



TOYOTA

CP-0006T-0112

Revision

Technical Service Bulletin

Subject:

Overview 5MMT P0810 and No creep & Clutch judder

Models:

AURIS; COROLLA; COROLLA VERSO; YARIS

Model codes:

NDE150; ZRE151; NDE120; NDE150; NRE150; ZRE151; ZNR11; KSP90; NLP90; SCP10; SCP90

Chassis - Powertrain

Revision

INTRODUCTION

This Technical Service Bulletin is to inform you of the repair method for the subject concern.

Reason of revision; we would like to inform "CAUTION" points to the repair method which in case not followed might trigger DTC P0810.

DESCRIPTION OF PHENOMENON

The customer may experience and report on one or both of the below symptoms;

- No creep and clutch judder
- MMT MIL ON (DTC P0810)

This TSB replaces the previous TSBs on P0810 and no creep and clutch judder.

- CP-0021T-0110-XX¹ (5MMT No creep | clutch judder)
- CP-0026T-0110-XX¹ (5MMT P0810)
- CP-0071T-1208-XX¹ (5MMT No creep | clutch judder)
- CP-5013¹ (5MMT P0810)
- CP-6003¹ (5MMT P0810)

Please note that this TSB also applies to vehicles which have had the P0810 Customer Satisfaction Campaign (CSC 9K3E-059) implemented. (Corolla NDE120 & Corolla Verso ZNR11)

PRODUCTION CHANGE

As production was stopped before a countermeasure could be implemented, this Service Bulletin is for field fix only.

For P0810 the field fix consists of **3 changes**

- Improved software for the "Computer Assy Transmission Control Unit" for certain models.
- The friction was reduced in the mechanism which (dis)engages the clutch.
- The torque of the clutch actuator motor was increased.

For **No Creep & Clutch Judder** the field fix consists of improved "Computer Assy Transmission Control Unit" software.

PARTS INFORMATION

Please confirm, using the repair instruction, what exact parts need to be replaced.

Model	Plant	Model Code	Part	Previous Part number	New Part number
Yaris	TMMF	SCP10	LHD MMT ECU	89530-52090	89530-52091 ²
			RHD MMT ECU	89530-52100	89530-52101 ²
			Disc set adj. clutch	31250-59010	31250-59625
			Actuator assy clutch	31360-52020	31360-52021
		KSP90	LHD MMT ECU	89530-52121	89530-52122

¹ XX depends on the language of the Service Bulletin.

			RHD MMT ECU	89530-52131	89530-52132
			LHD MMT ECU	89530-52220	89530-52221
			RHD MMT ECU	89530-52230	89530-52231
			Disc set adj. clutch	31250-79015	31250-79015
			Actuator assy clutch	31360-52021	31360-52021
			LHD MMT ECU	89530-52141	04009-30152 ²
		SCP90	RHD MMT ECU	89530-52151	04009-30252 ²
			Disc set adj. clutch	31250-59635	31250-59635
			Actuator assy clutch	31360-52030	31360-52030
		NLP90	LHD MMT ECU	89530-52161	04009-30352
			RHD MMT ECU	89530-52171	04009-30452
			Disc set adj. clutch	04008-36112	04000-03452
Kit clutch act. motor	04008-39112		04000-19112		

Model	Plant	Model Code	Part	Previous Part number	Part number
Corolla 120	TMUK TMMT	NDE120	LHD MMT ECU with VSC	89530-12212	89530-12213
			LHD MMT ECU without VSC	89530-12222	89530-12223
			RHD MMT ECU with VSC	89530-12232	89530-12233
			RHD MMT ECU without VSC	89530-12242	89530-12243
			Disc set adj. clutch	04008-36112	04000-03452
			Kit clutch act. motor	04008-39112	04000-19112

Model	Plant	Model Code	Part	Previous Part number	Part number
Corolla 150	TSAM	NDE150	LHD MMT ECU	89530-12311	04009-31612
			Disc set adj. clutch	04008-36112	04000-03452
			Kit clutch act. motor	04008-39112	04000-19112
		ZRE151	LHD MMT ECU	89530-12291	04009-31512
			RHD MMT ECU	89530-12301	89530-12302
			Disc set adj. clutch	31250-19095	04000-03352
	TMC	ZRE151	Kit clutch act. motor	04008-39112	04000-19112
			LHD MMT ECU	89530-12291	04009-31512
			Disc set adj. Clutch	31250-19095	04000-03352
		NDE150	Kit clutch act. Motor	04008-39112	04000-19112
			LHD MMT ECU	89530-12311	04009-31612
			Disc set adj. clutch	04008-36112	04000-03452
Kit clutch act. motor	04008-39112	04000-19112			

Model	Plant	Model Code	Part	Previous Part number	Part number
Auris	TMUK	ZRE151	RHD MMT ECU	89530-12261	04009-31212
			LHD MMT ECU	89530-12251	04009-31112
			Disc set adj. clutch	31250-19095	04000-03352
			Kit clutch act. motor	04008-39112	04000-19112
		NDE150	RHD MMT ECU	89530-12281	04009-31412
			LHD MMT ECU	89530-12271	04009-31312
			Disc set adj. clutch	04008-36112	04000-03452
	TMMT	ZRE151	Kit clutch act. motor	04008-39112	04000-19112
			RHD MMT ECU	89530-12261	04009-31212
			LHD MMT ECU	89530-12251	04009-31112
Disc set adj. clutch	31250-19095	04000-03352			

² This Computer Assy Transmission Control Unit is not affected by No Creep & Clutch Judder.

		NDE150	Kit clutch act. motor	04008-39112	04000-19112
			RHD MMT ECU	89530-12281	04009-31412
			LHD MMT ECU	89530-12271	04009-31312
			Disc set adj. clutch	04008-36112	04000-03452
			Kit clutch act. motor	04008-39112	04000-19112
	TMC	ZRE151	LHD MMT ECU	89530-12251	04009-31112
			RHD MMT ECU	89530-12261	04009-31212
			Disc set adj. clutch	31250-19095	04000-03352
			Kit clutch act. motor	04008-39112	04000-19112
		NDE150	LHD MMT ECU	89530-12271	04009-31312
			RHD MMT ECU	89530-12281	04009-31412
			Disc set adj. clutch	04008-36112	04000-03452
			Kit clutch act. motor	04008-39112	04000-19112

Model	Plant	Model Code	Part	Previous Part number	Part number
Corolla Verso	TMMT	ZNR11	LHD MMT ECU	89530-64030	89530-64031 ²
			RHD MMT ECU	89530-64040	89530-64041 ²
			Disc set adj. clutch	04008-36264	04000-03252
			Kit clutch act. motor	04008-39112	04000-19112

REPAIR PROCEDURE

In order to determine what parts need to be replaced on the vehicle, you need to answer the below 3 questions.

