrum length of the torque wrench [INFO](#) .
- When using a union nut wrench (fulcrum length of 22 mm (0.866 in.)) + torque wrench (fulcrum length of 162 mm (6.38 in.)): 13 N·m (136 kgf·cm, 10 ft·lbf)

- (d) Connect the clutch reservoir tube to the clutch master cylinder assembly.

2. INSTALL CLUTCH PEDAL WITH CLUTCH MASTER CYLINDER

- (a) Install the clutch pedal with clutch master cylinder to the vehicle body with the bolt and 2 nuts.

Torque:

for Bolt -

18 N·m {184 kgf·cm, 13ft·lbf}

for Nut -

14 N·m {145 kgf·cm, 10ft·lbf}

- (b) Connect the clutch switch connector.
- (c) Connect the clutch start switch connector.

3. CONNECT CLUTCH MASTER CYLINDER TO FLEXIBLE HOSE TUBE

- (a) Using a union nut wrench, connect the clutch master cylinder to flexible hose tube to the clutch pedal support way.

Torque:

Specified tightening torque -

15 N·m {155 kgf·cm, 11ft·lbf}

HINT:

- Calculate the torque wrench reading when changing the fulcrum length of the torque wrench [INFO](#) .
- When using a union nut wrench (fulcrum length of 22 mm (0.866 in.)) + torque wrench (fulcrum length of 162 mm (6.38 in.)): 13 N·m (136 kgf·cm, 10 ft·lbf)

4. CONNECT CLUTCH RESERVOIR TUBE

(a) Connect the clutch reservoir tube.

5. INSTALL DRIVER SIDE JUNCTION BLOCK

INFO

6. FILL RESERVOIR WITH BRAKE FLUID

INFO

7. BLEED BRAKE LINE (for Vacuum Brake Booster)

INFO

8. BLEED CLUTCH LINE

INFO

9. INSPECT FOR CLUTCH FLUID LEAK

10. CHECK FLUID LEVEL IN RESERVOIR

INFO

11. INSPECT AND ADJUST CLUTCH PEDAL

INFO



Last Modified: 11-13-2015	6.6 A	Doc ID: RM00000174A00UX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH MASTER CYLINDER: REMOVAL; 2016 MY Tacoma [08/2015 -]		

REMOVAL

1. DRAIN CLUTCH FLUID

2. REMOVE DRIVER SIDE JUNCTION BLOCK

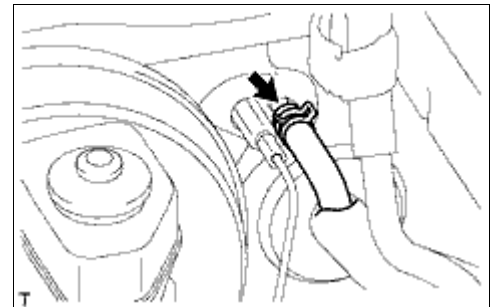
INFO

3. DISCONNECT CLUTCH RESERVOIR TUBE

- (a) Disconnect the clutch reservoir tube.

HINT:

Use a container to collect the fluid.

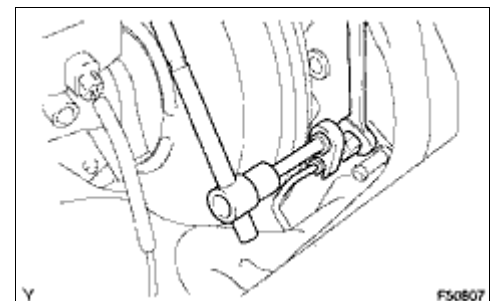


4. DISCONNECT CLUTCH MASTER CYLINDER TO FLEXIBLE HOSE TUBE

- (a) Using a union nut wrench, disconnect the clutch master cylinder to flexible hose tube from the clutch pedal support way.

HINT:

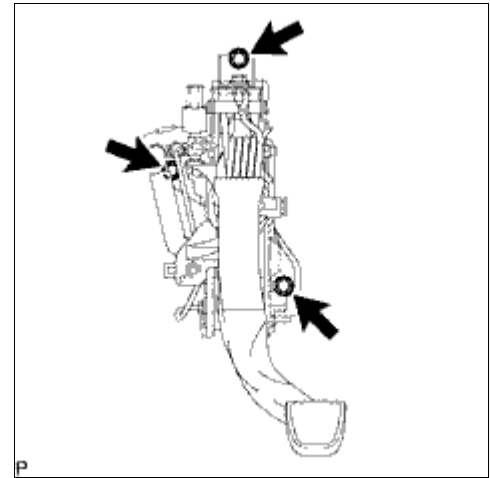
Use a container to collect the fluid.



5. REMOVE CLUTCH PEDAL WITH CLUTCH MASTER CYLINDER

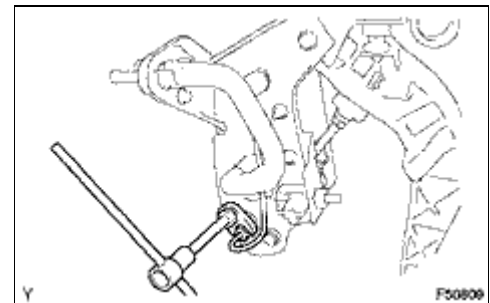
- (a) Disconnect the clutch start switch connector.
 (b) Disconnect the clutch switch connector.

- (c) Remove the bolt, 2 nuts and clutch pedal with clutch master cylinder from the vehicle body.

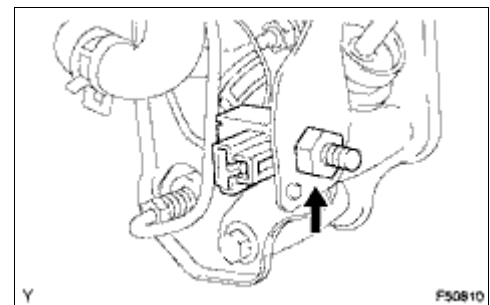


6. REMOVE CLUTCH MASTER CYLINDER ASSEMBLY

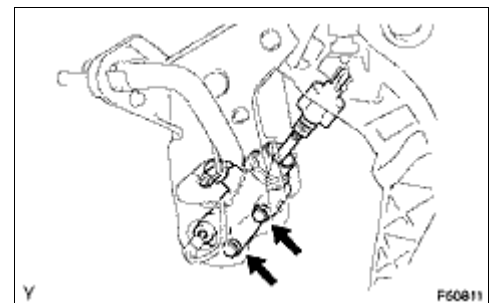
- (a) Disconnect the clutch reservoir tube from the clutch master cylinder assembly.



- (b) Using a union nut wrench, disconnect the clutch master cylinder to 2 way tube from the clutch master cylinder assembly.



- (c) Remove the nut and clutch start switch from the clutch pedal support.



- (d) Remove the 2 bolts and clutch master cylinder assembly from the clutch pedal support.



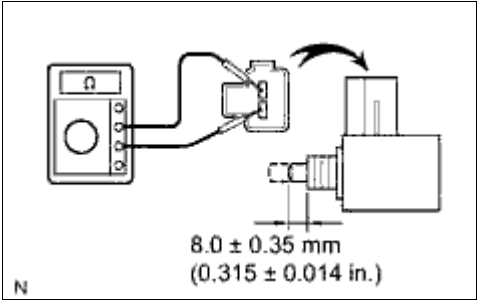
Last Modified: 11-13-2015	6.6 G	Doc ID: RM00000176B00IX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH PEDAL SWITCH: INSPECTION; 2016 MY Tacoma [08/2015 -]		

INSPECTION

1. INSPECT CLUTCH START SWITCH ASSEMBLY

- (a) Measure the resistance between the terminals when the switch is ON and OFF.

SWITCH POSITION	SPECIFIED CONDITION
ON (pushed)	Below 1 Ω
OFF (free)	10 k Ω or higher



Last Modified: 11-13-2015	6.6 A	Doc ID: RM00000176A00QX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH PEDAL SWITCH: INSTALLATION; 2016 MY Tacoma [08/2015 -]		

INSTALLATION

1. INSTALL CLUTCH START SWITCH ASSEMBLY

(a) Install the clutch start switch assembly with the nut.

Torque:

16 N·m {160 kgf·cm, 12ft·lbf}

(b) Connect the clutch start switch assembly connector.

2. INSPECT CLUTCH START SWITCH ASSEMBLY [INFO](#)



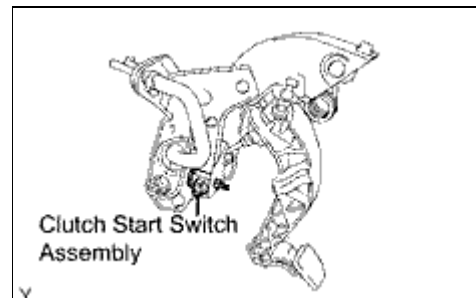
Last Modified: 11-13-2015	6.6 G	Doc ID: RM00000176D00HX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH PEDAL SWITCH: ON-VEHICLE INSPECTION; 2016 MY Tacoma [08/2015 -]		

ON-VEHICLE INSPECTION

1. CHECK CLUTCH START SYSTEM

- (a) Check that the engine does not start when the clutch pedal is released.
- (b) Check that the engine starts when the clutch pedal is fully depressed.

If necessary, replace the clutch start switch assembly.

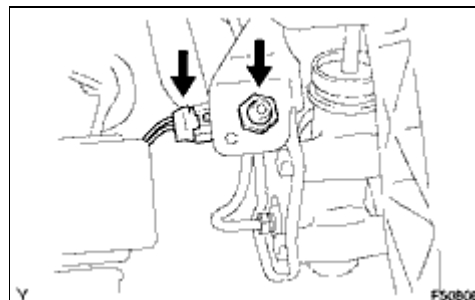


Last Modified: 11-13-2015	6.6 A	Doc ID: RM00000176C00QX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH PEDAL SWITCH: REMOVAL; 2016 MY Tacoma [08/2015 -]		

REMOVAL

1. REMOVE CLUTCH START SWITCH ASSEMBLY

- (a) Disconnect the clutch start switch assembly connector.
- (b) Remove the nut and clutch start switch assembly from the clutch pedal support.



Last Modified: 11-13-2015	6.6 N	Doc ID: RM0000010R102HX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH PEDAL: ADJUSTMENT; 2016 MY Tacoma [08/2015 -]		

ADJUSTMENT

1. INSPECT AND ADJUST CLUTCH PEDAL

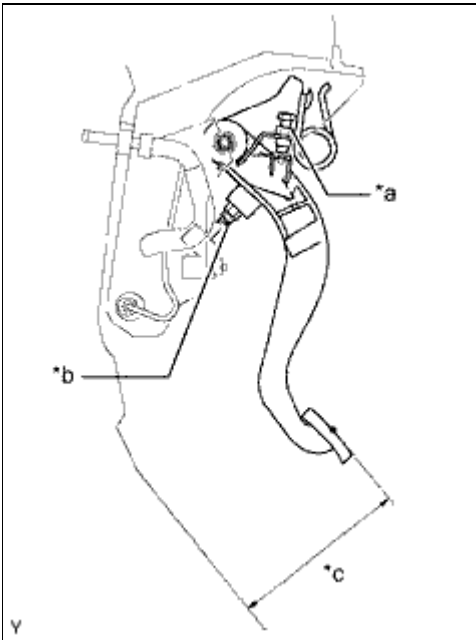
(a) Fold back the floor carpet.

(b) Check that the pedal height is correct.

Text in Illustration

*a	Pedal Height Adjustment Point
*b	Push Rod Play and Free Play Adjustment Point
*c	Pedal Height

Pedal height from floor panel:
178.1 to 188.1 mm (7.01 to 7.41 in.)



(c) Adjust the pedal height.

(1) Loosen the lock nut and turn the clutch switch assembly until the height is correct. Tighten the lock nut.

Torque:

20 N·m {201 kgf·cm, 15ft·lbf}

(d) Check the pedal free play and push rod play.