	YES	NO
Does the vehicle have no creep and/or clutch judder? ³ (not applicable for SCP10, SCP90 & ZNR11)		
Does the vehicle have DTC P0810? ⁴		
Is the vehicle equipped with the "Computer Assy Transmission Control" which contains the minimum required software for P0810? ⁵		

Depending on the combination of the answers on the above 3 questions you will have to replace a single part or a combination of parts. Consult the below decision table in order to determine which parts to replace

³ On a level road, when putting the vehicle in first gear and brakes released, does the vehicle remain motionless? If so the vehicle has no creep. If the vehicle remains motionless, then push the accelerator pedal, does the vehicle have clutch judder?

⁴ Is DTC P0810 present in the memory of the control unit?

⁵ Below you can see how to determine the production date of the Computer Assy Transmission Control Unit through the LOT number. Please note that the Computer Assy Transmission Control Unit was at different times depending on the Model and Model code of the vehicle. Some Models and Model Codes were changed since the start of production

Diagnostic Result			Replacement Parts		
No creep and clutch judder	P0810	Minimum required software level for P0810 ⁶	Kit Clutch Motor (Actuator assy for Yaris SCP10, SCP90 KSP90)	Disc Set Adjustable Clutch	Computer Assy Transmission Control Unit ⁷
YES	YES	YES	Replace	Replace	Replace
YES	NO	YES			Replace
NO	YES	YES	Replace	Replace	
YES	YES	NO	Replace	Replace	Replace
YES	NO	NO			Replace
NO	YES	NO	Replace	Replace	Replace

Once you have determined the replacement parts, replace them according to the Repair Manual.

Computer Assy Transmission Control Unit Identification Method

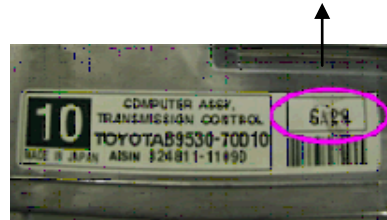
Lot number (4K09)

4 =year (4 : 2004)

K =month (A : Jan...B : Feb...K : Nov)

09=day

Lot number



Yaris	TMMF	SCP10	5F07
		SCP90	Since SOP (Start Of Production)
		KSP90	Since SOP
		NLP90	Since SOP
Corolla	TMMT/TMUK	NDE120	4K12
Auris	TMUK	ZRE151	Since SOP
		NDE150	Since SOP
Auris	TMMT	ZRE151	Since SOP
		NDE150	Since SOP
Auris	TMC	ZRE151	Since SOP
		NDE150	Since SOP
Corolla	TMC	ZRE151	Since SOP
		NDE150	Since SOP
Corolla	TSAM	ZRE151	Since SOP
		NDE150	Since SOP
Corolla Verso	TMMT	ZNR11	4J11

CAUTION

Do not initialize the MMT ECU without parts replacement to avoid ECU clutch learning value parameters are not in line with clutch cover adjustment.

⁶ The “Computer Assy Transmission Control Unit” contains the latest software for P0810 only.

⁷ The field fix Computer Assy Transmission Control Units contain both the latest software for P0810 and No Creep & Clutch Judder with the exception of Yaris SCP10, & SCP90 & Corolla Verso ZNR11 which only have the latest software for P0810. Please see the next page for the identification method.

Otherwise this might trigger DTC P0810.

Repair procedure

NOTE:

To avoid that P0810 is triggered again, it is important that you follow all steps of this TSB. Take special care for following steps:

Step 1: Release preload from clutch diaphragm.

Step 4: Replace clutch disk assembly with correct diaphragm spring tip alignment (<0.5 mm).

Step 7: (Re)install clutch actuator without clearance between the clutch release fork and rod nut.

1. Work procedure

Step 1: Release preload from clutch diaphragm. (in repair manual referred as clamp position adjustment or clutch position adjustment)

CAUTION

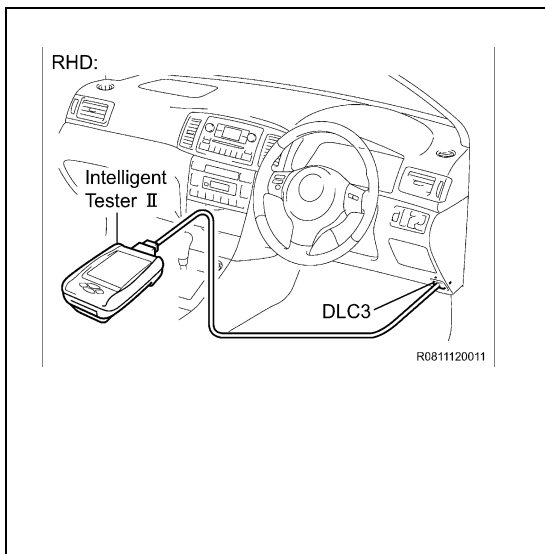
Clamp position adjustment is essential to keep the clutch cover adjust mechanism to work correctly. If the adjust system can not move correctly, clutch cover load will increase. This might then trigger DTC P0810.

HINT:

If the clutch position adjustment operation input failed, perform operation a) again after switching IG off for at least 15 seconds.

NOTE:

Do not depress the brake pedal as this might operate the clutch actuator!!



a) Prepare the vehicle:

- Apply the parking brake.
- Shift the lever into the "N" position.
- Turn the ignition switch off.
- Stop the vehicle.

b) Connect the intelligent tester II or GTS to the DLC3.

c) Turn the ignition switch on IG.

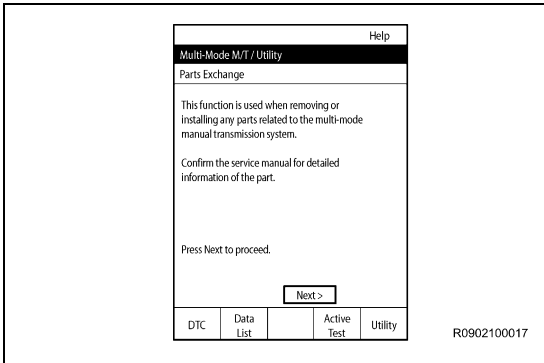
d) Turn the scan tool on

e) Select Power train/Multimode M/T/ "Utility" then "Parts Exchange".

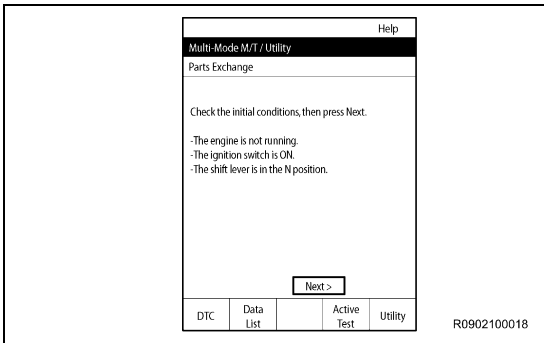


HINT:

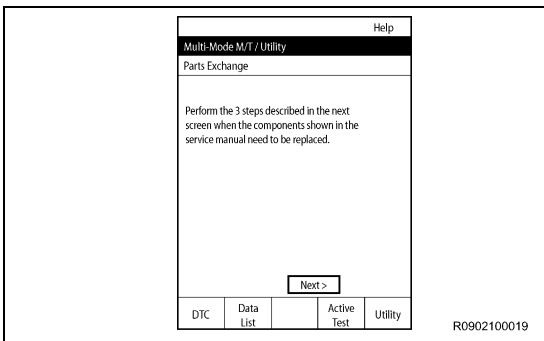
Functionality of IT2 and GTS is slightly different. Refer to the Operation Manual in case of doubt.



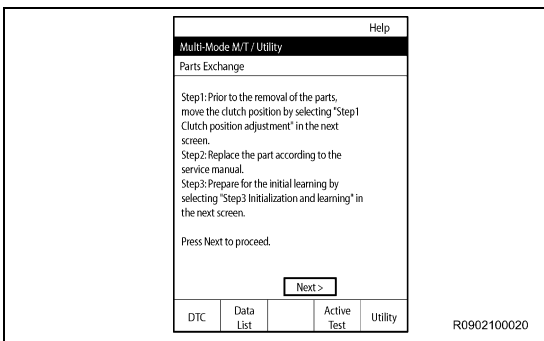
- f) Read information
- g) Press the “Next” key.



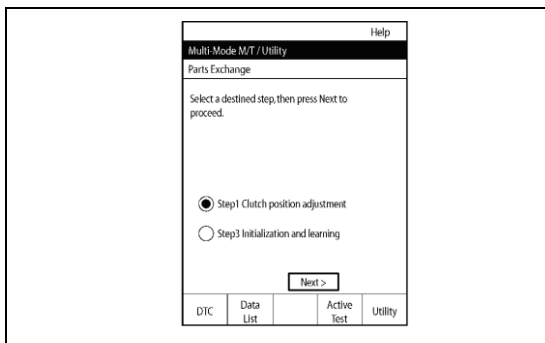
- h) Read information
- i) After checking the vehicle condition, press the “Next” key.



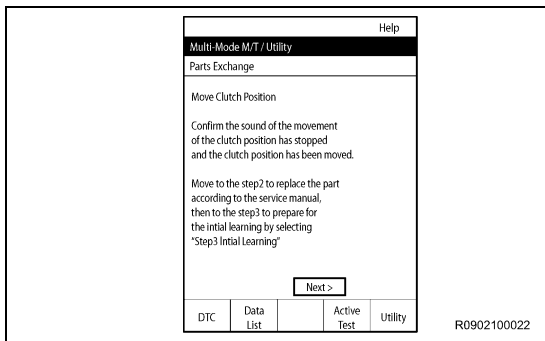
- j) Read information
- k) Press the “Next” key.



- l) Read information
- m) Press the “Next” key.

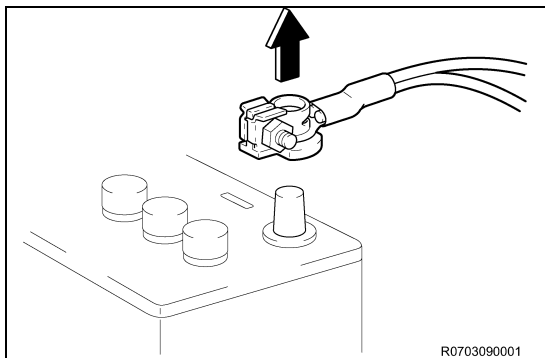


- n) On the “Multi-Mode M/T / Utility” screen, select “Step 1 Clutch Position Adjustment”.
- o) Press the “Next” key.



- p) Read the information
- q) Press the “Next” key.
- r) Complete “Clutch Position Adjustment”.
- s) Turn the main switch of the intelligent tester II or GTS off.
- t) Turn the ignition switch off.
- u) Replace the parts.

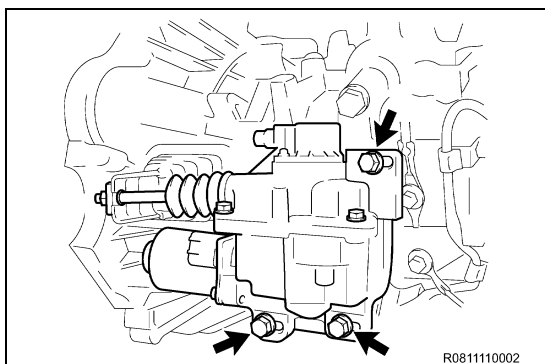
Step 2: Remove clutch actuator



1. DISCONNECT THE BATTERY NEGATIVE TERMINAL

NOTE:

Wait 90 seconds after the negative (-) terminal cable is disconnected from the battery before starting. This is to prevent the SRS from being deployed (i.e. airbag, seat belt pretensioner, etc.).