Text in Illustration

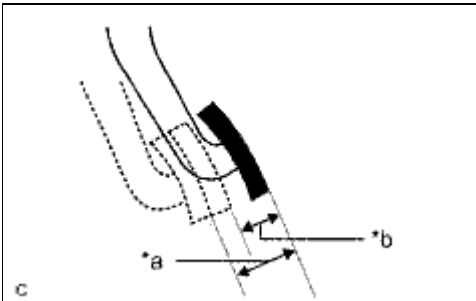
*a	Pedal Free Play
*b	Push Rod Play

HINT:

Pay close attention to the change in resistance to distinguish between pedal free play and push rod play while performing the inspection.

- Depress the clutch pedal until resistance is felt.
- Measure the distance between the pedal's released position and the position in the previous step.

Pedal free play:



5.0 to 15.0 mm (0.197 to 0.591 in.)

(3) Release the pedal. Using your finger, gently press the pedal until resistance increases slightly.

(4) Measure the distance between the pedal's released position and the position in the previous step.

Push rod play at pedal top:

1.0 to 5.0 mm (0.0394 to 0.197 in.)

(e) Adjust the pedal free play and push rod play.

HINT:

The push rod play can be adjusted by changing the length of the push rod. Pedal free play changes together with push rod play.

(1) Loosen the lock nut and turn the push rod until the pedal free play and push rod play are within the specified ranges.

NOTICE:

If pedal free play and push rod play are not within the standard range even after adjustment, inspect the related parts.

(2) Tighten the lock nut.

Torque:

12 N·m {120 kgf·cm, 9ft·lbf}

(3) After adjusting the pedal free play and push rod play, check the pedal height.

(f) Check the clutch release point.

Text in Illustration

*a	Full Stroke End Position
*b	Release Position
*c	25 mm or more

(1) Pull the parking brake lever and use wheel chocks to stabilize the vehicle.

(2) Start the engine and run it at idle.

(3) Without depressing the clutch pedal, slowly move the shift lever to R until the gears contact.

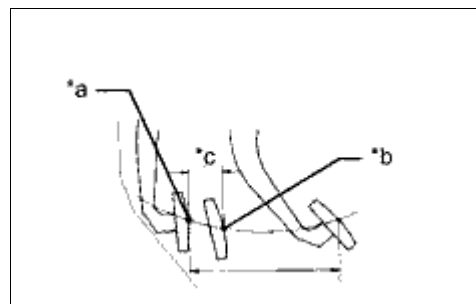
(4) Gently depress the clutch pedal and measure the stroke distance from the point that the gear noise stops (release point) up to the full stroke end position.

Standard distance:

25 mm (0.984 in.) or more

If the result is not as specified, perform the following procedures.

- Check pedal height.
- Check push rod play and pedal free play.



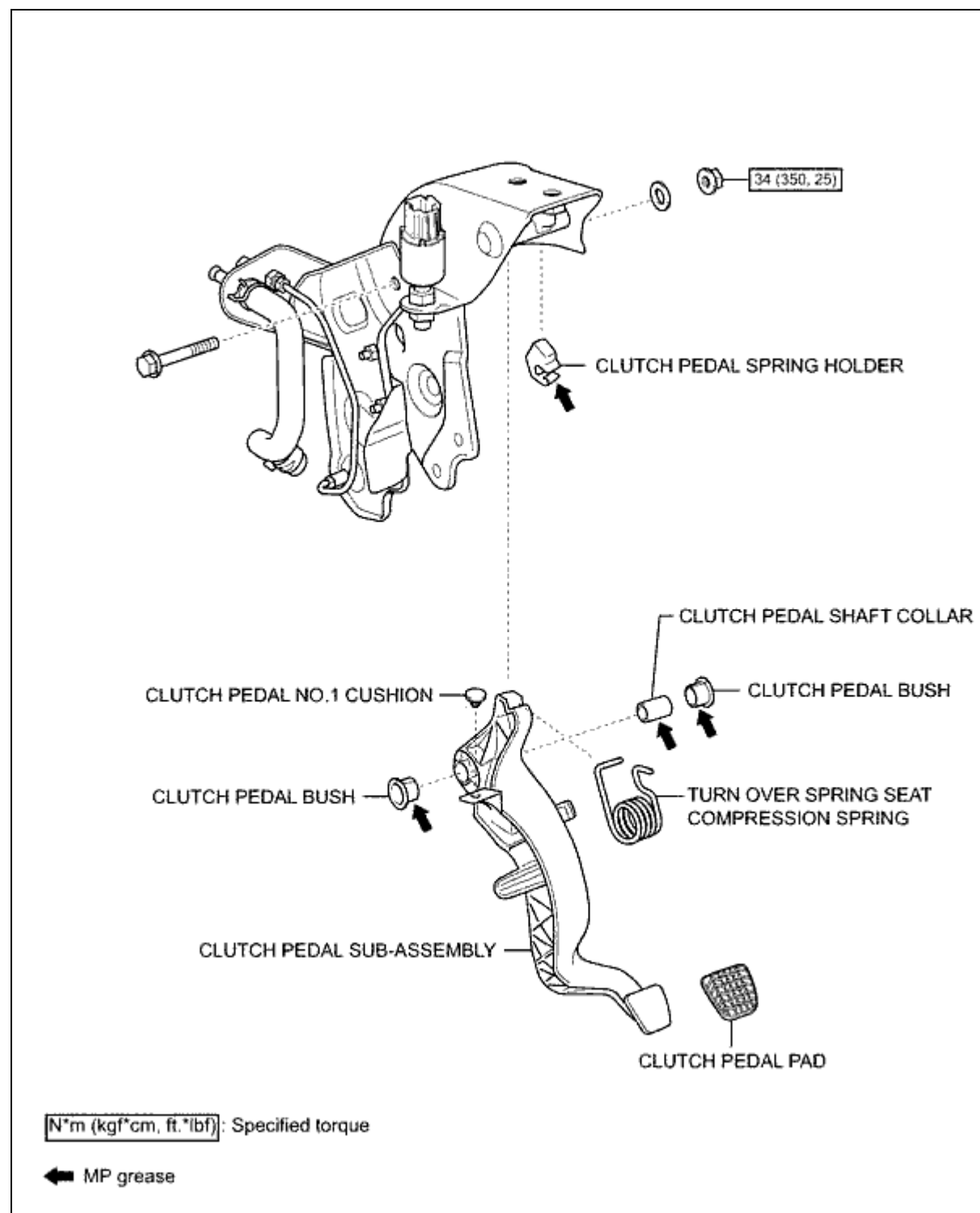
- Bleed air from clutch line.
- Check clutch cover and disc.



Last Modified: 11-13-2015	6.6 K	Doc ID: RM00000174D00TX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH PEDAL: COMPONENTS; 2016 MY Tacoma [08/2015 -]		

COMPONENTS

ILLUSTRATION



Last Modified: 11-13-2015	6.6 A	Doc ID: RM00000174C01CX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH PEDAL: INSTALLATION; 2016 MY Tacoma [08/2015 -]		

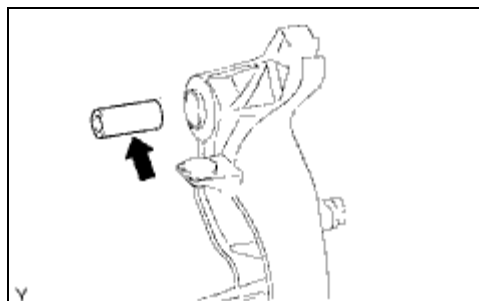
INSTALLATION

1. INSTALL CLUTCH PEDAL NO.1 CUSHION

- (a) Install the clutch pedal No. 1 cushion to the clutch pedal sub-assembly.

2. INSTALL CLUTCH PEDAL SHAFT COLLAR

- (a) Apply MP grease to the clutch pedal shaft collar.



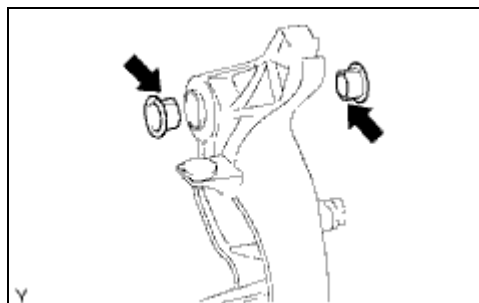
Text in Illustration

	MP grease
--	-----------

- (b) Install the clutch pedal shaft collar to the clutch pedal sub-assembly.

3. INSTALL CLUTCH PEDAL BUSH

- (a) Apply MP grease to 2 new bushes.



Text in Illustration

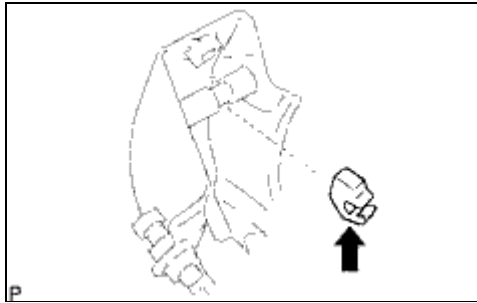
	MP grease
---	-----------

- (b) Install the 2 bushes to the clutch pedal sub-assembly.

4. INSTALL CLUTCH PEDAL PAD

5. INSTALL CLUTCH PEDAL SPRING HOLDER

- (a) Apply MP grease to the contact surface of the clutch pedal spring holder and clutch pedal support.



Text in Illustration

	MP grease
---	-----------

(b) Install the clutch pedal spring holder.

6. INSTALL CLUTCH PEDAL SUB-ASSEMBLY

(a) Install the clutch pedal sub-assembly to the clutch pedal support with the bolt and nut.

Torque:

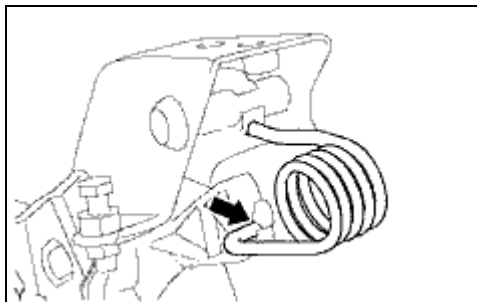
34 N·m {350 kgf·cm, 25ft·lbf}

HINT:

Install the bolt from the left side of the vehicle.

7. INSTALL TURN OVER SPRING SEAT COMPRESSION SPRING

(a) Apply MP grease to the contact surfaces of the clutch pedal sub-assembly and the compression spring.



Text in Illustration

	MP grease
---	-----------

(b) Install the compression spring to the clutch pedal sub-assembly and the clutch pedal spring holder.

8. INSTALL CLUTCH MASTER CYLINDER ASSEMBLY

INFO



Last Modified: 11-13-2015	6.6 A	Doc ID: RM00000174E01CX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH PEDAL: REMOVAL; 2016 MY Tacoma [08/2015 -]		

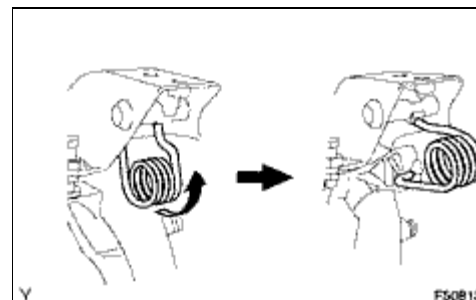
REMOVAL

1. REMOVE CLUTCH MASTER CYLINDER ASSEMBLY

INFO

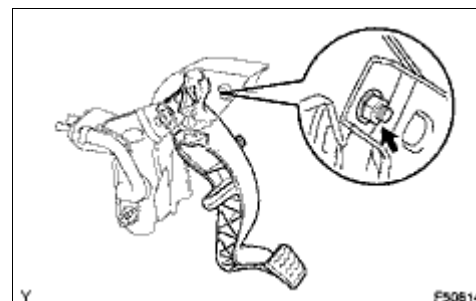
2. REMOVE TURN OVER SPRING SEAT COMPRESSION SPRING

- (a) Remove the compression spring.