2. REMOVE THE CLUTCH ACTUATOR ASSEMBLY ACCORDING TO THE REPAIR MANUAL

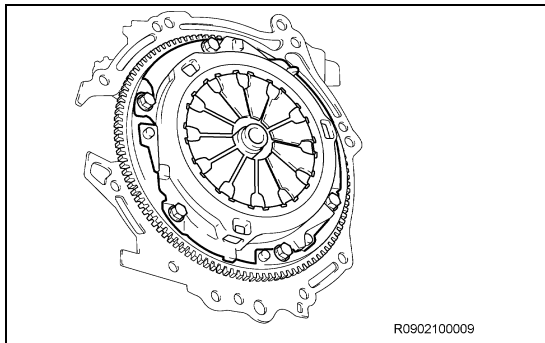
NOTES:

- Do not forcibly pull the connector as this may damage the wire harness.
- Do not drop the removed clutch actuator assembly or impact it in any way.
- Do not loosen the nut on the rod tip.

Step 3: Remove transmission

Remove the transmission according to the procedure in the Repair Manual

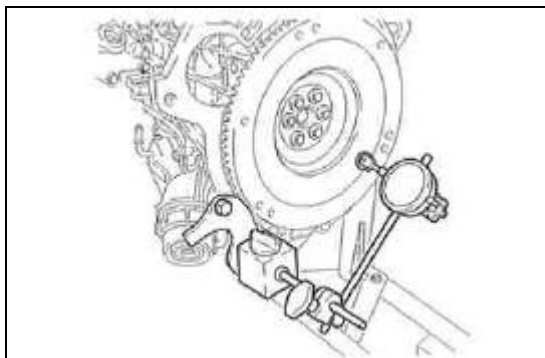
Step 4: Replace clutch disc assembly and reinstall



1. REMOVE THE CLUTCH COVER ASSEMBLY ACCORDING TO THE REPAIR MANUAL

NOTE:

Do not drop the clutch disc assembly.



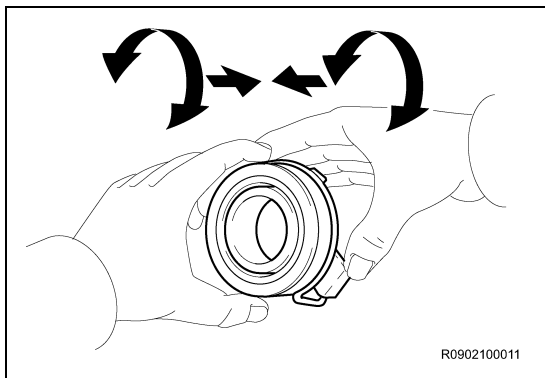
2. INSPECT THE FLYWHEEL SUB-ASSEMBLY

- a) Using a dial indicator, inspect the flywheel sub-assembly run out.

Maximum run out: 0.1 mm(0.004in)

HINT:

Replace the flywheel sub-assembly as necessary.

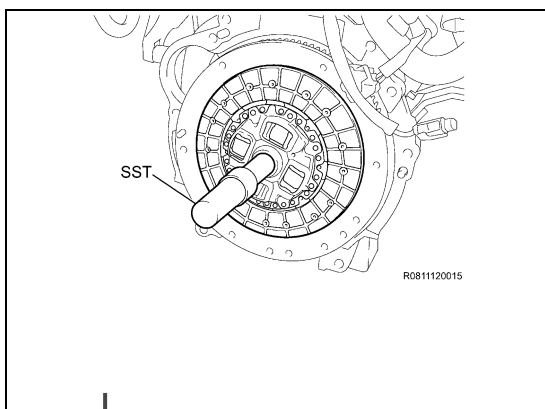


3. INSPECT THE CLUTCH RELEASE BEARING ASSEMBLY

- 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) while applying force in the axial direction.
- b) Inspect the clutch release bearing assembly for damage or wear.

HINT:

Replace the clutch release bearing assembly as necessary



4. INSTALL THE CLUTCH DISC

- a) Insert SST in the new clutch disc; insert them in the flywheel.

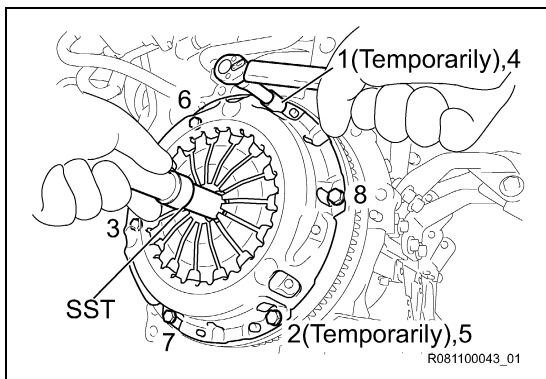
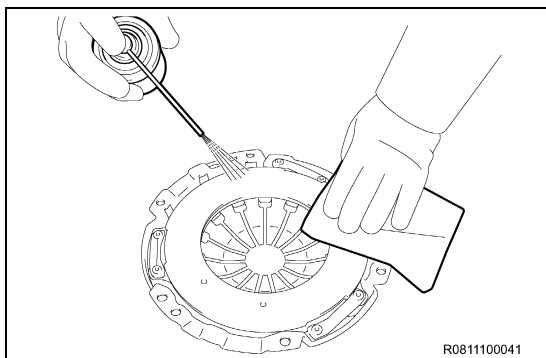
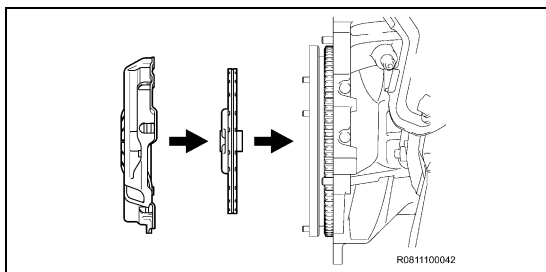
SST SCP10 ; 09301-00131

NDE120; 09301-00220

Other ; 09301-00210

NOTE:

Take care not to insert the clutch disc in the wrong direction.



5. INSTALL THE CLUTCH COVER

- a) Degrease the contacting areas of the new clutch cover with the clutch disc with brake cleaner.

- b) Following the procedures shown in the illustration, tighten the 6 bolts, in the order starting from the bolt located near the knock pin on the top.