3. REMOVE CLUTCH PEDAL SUB-ASSEMBLY

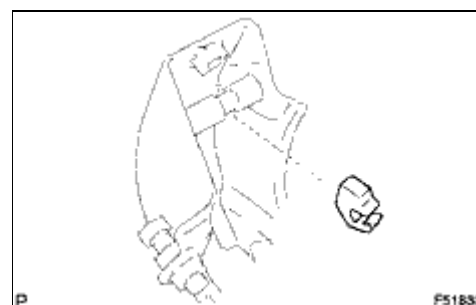
- (a) Remove the bolt and nut.



- (b) Remove the clutch pedal sub-assembly from the clutch pedal support.

4. REMOVE CLUTCH PEDAL SPRING HOLDER

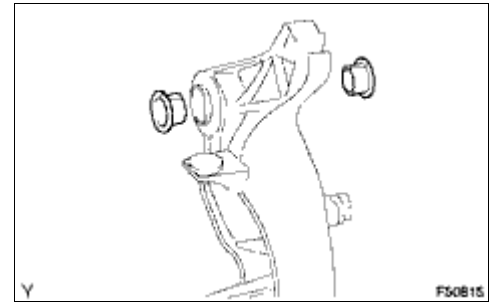
- (a) Remove the clutch pedal spring holder from the clutch pedal support.



5. REMOVE CLUTCH PEDAL PAD

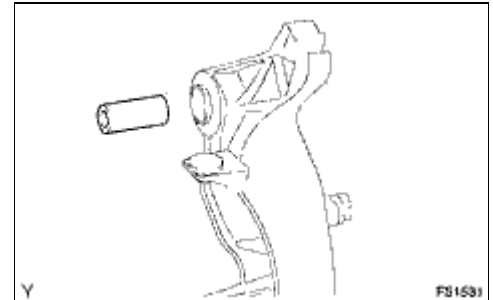
6. REMOVE CLUTCH PEDAL BUSH

- (a) Remove the 2 bushes from the clutch pedal sub-assembly.



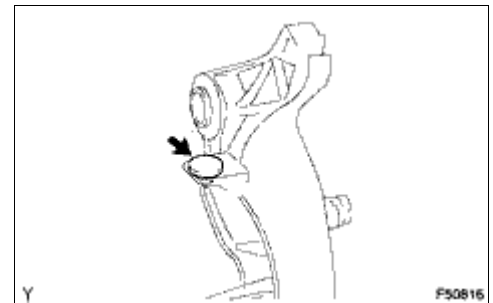
7. REMOVE CLUTCH PEDAL SHAFT COLLAR

- (a) Remove the clutch pedal shaft collar from the clutch pedal sub-assembly.



8. REMOVE CLUTCH PEDAL NO.1 CUSHION

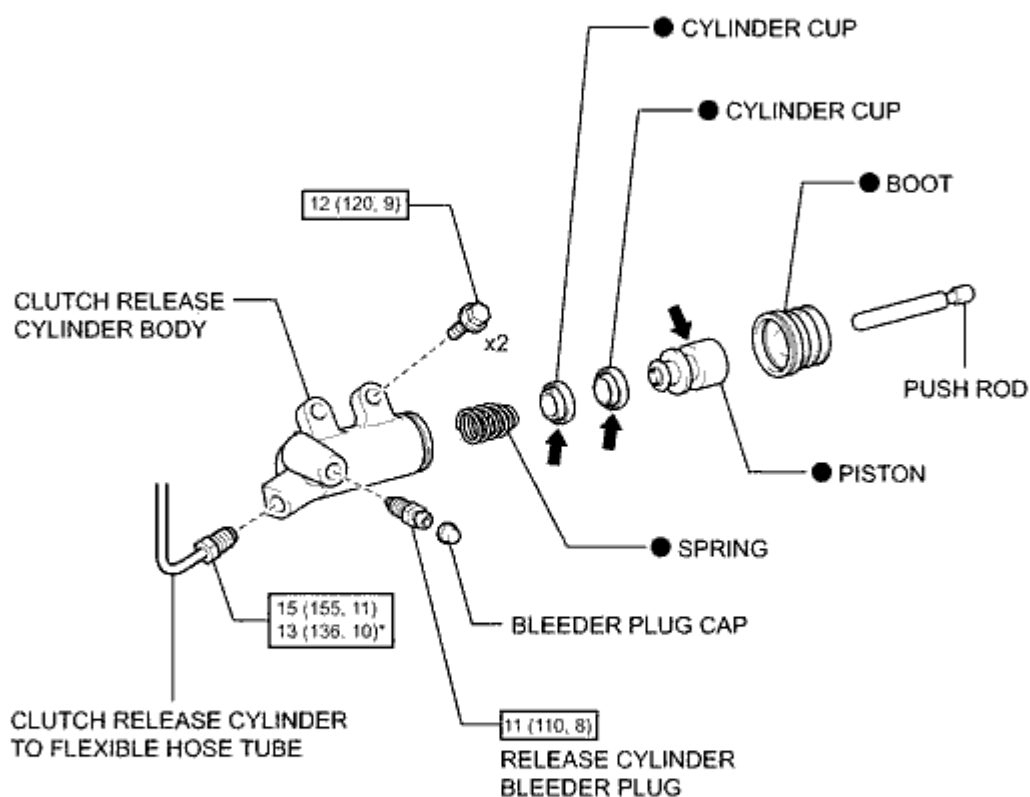
- (a) Using needle-nose pliers, remove the clutch pedal No. 1 cushion from the clutch pedal sub-assembly.



Last Modified: 11-13-2015	6.6 K	Doc ID: RM0000032RB011X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH RELEASE CYLINDER (for R156F): COMPONENTS; 2016 MY Tacoma [08/2015 -]		

COMPONENTS

ILLUSTRATION



[N*m (kgf*cm, ft.*lbf)]: Specified torque

* For use with union nut wrench

● Non-reusable part

← Lithium soap base glycol grease

T



Last Modified: 11-13-2015	6.6 A	Doc ID: RM0000032RD011X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH RELEASE CYLINDER (for R156F): DISASSEMBLY; 2016 MY Tacoma [08/2015 -]		

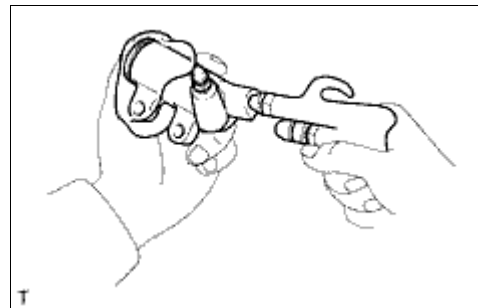
DISASSEMBLY

1. REMOVE CLUTCH RELEASE CYLINDER KIT

- (a) Remove the boot from the cylinder body.
- (b) Remove the push rod from the boot.
- (c) Using compressed air, remove the piston together with the spring from the cylinder body.

NOTICE:

Do not damage the inside of the cylinder body.



- (d) Remove the 2 cylinder cups from the piston.

2. REMOVE RELEASE CYLINDER BLEEDER PLUG

- (a) Remove the bleeder plug from the cylinder body.



Last Modified: 11-13-2015	6.6 A	Doc ID: RM0000032RA011X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH RELEASE CYLINDER (for R156F): INSTALLATION; 2016 MY Tacoma [08/2015 -]		

INSTALLATION

1. INSTALL CLUTCH RELEASE CYLINDER ASSEMBLY

- (a) Install the clutch release cylinder assembly to the manual transmission assembly with the 2 bolts.

Torque:

12 N·m {120 kgf·cm, 9ft·lbf}

2. CONNECT CLUTCH RELEASE CYLINDER TO FLEXIBLE HOSE TUBE

- (a) Using a union nut wrench, connect the clutch release cylinder to flexible hose tube to the clutch release cylinder assembly.

Torque:

Specified tightening torque -

15 N·m {155 kgf·cm, 11ft·lbf}

HINT:

- Calculate the torque wrench reading when changing the fulcrum length of the torque wrench [INFO](#) .
- When using a union nut wrench (fulcrum length of 22 mm (0.866 in.)) + torque wrench (fulcrum length of 162 mm (6.38 in.)): 13 N·m (136 kgf·cm, 10 ft·lbf)

3. INSTALL FRONT PROPELLER SHAFT ASSEMBLY

[INFO](#)

4. FILL RESERVOIR WITH BRAKE FLUID [INFO](#)

5. BLEED CLUTCH LINE [INFO](#)

6. CHECK FLUID LEVEL IN RESERVOIR [INFO](#)

7. INSPECT FOR CLUTCH FLUID LEAK



Last Modified: 11-13-2015	6.6 A	Doc ID: RM0000032RE011X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH RELEASE CYLINDER (for R156F): REASSEMBLY; 2016 MY Tacoma [08/2015 -]		

REASSEMBLY

1. INSTALL RELEASE CYLINDER BLEEDER PLUG

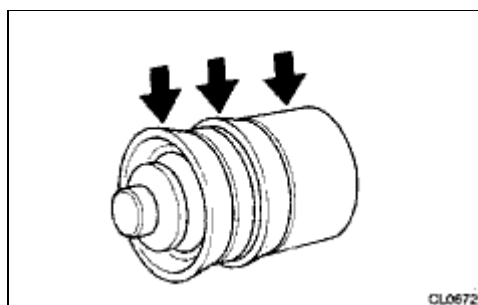
- (a) Install the bleeder plug to the cylinder body.

Torque:

11 N·m {110 kgf·cm, 8ft·lbf}

2. INSTALL CLUTCH RELEASE CYLINDER KIT

- (a) Install 2 new cylinder cups to a new piston.
- (b) Install a new spring to the piston.
- (c) Apply lithium soap base glycol grease to the portions indicated by the arrows in the illustration.



Text in Illustration

	Lithium soap base glycol grease
---	---------------------------------

- (d) Install the piston (with the spring) to the cylinder body.

NOTICE:

Do not damage the inside of the cylinder body.

- (e) Install the push rod to a new boot.
- (f) Install the boot (with the push rod) to the cylinder body.



Last Modified: 11-13-2015	6.6 A	Doc ID: RM0000032RC011X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH RELEASE CYLINDER (for R156F): REMOVAL; 2016 MY Tacoma [08/2015 -]		

REMOVAL

1. DRAIN CLUTCH FLUID

2. REMOVE FRONT PROPELLER SHAFT ASSEMBLY

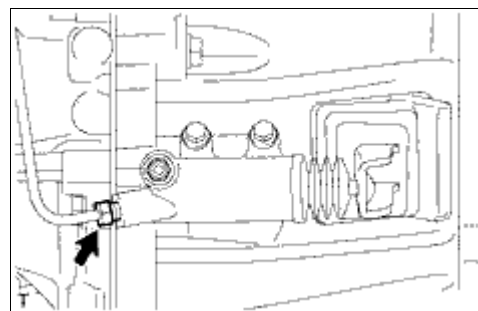
INFO

3. DISCONNECT CLUTCH RELEASE CYLINDER TO FLEXIBLE HOSE TUBE

- (a) Using a union nut wrench, disconnect the clutch release cylinder to flexible hose tube from the clutch release cylinder assembly.

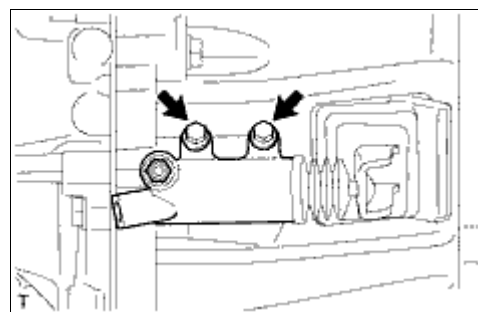
HINT:

Use a container to catch the fluid.



4. REMOVE CLUTCH RELEASE CYLINDER ASSEMBLY

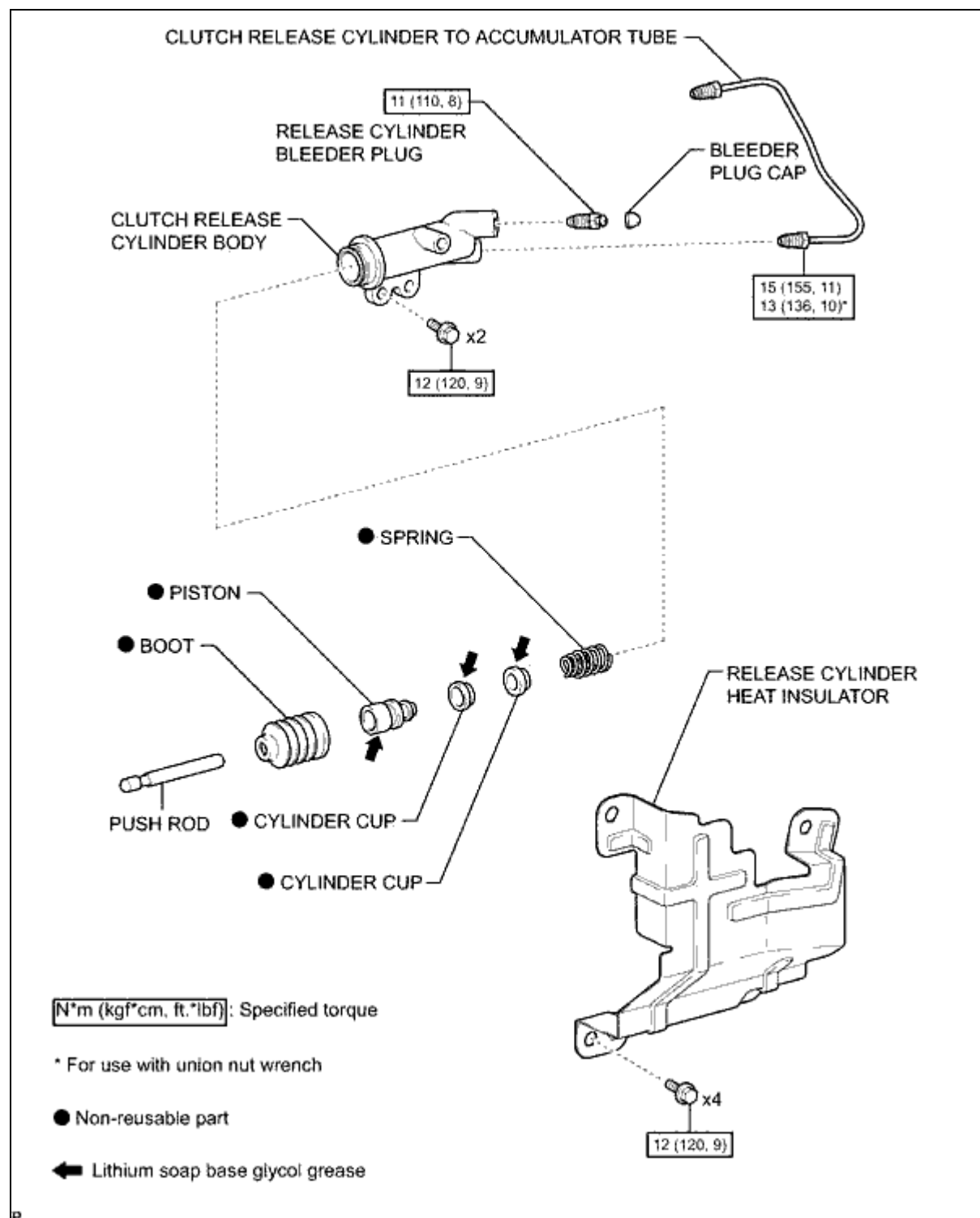
- (a) Remove the 2 bolts and clutch release cylinder assembly from the manual transmission assembly.



Last Modified: 11-13-2015	6.6 K	Doc ID: RM0000032RB012X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH RELEASE CYLINDER (for RC62F): COMPONENTS; 2016 MY Tacoma [08/2015 -]		

COMPONENTS

ILLUSTRATION



P



Last Modified: 11-13-2015	6.6 A	Doc ID: RM0000032RD012X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH RELEASE CYLINDER (for RC62F): DISASSEMBLY; 2016 MY Tacoma [08/2015 -]		

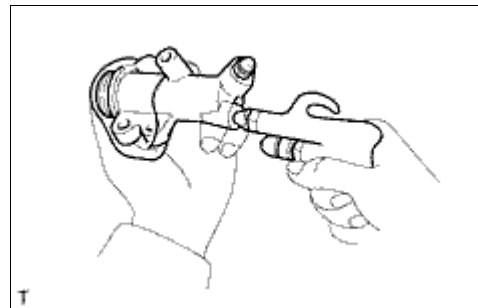
DISASSEMBLY

1. REMOVE CLUTCH RELEASE CYLINDER KIT

- (a) Remove the boot from the cylinder body.
- (b) Remove the push rod from the boot.
- (c) Using compressed air, remove the piston together with the spring from the cylinder body.

NOTICE:

Do not damage the inside of the cylinder body.



- (d) Remove the 2 cylinder cups from the piston.

2. REMOVE RELEASE CYLINDER BLEEDER PLUG

- (a) Remove the bleeder plug from the cylinder body.



Last Modified: 11-13-2015	6.6 A	Doc ID: RM0000032RA012X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH RELEASE CYLINDER (for RC62F): INSTALLATION; 2016 MY Tacoma [08/2015 -]		

INSTALLATION

1. INSTALL CLUTCH RELEASE CYLINDER ASSEMBLY

- (a) Install the clutch release cylinder assembly to the manual transmission assembly with the 2 bolts.

Torque:

12 N·m {120 kgf·cm, 9ft·lbf}

2. INSTALL CLUTCH RELEASE CYLINDER TO ACCUMULATOR TUBE

- (a) Using a union nut wrench, install the clutch release cylinder to accumulator tube to the clutch release cylinder assembly and clutch accumulator assembly.

Torque:

Specified tightening torque -

15 N·m {155 kgf·cm, 11ft·lbf}

HINT:

- Calculate the torque wrench reading when changing the fulcrum length of the torque wrench [INFO](#) .
- When using a union nut wrench (fulcrum length of 22 mm (0.866 in.)) + torque wrench (fulcrum length of 162 mm (6.38 in.)): 13 N·m (136 kgf·cm, 10 ft·lbf)

3. INSTALL RELEASE CYLINDER HEAT INSULATOR

- (a) Install the release cylinder heat insulator to the manual transmission assembly with the 4 bolts.

Torque:

12 N·m {120 kgf·cm, 9ft·lbf}

4. INSTALL FRONT PROPELLER SHAFT ASSEMBLY

[INFO](#)

5. FILL RESERVOIR WITH BRAKE FLUID [INFO](#)

6. BLEED CLUTCH LINE [INFO](#)

7. CHECK FLUID LEVEL IN RESERVOIR [INFO](#)

8. INSPECT FOR CLUTCH FLUID LEAK



Last Modified: 11-13-2015	6.6 A	Doc ID: RM0000032RE012X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH RELEASE CYLINDER (for RC62F): REASSEMBLY; 2016 MY Tacoma [08/2015 -]		

REASSEMBLY

1. INSTALL RELEASE CYLINDER BLEEDER PLUG

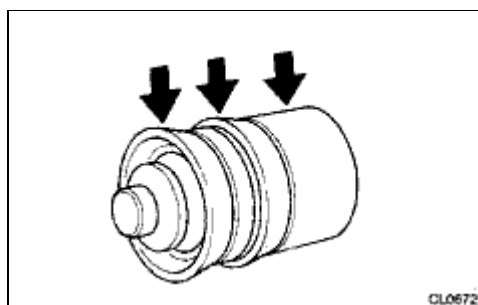
- (a) Install the bleeder plug to the cylinder body.

Torque:

11 N·m {110 kgf·cm, 8ft·lbf}

2. INSTALL CLUTCH RELEASE CYLINDER KIT

- (a) Install 2 new cylinder cups to a new piston.
- (b) Install a new spring to the piston.
- (c) Apply lithium soap base glycol grease to the portions indicated by the arrows in the illustration.



Text in Illustration

	Lithium soap base glycol grease
---	---------------------------------

- (d) Install the piston (with the spring) to the cylinder body.

NOTICE:

Do not damage the inside of the cylinder body.

- (e) Install the push rod to a new boot.
- (f) Install the boot (with the push rod) to the cylinder body.



Last Modified: 11-13-2015	6.6 A	Doc ID: RM0000032RC012X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH RELEASE CYLINDER (for RC62F): REMOVAL; 2016 MY Tacoma [08/2015 -]		

REMOVAL

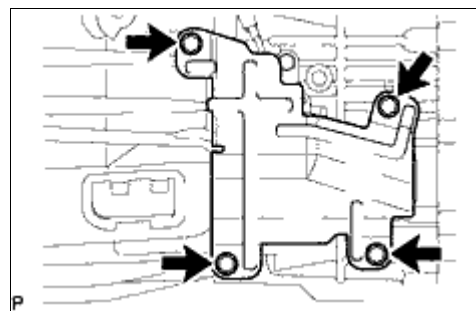
1. DRAIN CLUTCH FLUID

2. REMOVE FRONT PROPELLER SHAFT ASSEMBLY

INFO

3. REMOVE RELEASE CYLINDER HEAT INSULATOR

- (a) Remove the 4 bolts and release cylinder heat insulator from the manual transmission assembly.

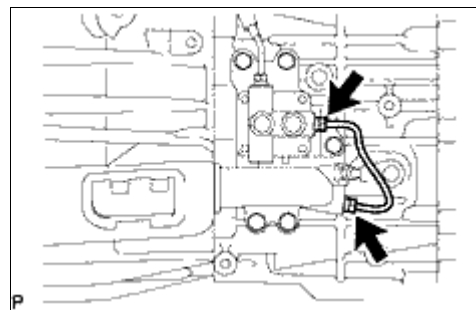


4. REMOVE CLUTCH RELEASE CYLINDER TO ACCUMULATOR TUBE

- (a) Using a union nut wrench, remove the clutch release cylinder to accumulator tube from the clutch release cylinder assembly and clutch accumulator assembly.

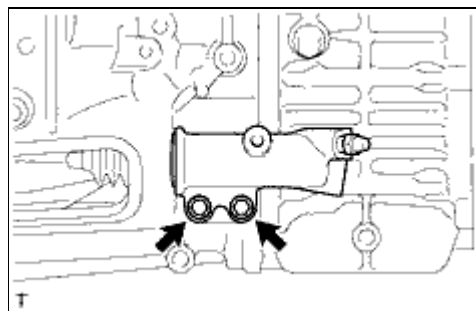
HINT:

Use a container to catch the fluid.



5. REMOVE CLUTCH RELEASE CYLINDER ASSEMBLY

- (a) Remove the 2 bolts and pull out the clutch release cylinder assembly from the manual transmission assembly.



Last Modified: 11-13-2015	6.6 G	Doc ID: RM000001FZW00KX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH START CANCEL SWITCH: INSPECTION; 2016 MY Tacoma [08/2015 -]		

INSPECTION

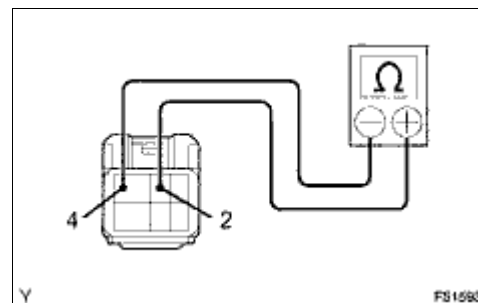
1. INSPECT CLUTCH START CANCEL SWITCH ASSEMBLY

- (a) Using an ohmmeter, check that there is resistance between terminals 2 and 4.