Torque Specification:

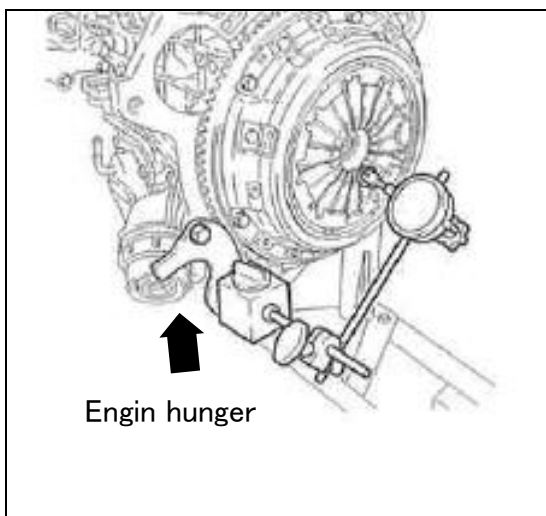
19 N·m (194 kgf·cm, 14 ft·lbf)

HINT:

- Evenly tighten the bolts by following the order shown in the illustration.
- Tighten the bolts after checking that the disc is in the center by lightly moving the SST up and down, left and right.

CAUTION

Incorrect clutch cover tightening order might trigger DTC P0810.



6. INSPECT AND ADJUST CLUTCH COVER

- a) Using an Engine Hanger, Fix the dial indicator.
Parts number ; 12282-67030
- b) Using a dial indicator with a roller instrument, check the diaphragm spring tip alignment.

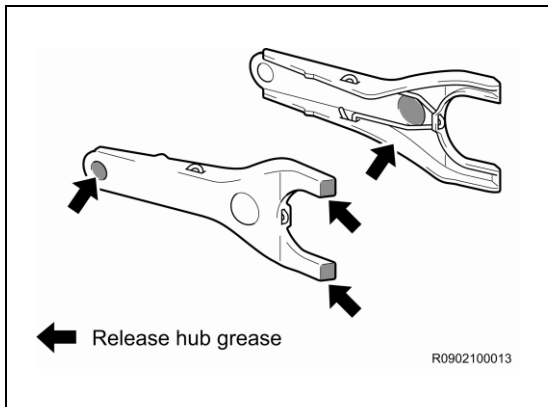
Maximum non-alignment: 0.5 mm (0.020 in.)

If the alignment is not as specified, adjust the diaphragm spring tip alignment using SST.

SST 09333-00013

[Click here to see a video explaining the alignment procedure](#)

CAUTION
Incorrect diaphragm spring tip alignment might trigger DTC P0810.

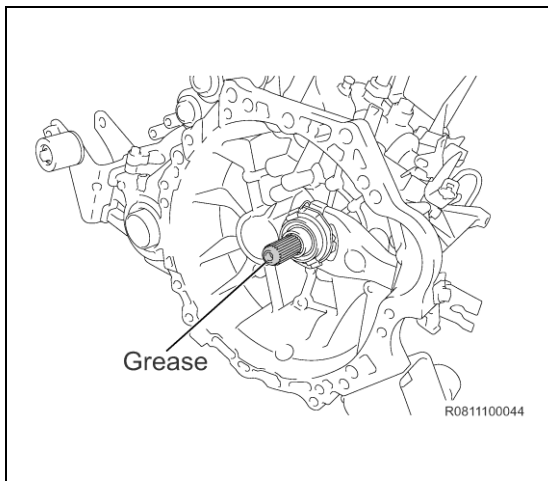


7. INSTALL THE CLUTCH RELEASE FORK SUB-ASSEMBLY

- a) Apply release hub grease to the contact surfaces of, the release fork and release bearing assembly, release fork and push rod, and release fork and fork support.

Sealant:
CLUTCH GREASE R-H-G (PZ455-0C0D1-90), or equivalent

- b) Install the release fork to the release bearing assembly.
- c) Install the release bearing hub clip.



8. INSTALL THE CLUTCH RELEASE BEARING ASSEMBLY

- a) Apply clutch spline grease to the input shaft spline.

Do NOT apply any grease to the release bearing shaft

Grease:
CLUTCH GREASE SPLINE G 90g (PZ455-0C0D0-90), or equivalent

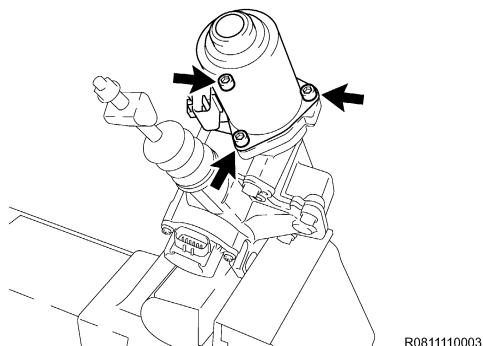
- b) Install the clutch release bearing w/ release fork to the transaxle assembly.

NOTE:
 After installation, move the fork forward and backward to check that the release bearing slides smoothly.

Step 5: Reinstall transmission

Install transmission according the procedure in the Repair Manual

Step 6: Replace motor on clutch actuator (Not for Yaris)



3. REMOVE THE CLUTCH ACTUATOR MOTOR
 (Only for NLP90,NDE120,NDE150,ZRE151 and ZNR11)
 (For SCP10,SCP90 and KSP90 go to step 7)

- a) Secure the clutch actuator assembly in a vise with aluminum plate.

NOTE;
 Do not over tighten.

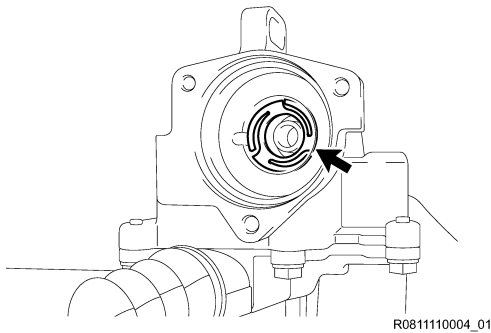
- b) Mark the location of the clutch actuator motor to avoid mis-orientation of the new motor.

- c) Using a long socket hexagon wrench 5mm remove the 3 bolts and then remove the clutch actuator motor from the clutch actuator assembly.

NOTE:

Be careful that the edges of the motor shaft do not damage the clutch actuator's O-ring seal.

- d) Remove the wave washer.