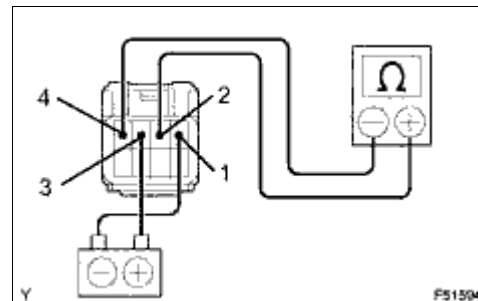
Standard:

10 k Ω or higher

If the result is not as specified, replace the clutch start cancel switch.



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



- (c) Using an ohmmeter, check that there is resistance between terminals 2 and 4.

Standard:

10 k Ω or higher

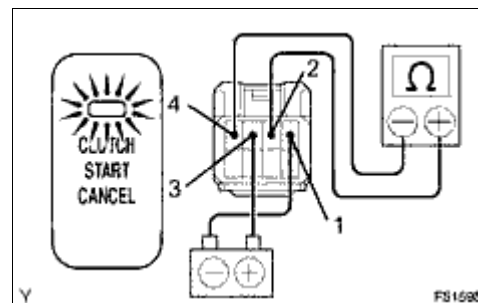
If the result is not as specified, replace the clutch start cancel switch.

- (d) Check that the indicator light comes on and there is resistance between terminals 2 and 4 when the switch is pressed.

Standard:

Below 1 Ω

If the result is not as specified, replace the clutch start cancel switch.

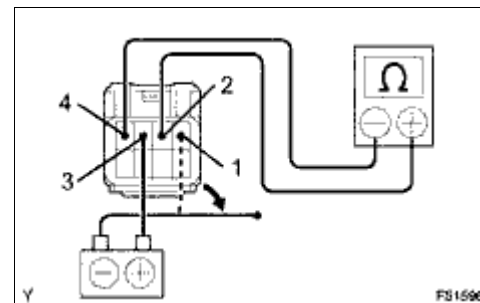


(e) Using an ohmmeter, check that there is resistance between terminals 2 and 4 when the battery lead is disconnected.

Standard:

10 k Ω or higher

If the result is not as specified, replace the clutch start cancel switch.



Last Modified: 11-13-2015	6.6 N	Doc ID: RM0000010R706XX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH SYSTEM: BLEEDING; 2016 MY Tacoma [08/2015 -]		

BLEEDING

NOTICE:

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

HINT:

If any work is performed on the clutch system or if there is thought to be air in the clutch lines, bleed air from the clutch hydraulic system.

1. FILL RESERVOIR WITH BRAKE FLUID

- (a) Fill the reservoir with brake fluid.

Brake fluid:

SAE J1703 or FMVSS No. 116 DOT 3

2. BLEED CLUTCH LINE

- (a) Remove the bleeder plug cap of the release cylinder.
- (b) Connect a vinyl tube to the bleeder plug.
- (c) Depress the clutch pedal several times, and then loosen the bleeder plug while the pedal is depressed.
- (d) When fluid no longer comes out, tighten the bleeder plug, and then release the clutch pedal.
- (e) Repeat the previous 2 steps until all the air in the fluid is completely bled.
- (f) Tighten the bleeder plug.

Torque:

11 N·m {110 kgf·cm, 8ft·lbf}

- (g) Install the bleeder plug cap.
- (h) Check that all the air has been bled from the clutch line.

3. CHECK FLUID LEVEL IN RESERVOIR

- (a) Check the fluid level.

If the brake fluid level is low, check for leaks and inspect the disc brake pad. If necessary, refill the reservoir with brake fluid after repair or replacement.

Brake fluid:

SAE J1703 or FMVSS No. 116 DOT 3

4. INSPECT FOR CLUTCH FLUID LEAK



Last Modified: 11-13-2015	6.6 T	Doc ID: RM00000174F00AX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH SYSTEM: PROBLEM SYMPTOMS TABLE; 2016 MY Tacoma [08/2015 -]		

PROBLEM SYMPTOMS TABLE

HINT:

Use the table below to help determine the cause of problem symptoms. If multiple suspected areas are listed, the potential causes of the symptoms are listed in order of probability in the "Suspected Area" column of the table. Check each symptom by checking the suspected areas in the order they are listed. Replace parts as necessary.

Clutch System

SYMPTOM	SUSPECTED AREA	SEE PAGE
Clutch grabs/chatters	Engine mounting (Loose)	-
	Clutch disc (excessive runout) (for R156F)	INFO
	Clutch disc (excessive runout) (for RC62F)	INFO
	Clutch disc (oily) (for R156F)	INFO
	Clutch disc (oily) (for RC62F)	INFO
	Clutch disc (worn out) (for R156F)	INFO
	Clutch disc (worn out) (for RC62F)	INFO
	Clutch disc torsion spring (damage) (for R156F)	INFO
	Clutch disc torsion spring (damage) (for RC62F)	INFO
	Clutch disc (glazed) (for R156F)	INFO
	Clutch disc (glazed) (for RC62F)	INFO
	Diaphragm spring (tip out of alignment) (for R156F)	INFO
	Diaphragm spring (tip out of alignment) (for RC62F)	INFO
Clutch pedal spongy	Clutch line (air in line)	-
	Clutch master cylinder (damaged)	INFO
	Clutch release cylinder cup (damaged) (for R156F)	INFO
	Clutch release cylinder cup (damaged) (for RC62F)	INFO
Clutch noisy	Clutch release bearing (worn, dirty, or damaged) (for R156F)	INFO
	Clutch release bearing (worn, dirty, or damaged) (for RC62F)	INFO
	Clutch disc torsion spring (damaged) (for R156F)	INFO
	Clutch disc torsion spring (damaged) (for RC62F)	INFO
Clutch slips	Clutch pedal (free play out of adjustment)	INFO
	Clutch disc (oily) (for R156F)	INFO
	Clutch disc (oily) (for RC62F)	INFO
	Clutch disc (worn out) (for R156F)	INFO

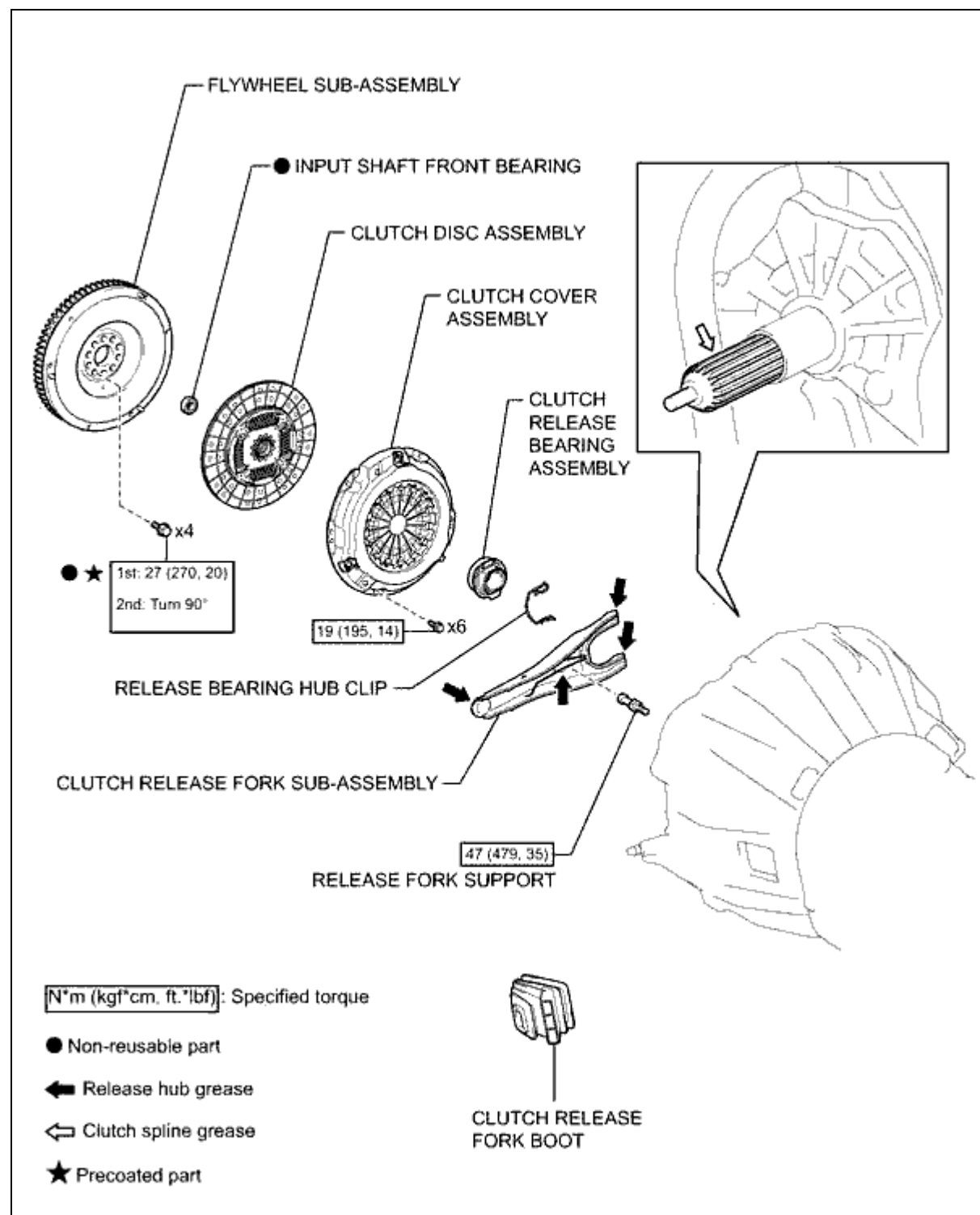
SYMPTOM	SUSPECTED AREA	SEE PAGE
	Clutch disc (worn out) (for RC62F)	INFO
	Diaphragm spring (damaged) (for R156F)	INFO
	Diaphragm spring (damaged) (for RC62F)	INFO
	Pressure plate (distortion) (for R156F)	INFO
	Pressure plate (distortion) (for RC62F)	INFO
	Flywheel (distortion) (for R156F)	INFO
	Flywheel (distortion) (for RC62F)	INFO
Clutch does not disengage	Clutch pedal (free play out of adjustment)	INFO
	Clutch line (air in line)	-
	Clutch master cylinder (damaged)	INFO
	Clutch release cylinder cup (damaged) (for R156F)	INFO
	Clutch release cylinder cup (damaged) (for RC62F)	INFO
	Clutch disc (out of line) (for R156F)	INFO
	Clutch disc (out of line) (for RC62F)	INFO
	Clutch disc (excessive runout) (for R156F)	INFO
	Clutch disc (excessive runout) (for RC62F)	INFO
	Clutch disc (lining broken) (for R156F)	INFO
	Clutch disc (lining broken) (for RC62F)	INFO
	Clutch disc (dirty or burned) (for R156F)	INFO
	Clutch disc (dirty or burned) (for RC62F)	INFO
	Clutch disc (oily) (for R156F)	INFO
	Clutch disc (oily) (for RC62F)	INFO
	Clutch disc (lack of spline grease) (for R156F)	INFO
	Clutch disc (lack of spline grease) (for RC62F)	INFO



Last Modified: 11-13-2015	6.6 K	Doc ID: RM000001398025X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH UNIT (for R156F): COMPONENTS; 2016 MY Tacoma [08/2015 -]		

COMPONENTS

ILLUSTRATION

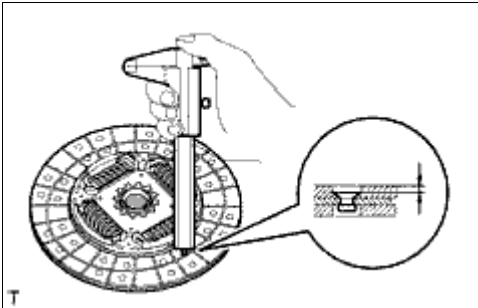


Last Modified: 11-13-2015	6.6 G	Doc ID: RM0000048BA011X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH UNIT (for R156F): INSPECTION; 2016 MY Tacoma [08/2015 -]		

INSPECTION

1. INSPECT CLUTCH DISC ASSEMBLY

- (a) Using a vernier caliper, measure the rivet head depth.
- Minimum rivet head depth:
0.3 mm (0.0118 in.)
- If the depth is less than the minimum, replace the clutch disc assembly.