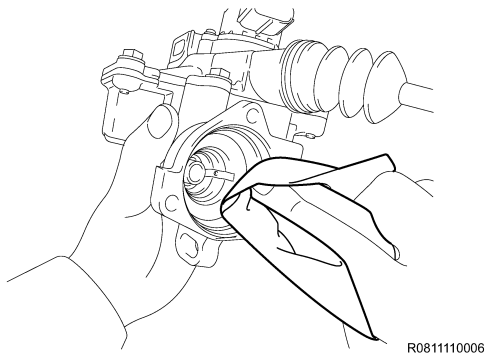
4. CLEAN THE CLUTCH ACTUATOR ASSEMBLY

(Only for NLP90,NDE120,NDE150,ZRE151 and ZNR11)

- a) Wipe away any motor debris on the O-ring seal with a cloth or a paper towel.

NOTE:

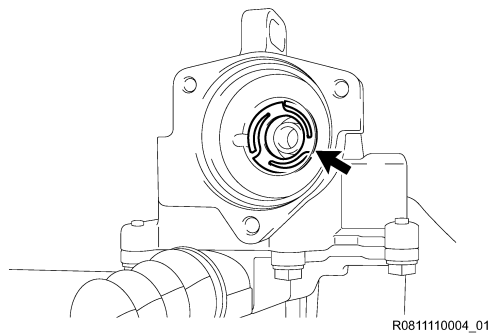
It is okay for some debris to remain on parts other than the O-ring seal.



5. INSTALL THE CLUTCH ACTUATOR MOTOR

(Only for NLP90,NDE120,NDE150,ZRE151 and ZNR11)

- a) Install the wave washer as illustrated.

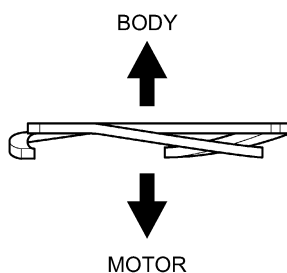


CAUTION

**Do not use oil, grease or cleaner.
Do not disassemble the Actuator mechanism and add or replace grease.
This might trigger P0810.**

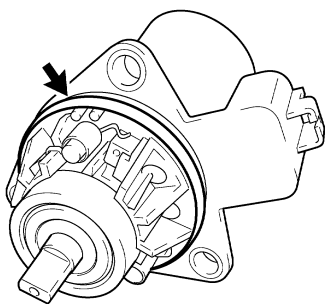
NOTE:

Verify the facing of the wave washer when installing.



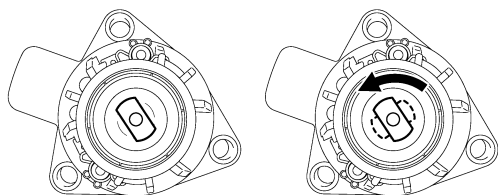
R08111100005

b) Install the NEW O-ring to the NEW clutch actuator motor.



R0811110007

c) Align the positioning of the NEW motor shaft's end tip with the removed motor shaft.



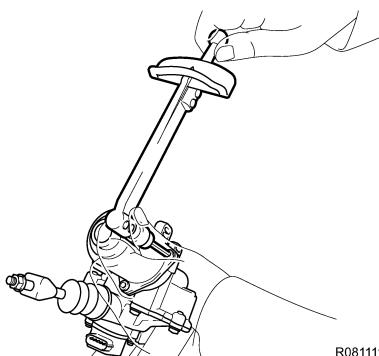
Removed motor

NEW motor

R0811110009_01

- d) Correctly position the new motor.
- e) Fully insert the clutch actuator motor into the clutch actuator leaving no gaps.
- f) Using a long socket hexagon wrench 5mm install the clutch actuator motor with the 3 bolts.

Torque Specification:
4.4 N·m (45 kgf·cm, 39 in·lbf)



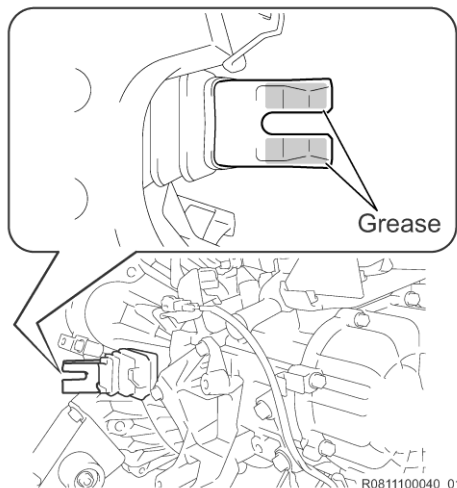
R0811110010a

Step 7: (Re)install clutch actuator or install new clutch actuator

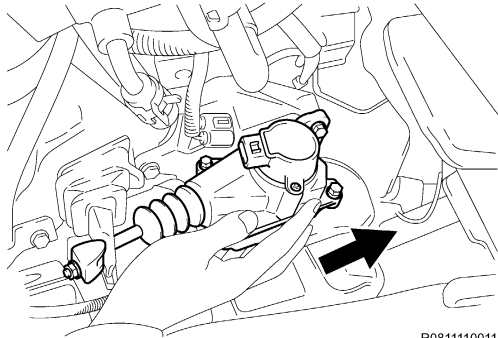
6. INSTALL THE CLUTCH ACTUATOR ASSEMBLY

a) Apply grease to the shaded area of the release fork.