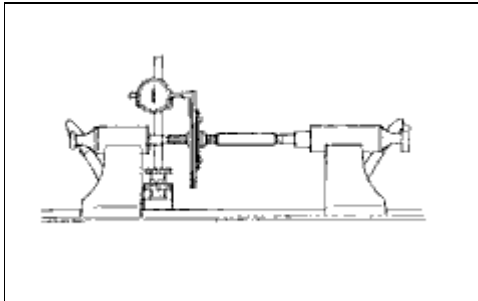


- (b) Using a dial indicator, check the disc runout.
- Maximum runout:
0.8 mm (0.0315 in.)

NOTICE:

Be sure to measure on the correct side of the clutch disc assembly.

If the runout is more than the maximum, replace the clutch disc assembly.



2. INSPECT CLUTCH COVER ASSEMBLY

- (a) Using a vernier caliper, measure the depth and width of the worn areas of the diaphragm spring.

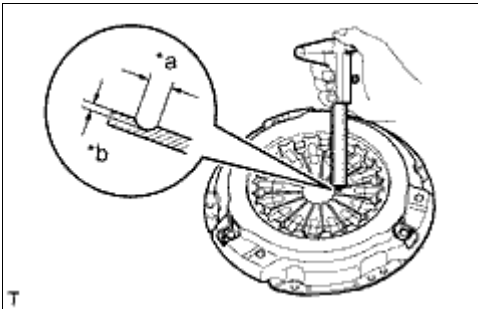
Text in Illustration

*a	Width
*b	Depth

Maximum Wear:

ITEM	SPECIFIED CONDITION
Width	6.0 mm (0.236 in.)
Depth	0.35 mm (0.0138 in.)

If the depth or width is more than the maximum, replace the clutch cover assembly.



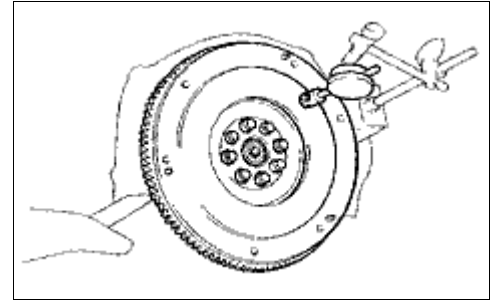
3. INSPECT FLYWHEEL SUB-ASSEMBLY

- (a) Using a dial indicator, measure the flywheel runout.

Maximum runout:

0.1 mm (0.00393 in.)

If the runout is more than the maximum, replace the flywheel sub-assembly.



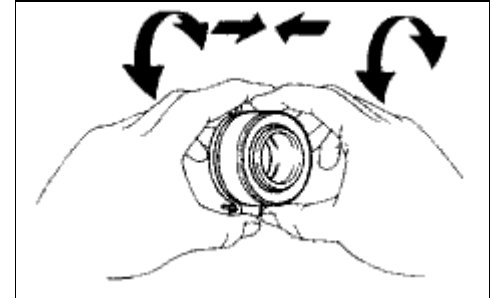
4. INSPECT CLUTCH RELEASE BEARING ASSEMBLY

- (a) Check that the bearing turns smoothly by hand by applying force in the axial direction.

If the bearing sticks or has a considerable amount of resistance, replace the clutch release bearing assembly.

HINT:

The bearing is permanently lubricated and requires no cleaning or lubrication.



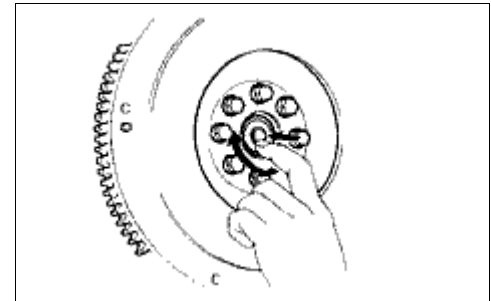
5. INSPECT INPUT SHAFT BEARING

- (a) Check that the bearing turns smoothly by hand by applying rotational force.

If the bearing sticks or has a considerable amount of resistance, replace the input shaft bearing.

HINT:

The bearing is permanently lubricated and requires no cleaning or lubrication.

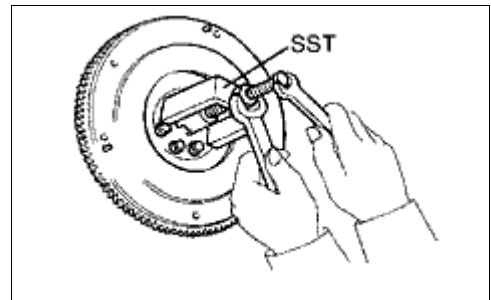


6. REPLACE INPUT SHAFT BEARING

- (a) Remove any 4 diametrically opposite bolts.

- (b) Using SST, remove the input shaft bearing.

SST: 09303-35011

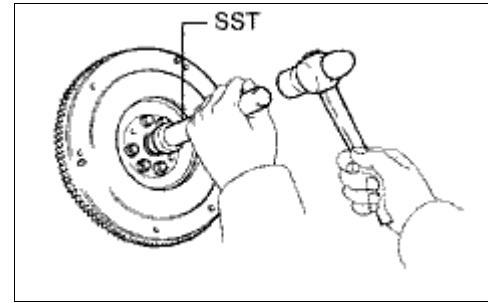


(c) Using SST and a hammer, tap in a new input shaft bearing.

SST: 09304-30012

HINT:

After installing the input shaft bearing to the crankshaft, make sure that it rotates smoothly.



(d) Install 4 new bolts.

Torque:

27 N·m {270 kgf·cm, 20ft·lbf}

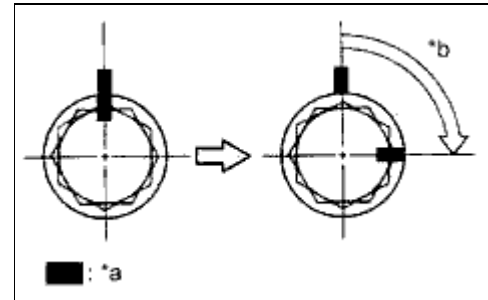
HINT:

The mounting bolts are tightened in 2 progressive steps.

(e) Mark the mounting bolts with paint.

Text in Illustration

*a	Paint Mark
*b	90°



(f) Retighten the mounting bolts by 90°.

(g) Check that the painted marks are now at a 90° angle to the original marked position.

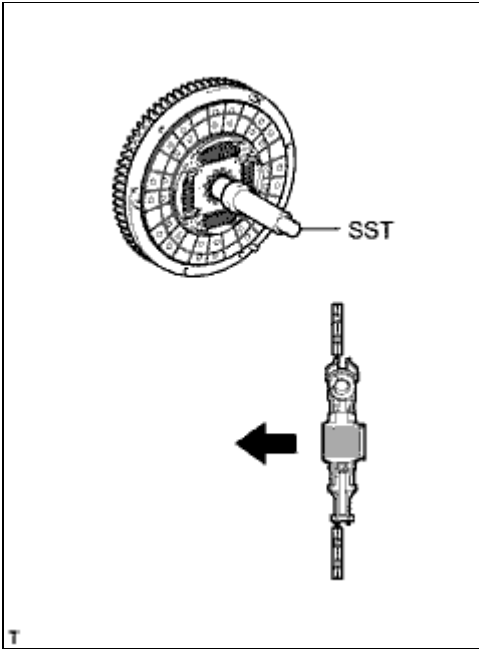


Last Modified: 11-13-2015	6.6 A	Doc ID: RM000001397038X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH UNIT (for R156F): INSTALLATION; 2016 MY Tacoma [08/2015 -]		

INSTALLATION

1. INSTALL CLUTCH DISC ASSEMBLY

- (a) Insert SST into the clutch disc assembly. Then insert SST (together with the clutch disc assembly) into the flywheel sub-assembly to install the clutch disc assembly.



Text in Illustration

	Flywheel Sub-assembly Side
---	----------------------------

SST: 09301-00110

NOTICE:

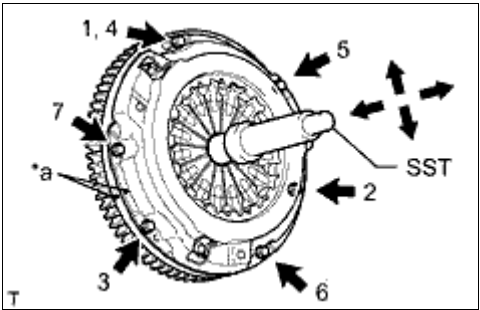
Be sure to install the clutch disc assembly so that it is facing in the correct direction.

2. INSTALL CLUTCH COVER ASSEMBLY

- (a) Align the matchmarks on the clutch cover assembly and flywheel sub-assembly.

Text in Illustration

*a	Matchmark
----	-----------



- (b) Tighten the 6 bolts uniformly in the order shown in the illustration, starting with the bolt located near the knock pin on the top.

SST: 09301-00110

Torque:

19 N·m {195 kgf·cm, 14ft·lbf}

HINT:

Move SST up and down, and right and left lightly after checking that the clutch disc assembly is in the center, and then tighten the bolts.

3. INSPECT AND ADJUST CLUTCH COVER ASSEMBLY

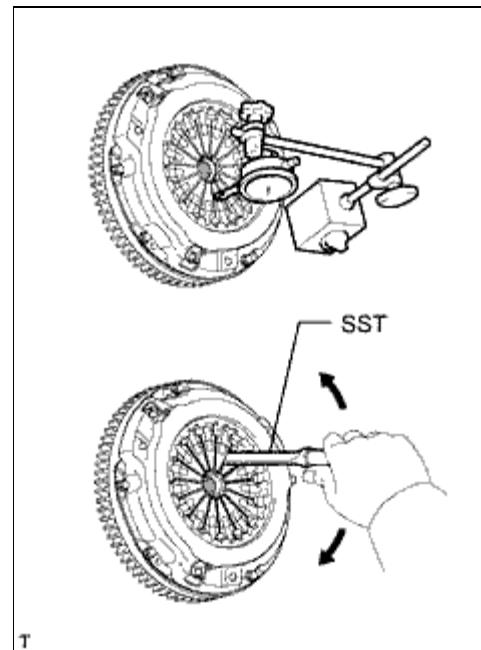
- (a) Using a dial indicator with a roller instrument, measure the diaphragm spring tip alignment.

SST: 09333-00013

Maximum non-alignment:

0.5 mm (0.0196 in.)

If the alignment is more than the maximum, use SST to adjust the diaphragm spring tip alignment.



4. INSTALL RELEASE FORK SUPPORT

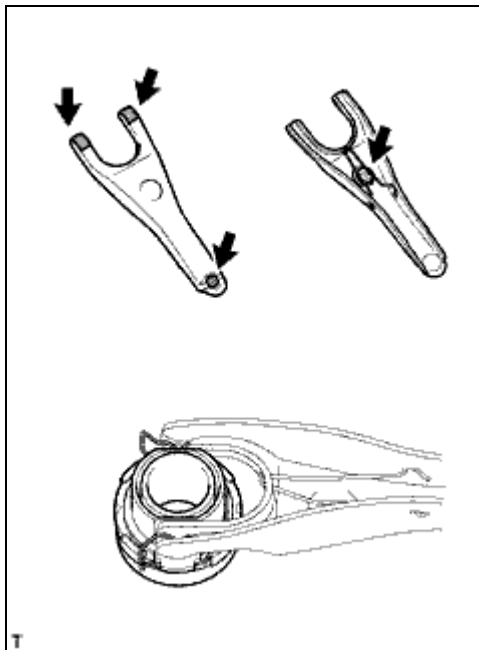
- (a) Install the release fork support to the manual transmission assembly.

Torque:

47 N·m {479 kgf·cm, 35ft·lbf}

5. INSTALL CLUTCH RELEASE BEARING ASSEMBLY

- (a) Apply release hub grease to the clutch release fork sub-assembly.



Text in Illustration

➔	Release hub grease
---	--------------------

Grease:

Toyota Genuine Release Hub Grease or equivalent

- (b) Install the clutch release bearing assembly to the clutch release fork sub-assembly with the clip.

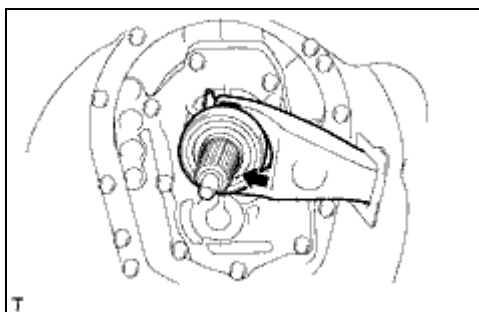
6. INSTALL CLUTCH RELEASE FORK SUB-ASSEMBLY

- (a) Install the clutch release fork sub-assembly and clutch release bearing assembly.

NOTICE:

After the installation, move the clutch release fork sub-assembly forward and backward to check that the clutch release bearing assembly slides smoothly.

- (b) Apply clutch spline grease to the spline of the input shaft.



Text in Illustration

➔	Clutch spline grease
---	----------------------

Grease:

Toyota Genuine Clutch Spline Grease or equivalent

7. INSTALL CLUTCH RELEASE FORK BOOT

- (a) Install the clutch release fork boot to the manual transmission assembly.

8. INSTALL MANUAL TRANSMISSION ASSEMBLY

INFO



Last Modified: 11-13-2015	6.6 A	Doc ID: RM000001399032X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH UNIT (for R156F): REMOVAL; 2016 MY Tacoma [08/2015 -]		

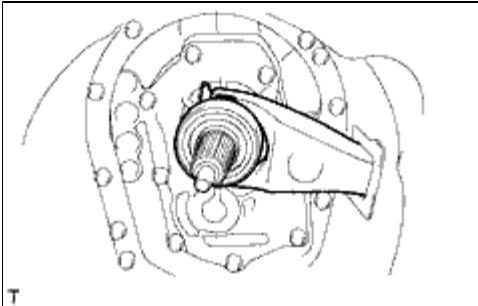
REMOVAL

1. REMOVE MANUAL TRANSMISSION ASSEMBLY

INFO

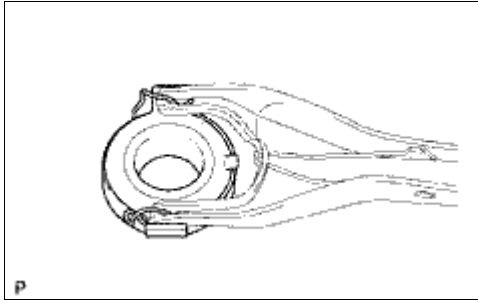
2. REMOVE CLUTCH RELEASE FORK SUB-ASSEMBLY

- (a) Remove the clutch release fork sub-assembly and clutch release bearing assembly from the clutch housing.



3. REMOVE CLUTCH RELEASE BEARING ASSEMBLY

- (a) Remove the clip and clutch release bearing assembly from the clutch release fork sub-assembly.



4. REMOVE CLUTCH RELEASE FORK BOOT

- (a) Remove the clutch release fork boot from the manual transmission assembly.

5. REMOVE RELEASE FORK SUPPORT

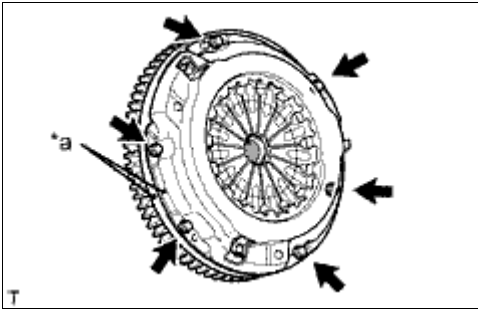
- (a) Remove the release fork support from the manual transmission assembly.

6. REMOVE CLUTCH COVER ASSEMBLY

- (a) Place matchmarks on the clutch cover assembly and flywheel sub-assembly.

Text in Illustration

*a	Matchmark
----	-----------



(b) Loosen each bolt one turn at a time until spring tension is released.

(c) Remove the 6 bolts and pull off the clutch cover assembly.

NOTICE:

Do not drop the clutch disc assembly.

7. REMOVE CLUTCH DISC ASSEMBLY

NOTICE:

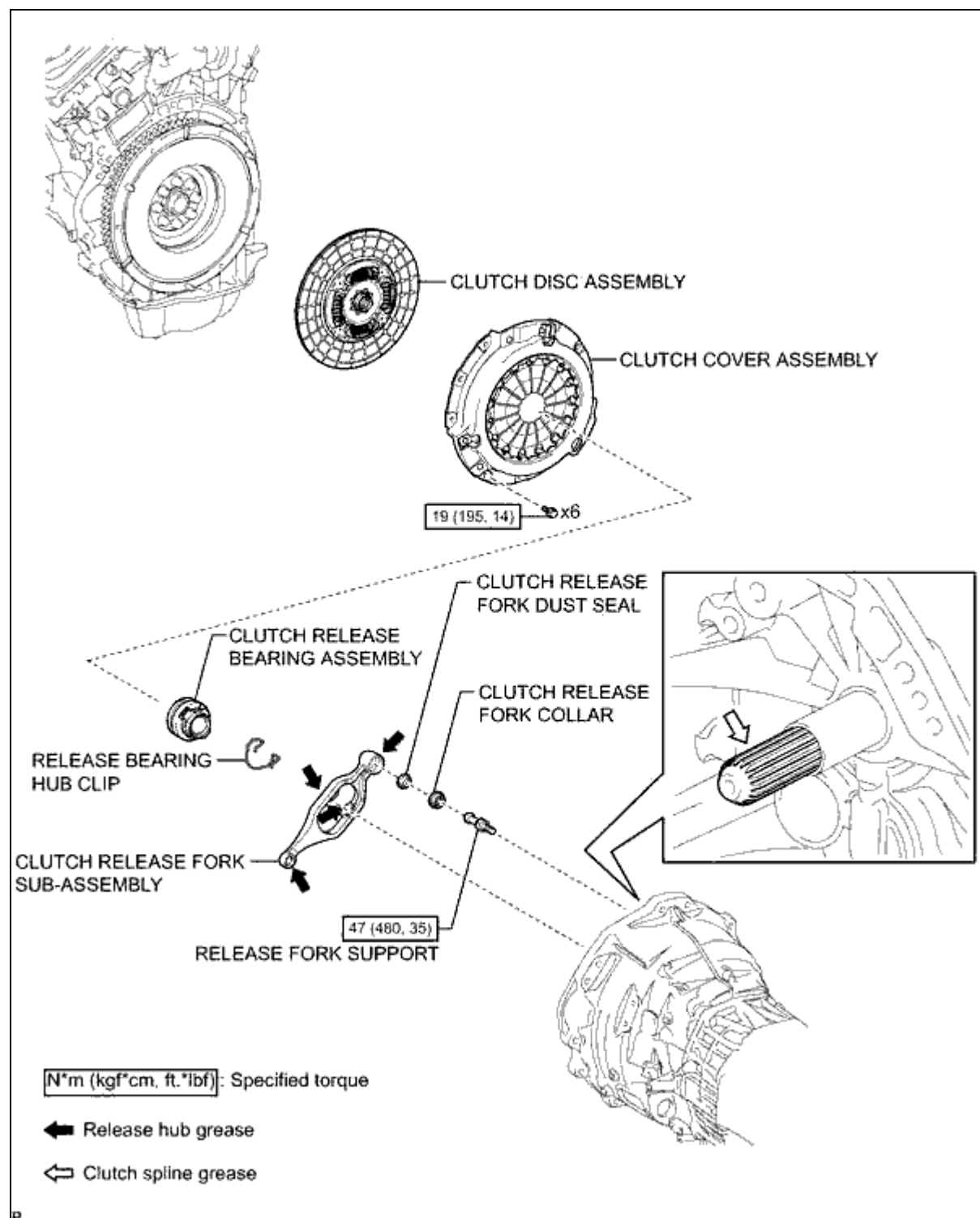
Keep the lining part of the clutch disc assembly, the pressure plate and the surface of the flywheel sub-assembly away from oil and foreign matter.



Last Modified: 11-13-2015	6.6 K	Doc ID: RM000000NEW01KX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH UNIT (for RC62F): COMPONENTS; 2016 MY Tacoma [08/2015 -]		

COMPONENTS

ILLUSTRATION



Last Modified: 11-13-2015	6.6 G	Doc ID: RM0000017E100YX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH UNIT (for RC62F): INSPECTION; 2016 MY Tacoma [08/2015 -]		

INSPECTION

1. INSPECT CLUTCH DISC ASSEMBLY

NOTICE:

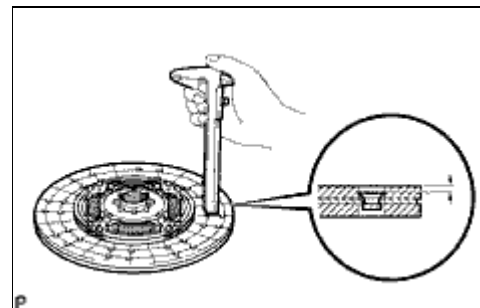
When replacing the clutch disc assembly, make sure to perform an inspection of the flywheel sub-assembly and clutch cover assembly.

- (a) Using a vernier caliper, measure the rivet depth.

Minimum rivet depth:

0.3 mm (0.0118 in.)

If the depth is less than the minimum, replace the clutch disc assembly.

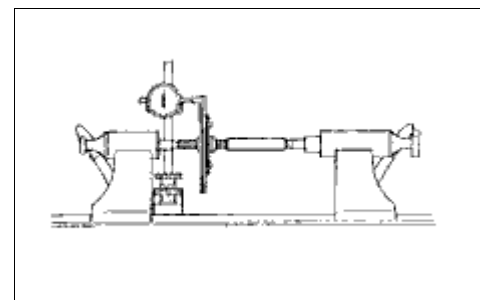


- (b) Using a dial indicator, measure the clutch disc assembly runout.

Maximum runout:

0.7 mm (0.0276 in.)

If the runout is more than the maximum, replace the clutch disc assembly.



2. INSPECT CLUTCH COVER ASSEMBLY

- (a) Using a vernier caliper, measure the depth and width of the diaphragm spring wear.

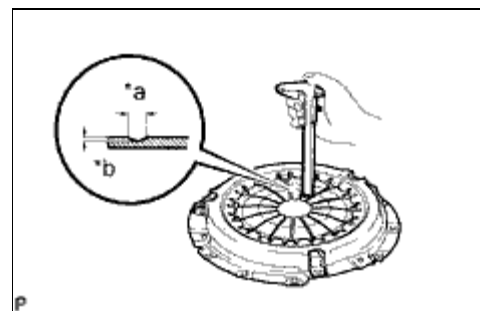
Text in Illustration

*a	Width
*b	Depth

Maximum Wear:

DEPTH	WIDTH
0.35 mm (0.0138 in.)	5.0 mm (0.197 in.)

If the depth or width is more than the maximum, replace the clutch cover assembly.



(b) Perform a visual inspection of the clutch cover assembly.

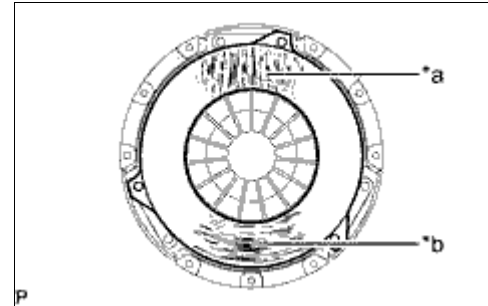
Text in Illustration

*a	Hair cracks, scratches or discoloration
*b	Hair cracks, discoloration or excessive wear

(1) Inspect for hair cracks or scratches extending from the center outwards, or discoloration.