Lubricant:
CLUTCH GREASE R-H-G (PZ455-0C0D1-90), or equivalent



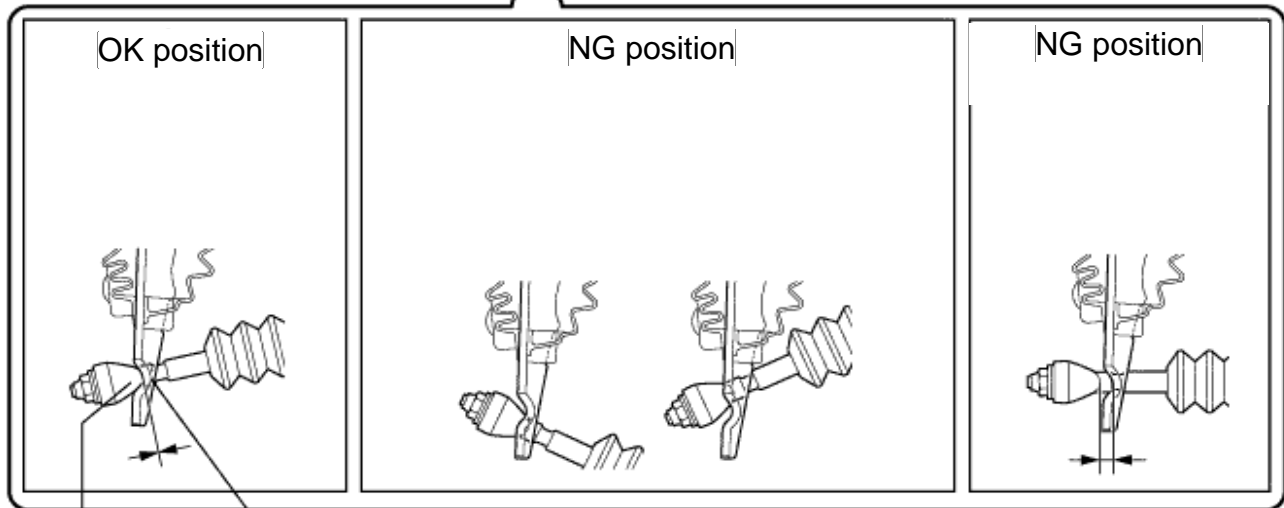
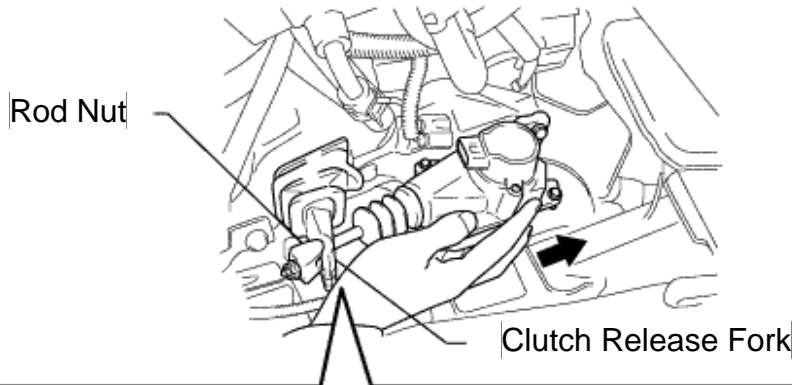
R0811100040_01



R0811110011

- b) Set the Clutch actuator to the clutch actuator bracket and provisionally tighten the 3 bolts.
- c) Move the clutch actuator through the bolt hole in the direction indicated by the arrow in the illustration.
- d) Check that the clutch release fork moves smoothly in the direction indicated by the arrow in the illustration.
- e) Move the clutch actuator through the bolt hole in the direction indicated by the arrow in the illustration until the clutch actuator rod nut end (release fork side) comes into contact with the groove in the clutch release fork.

HINT:



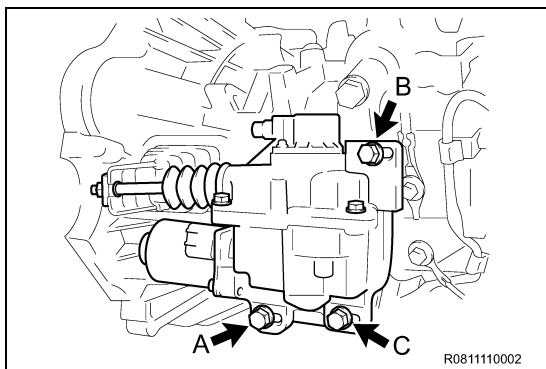
There is no clearance between the clutch release fork and rod nut.

The rod nut end (release fork side) is not fully inserted into the groove in the clutch release fork

There is clearance between the clutch release fork and rod nut.

CAUTION

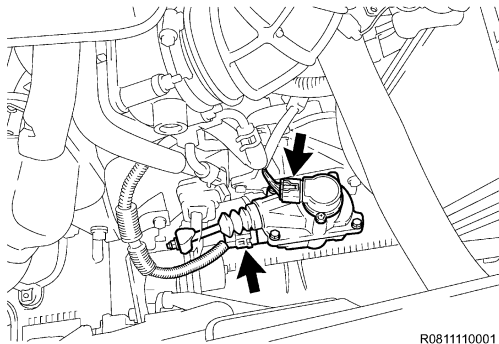
Incorrect positioning of the Clutch actuator assembly might trigger DTC P0810.



- f) Tighten the 3 bolts by hand while holding the clutch actuator assembly.
- g) Tighten the 3 bolts to the specified torque in the order of A, B, and C.
Torque Specification: 17 N·m (173 kgf·cm, 13 ft·lbf)

NOTICE;

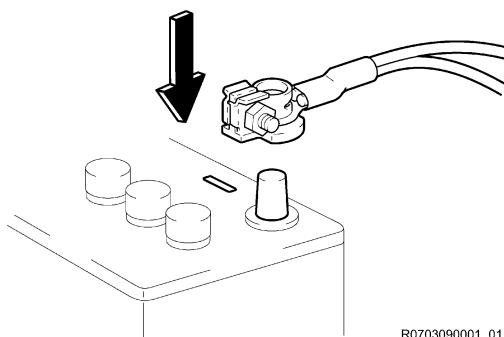
- Support the clutch actuator assembly until all 3 bolts are tightened.



- h) Connect the clutch stroke sensor connector and motor connector.

Step 8: Replace ECU (if required)

Replace ECU according procedure in Repair Manual

Step 9: Initialisation**CONNECT THE BATTERY NEGATIVE TERMINAL**

- a) Prepare the vehicle :
 - Stop the vehicle.
 - Apply the parking brake.
 - Move the shift lever to N.
 - Turn the ignition switch off.
- b) Connect the intelligent tester or GTS to the DLC3.
- c) Turn the ignition switch to ON (IG).
- d) Turn the tester on.
- e) Check for DTCs. If any, write down and erase.
- f) Enter the following menus: Power train / Multi-Mode M/T / Utility / Initialization.
- g) Press the Next key.
- h) Read the information.

- i) After checking the vehicle condition, press the Next key. Select "initialization of clutch.
- j) Press the Next key.
- k) Read the information.
- l) Press the Next key after turning the ignition switch off.
- m) Wait 20 seconds.
- n) Read the information.
- o) Press the Next key after turning the ignition switch to ON.
- p) Wait 50 seconds.
- q) Press the Exit key.
- r) Turn the intelligent tester or GTS off and turn the ignition switch off.
- s) Wait at least 15 seconds.
- t) Turn the ignition switch to ON.
- u) Depress the brake pedal with the shift lever is in N.
- v) Start the engine and wait at least 10 seconds.

HINT:

The shift N position indicator blinks when the engine starts.

- w) Shift the gear from neutral to any other position.
- x) This completes the Initialization and Learning process.

HINT:

- If the Initialization and Learning operations fail, perform the operations again from step more than 15 seconds after turning the ignition switch off.
- When the gear is shifted from neutral to any other position at the last step, the TCM learns the standby point. At this time, the value of Learn-Clutch Standby Point in the Data List changes from [Notexec] to [Exec].

WARRANTY INFORMATION

For the warranty application, please refer to warranty policy and procedures manual.

1. In case the 5MMT TCM, Kit Clutch Actuator Motor and Disc Set Adjustable Clutch need to be replaced

Model	Model Code	OP code	Operation	Time	OFF	T1	T2
Yaris	SCP10	337511	Clutch actuator assy R&R	0.5	31360-*****	27	74
		311021	Clutch disc assy for MMT	4.3			
		337511Z	Comb MMT ECU	0.3			
		801013	IT II or GTS Inspection	0.2			
	KSP90 SCP90	337511	Clutch actuator assy R&R	0.4	31360-*****	27	74
		311021W	Clutch disc assy for MMT	4.9			
		337511Z	Comb MMT ECU	0.3			
		801013	IT II or GTS Inspection	0.2			
	NLP90	311021W	Clutch disc assy for MMT	4.9	31360-*****	27	74
		311021Z	Replace clutch release fork support	0.1			
		311021Z	Replace clutch actuator Motor	0.8			
		311021Z	Combination MMT ECU	0.2			
801013		IT II or GTS Inspection	0.2				

Model	Model Code	OP code	Operation	Time	OFF	T1	T2
Corolla 120	NDE120	311021	Clutch disc assy	5.1	31360-*****	27	74
		311021M	Comb: Multi Mode Manual Transmission	0.3			
		311021Z	Replace clutch release fork support	0.1			
		311021Z	Replace clutch actuator Motor	0.7			
		311021Z	Combination MMT ECU	0.2			
		801013	IT II or GTS Inspection	0.2			

Model	Model Code	OP code	Operation	Time	OFF	T1	T2
Auris Corolla 150	ZRE151 NDE150	311021W	Clutch disc assy for multi mode transmission	4.7	31360-*****	27	74
		311021Z	Replace clutch release fork support	0.1			
		311021Z	Replace clutch actuator Motor	0.5			
		311021Z	Combination MMT ECU	0.2			
		801013	IT II or GTS Inspection	0.2			

Model	Model Code	OP code	Operation	Time	OFF	T1	T2
Corolla Verso	ZNR11	311021	Clutch disc assy for multi mode transmission	5.9	31360-*****	27	74
		311021Z	Replace clutch release fork support	0.1			
		311021Z	Replace clutch actuator Motor	0.7			
		311021Z	Combination MMT ECU	0.3			
		801013	IT II or GTS Inspection	0.2			

2. In case only the 5MMT TCM needs to be replaced.

Model	Model Code	OP code	Operation	Time	OFFP	T1	T2
Yaris	SCP10 KSP90 SCP90 NLP90	33799	Replace TCM	1.0	89530-*****	2A	74
		801013	IT II or GTS Inspection	0.2			

Model	Model Code	OP code	Operation	Time	OFFP	T1	T2
Corolla 120	NDE120	33799	Replace TCM	0.3	89530-*****	2A	74
		801013	IT II or GTS Inspection	0.2			

Model	Model Code	OP code	Operation	Time	OFFP	T1	T2
Auris Corolla 150	ZRE151 NDE150	33799	Replace TCM	0.3	89530-*****	2A	74
		801013	IT II or GTS Inspection	0.2			

Model	Model Code	OP code	Operation	Time	OFFP	T1	T2
Corolla Verso	ZNR11	33799	Replace TCM	0.3	89530-*****	2A	74
		801013	IT II or GTS Inspection	0.2			

3. In case only the Kit Clutch Actuator and Disc Set Adjustable Clutch need to be replaced.

Model	Model Code	OP code	Operation	Time	OFF	T1	T2
Yaris	SCP10	337511	Clutch actuator assy R&R	0.5	31360-*****	30	83
		311021	Clutch disc assy for MMT	4.3			
		801013	IT II or GTS Inspection	0.2			
	KSP90 SCP90	337511	Clutch actuator assy R&R	0.4			
		311021W	Clutch disc assy for MMT	4.9			
		801013	IT II or GTS Inspection	0.2			
	NLP90	311021W	Clutch disc assy for MMT	4.9	31360-*****		
		311021Z	Replace clutch release fork support	0.1			
		311021Z	Replace clutch actuator Motor	0.8			
		801013	IT II or GTS Inspection	0.2			

Model	Model Code	OP code	Operation	Time	OFF	T1	T2
Corolla 120	NDE120	311021	Clutch disc assy	5.1	31360-*****	30	83
		311021M	Comb: Multi Mode Manual Transmission	0.3			
		311021Z	Replace clutch release fork support	0.1			
		311021Z	Replace clutch actuator Motor	0.7			
		801013	IT II or GTS Inspection	0.2			

Model	Model Code	OP code	Operation	Time	OFF	T1	T2
Auris Corolla 150	ZRE151 NDE150	311021W	Clutch disc assy for multi mode transmission	4.7	31360-*****	30	83
		311021Z	Replace clutch release fork support	0.1			
		311021Z	Replace clutch actuator Motor	0.5			
		801013	IT II or GTS Inspection	0.2			

Model	Model Code	OP code	Operation	Time	OFF	T1	T2
Corolla Verso	ZNR11	311021	Clutch disc assy for multi mode transmission	5.9	31360-*****	30	83
		311021Z	Replace clutch release fork support	0.1			
		311021Z	Replace clutch actuator Motor	0.7			
		801013	IT II or GTS Inspection	0.2			

NOTES;

The usage of 33799 or 337511Z/311021Z requires the mandatory CCR (Condition, Cause, Remedy) comments in the warranty claim for further technical detailed analysis. Failure to comply with this requirement could lead to claim rejection.