(2) Inspect for hair cracks in a circular pattern, discoloration or excessive wear.

If there is any damage, replace the clutch cover assembly.



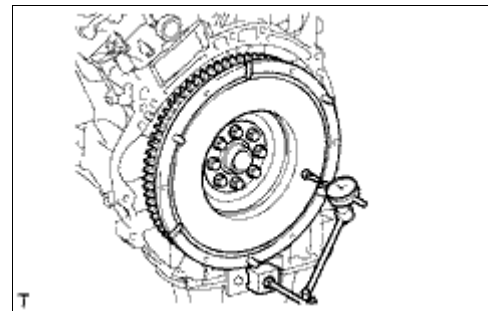
3. INSPECT FLYWHEEL SUB-ASSEMBLY

(a) Using a dial indicator, check the flywheel sub-assembly runout.

Maximum runout:

0.1 mm (0.00393 in.)

If the runout is more than the maximum, replace the flywheel sub-assembly.



(b) Perform a visual inspection of the flywheel sub-assembly.

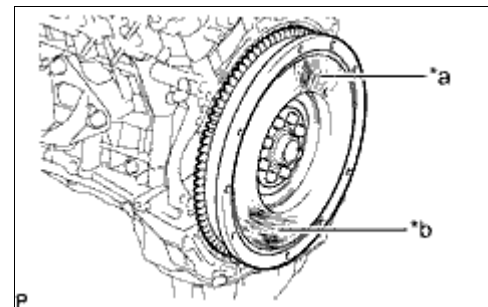
Text in Illustration

*a	Hair cracks, scratches or discoloration
*b	Hair cracks, discoloration or excessive wear

(1) Inspect for hair cracks or scratches extending from the center outwards, or discoloration.

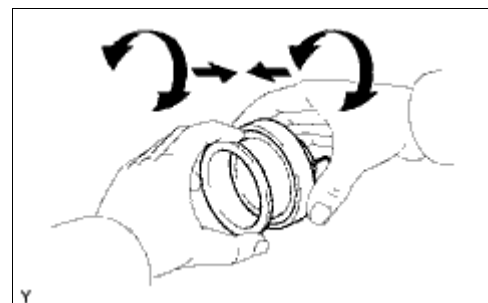
(2) Inspect for hair cracks in a circular pattern, discoloration or excessive wear.

If there is any damage, replace the flywheel sub-assembly.



4. INSPECT CLUTCH RELEASE BEARING ASSEMBLY

(a) Check that the clutch release bearing assembly moves smoothly without abnormal resistance by turning the sliding parts of the clutch release bearing assembly (contact surfaces with the clutch cover assembly) while applying force in the axial direction.



(b) Inspect the clutch release bearing assembly for damage or wear.

If necessary, replace the clutch release bearing assembly.

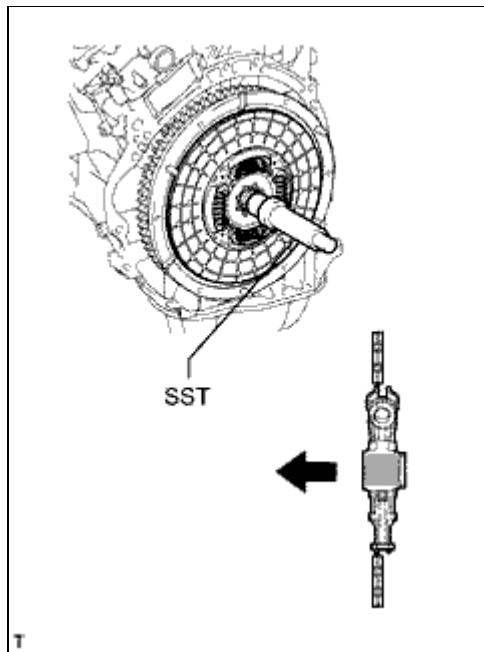


Last Modified: 11-13-2015	6.6 A	Doc ID: RM000000NEV02EX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH UNIT (for RC62F): INSTALLATION; 2016 MY Tacoma [08/2015 -]		

INSTALLATION

1. INSTALL CLUTCH DISC ASSEMBLY

- (a) Insert SST into the clutch disc assembly, and then install SST and the clutch disc assembly together to the flywheel sub-assembly.



Text in Illustration

	Flywheel Sub-assembly Side
--	----------------------------

SST: 09301-00220

NOTICE:

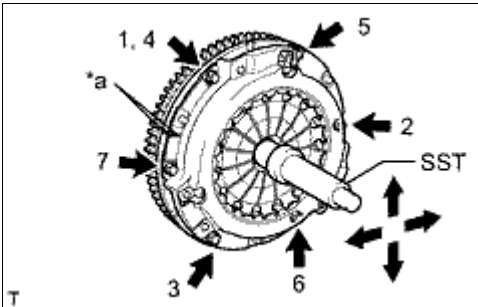
Be sure to install the clutch disc assembly so that it is facing in the correct direction.

2. INSTALL CLUTCH COVER ASSEMBLY

- (a) Align the matchmarks on the clutch cover assembly with the one on the flywheel sub-assembly.

Text in Illustration

*a	Matchmark
----	-----------



- (b) Following the order shown in the illustration, tighten the 6 bolts, starting with the bolt located near the knock pin at the top.

SST: 09301-00220

Torque:

19 N·m {195 kgf·cm, 14ft·lbf}

HINT:

- Following the order in the illustration, tighten the bolts evenly one at a time.
- Move SST up and down, and right and left lightly after checking that the clutch disc assembly is in the center, and then tighten the bolts.

3. INSPECT AND ADJUST CLUTCH COVER ASSEMBLY

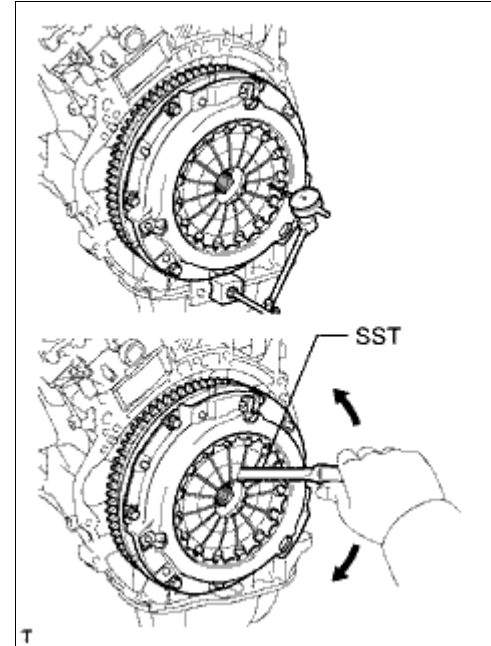
- (a) Using a dial indicator with a roller instrument, check the diaphragm spring tip alignment.

SST: 09333-00013

Maximum non-alignment:

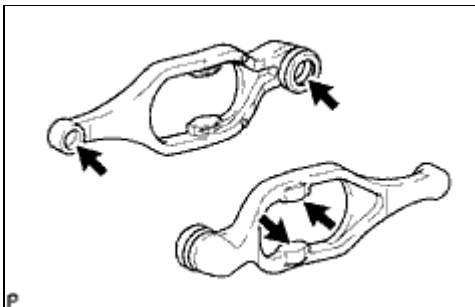
0.5 mm (0.0196 in.)

If the alignment is more than the maximum, use SST to adjust the diaphragm spring tip alignment.



4. INSTALL CLUTCH RELEASE FORK SUB-ASSEMBLY

- (a) Install the clutch release fork dust seal to the clutch release fork sub-assembly.
- (b) Install the clutch release fork collar to the clutch release fork sub-assembly.
- (c) Apply release hub grease to the clutch release fork sub-assembly, clutch release bearing assembly, push rod contact point and pivot points shown in the illustration.



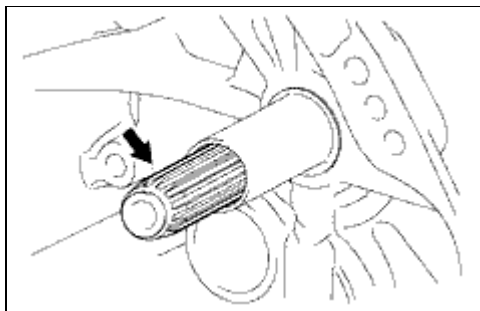
Text in Illustration

	Release hub grease
---	--------------------

Grease:

Toyota Genuine Release Hub Grease or equivalent

(d) Apply clutch spline grease to the input shaft spline.



Text in Illustration

	Clutch spline grease
---	----------------------

Grease:

Toyota Genuine Clutch Spline Grease or equivalent

(e) Install the clutch release bearing assembly to the clutch release fork sub-assembly with the clip.

(f) Install the release fork support to the manual transmission assembly.

Torque:

47 N·m {480 kgf·cm, 35ft·lbf}

(g) Install the clutch release fork sub-assembly with the clutch release bearing assembly to the manual transmission assembly.

HINT:

After installation, move the clutch release fork sub-assembly back and forth to check that the clutch release bearing assembly slides smoothly.

5. INSTALL MANUAL TRANSMISSION ASSEMBLY



Last Modified: 11-13-2015	6.6 A	Doc ID: RM000000NEX024X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: CLUTCH: CLUTCH UNIT (for RC62F): REMOVAL; 2016 MY Tacoma [08/2015 -]		

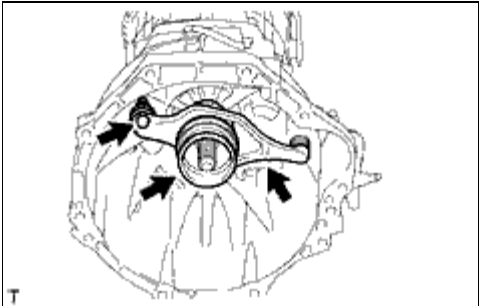
REMOVAL

1. REMOVE MANUAL TRANSMISSION ASSEMBLY

INFO

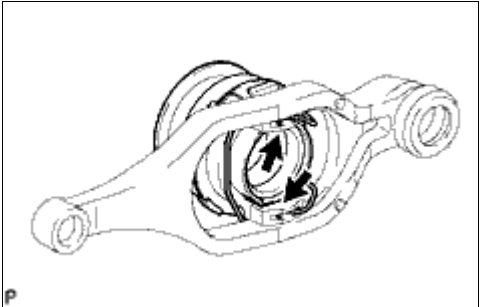
2. REMOVE CLUTCH RELEASE FORK SUB-ASSEMBLY

- (a) Remove the clutch release fork sub-assembly with the clutch release bearing assembly from the manual transmission assembly.



- (b) Remove the release fork support from the manual transmission assembly.

- (c) Remove the clip and clutch release bearing assembly from the clutch release fork sub-assembly.



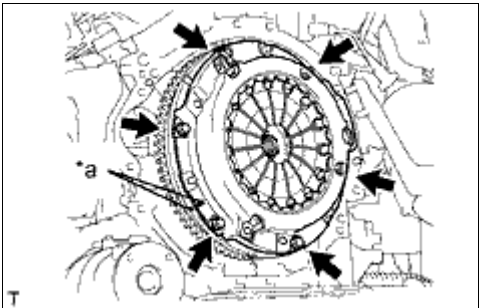
- (d) Remove the clutch release fork collar from the clutch release fork sub-assembly.
- (e) Remove the clutch release fork dust seal from the clutch release fork sub-assembly.

3. REMOVE CLUTCH COVER ASSEMBLY

- (a) Put matchmarks on the clutch cover assembly and flywheel sub-assembly.

Text in Illustration

*a	Matchmark
----	-----------



- (b) Loosen each bolt one turn at a time until spring tension is released.
- (c) Remove the 6 bolts and pull off the clutch cover assembly.

NOTICE:

Do not drop the clutch disc assembly.

4. REMOVE CLUTCH DISC ASSEMBLY**NOTICE:**

Keep the lining part of the clutch disc assembly, the pressure plate and the surface of the flywheel sub-assembly away from oil and foreign matter.

