SERVICE TRAINING AND PUBLICATION BULLETIN

No.: OB- 9805
010
Date : 2020/3/30

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.: **RM26T9E** Pub. Name: **HIACE Repair Manual**

Section	Title	Paragraph
SERVICE SPECIFICATIONS	AC60E AUTOMATIC TRANSMISSION	TORQUE SPECIFICATIONS (201908-)
1TR-FE ENGINE MECHANICAL	ENGINE ASSEMBLY	COMPONENTS (201501-202005)
AC60E AUTOMATIC TRANSMISSION	AUTOMATIC TRANSMISSION ASSEMBLY (for 1TR-FE)	COMPONENTS (201908-)
		INSTALLATION (201908-202005)

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

SERVICE SPECIFICATIONS – AC60E AUTOMATIC TRANSMISSION

SS

Part Tightened		N*m	kgf*cm	ft.*lbf
Oil cooler tube x Automatic transmission assembly	With 17 mm union nut wrench	29	297	21
	Without 17 mm union nut wrench	34	347	25
Fuel tank guard x Body		20	204	15
Drive plate and torque converter assembly setting bolt x Torque converter assembly	for Type A	41	418	30
	for Type B	48	489	35
No. 1 transmission control cable bracket x Automatic transmission assembly		14	143	10
Transmission control shift cable assembly x Transmission control shaft lever LH		15	148	11
No. 1 engine under cover x Body		13	133	10

[Corrected]

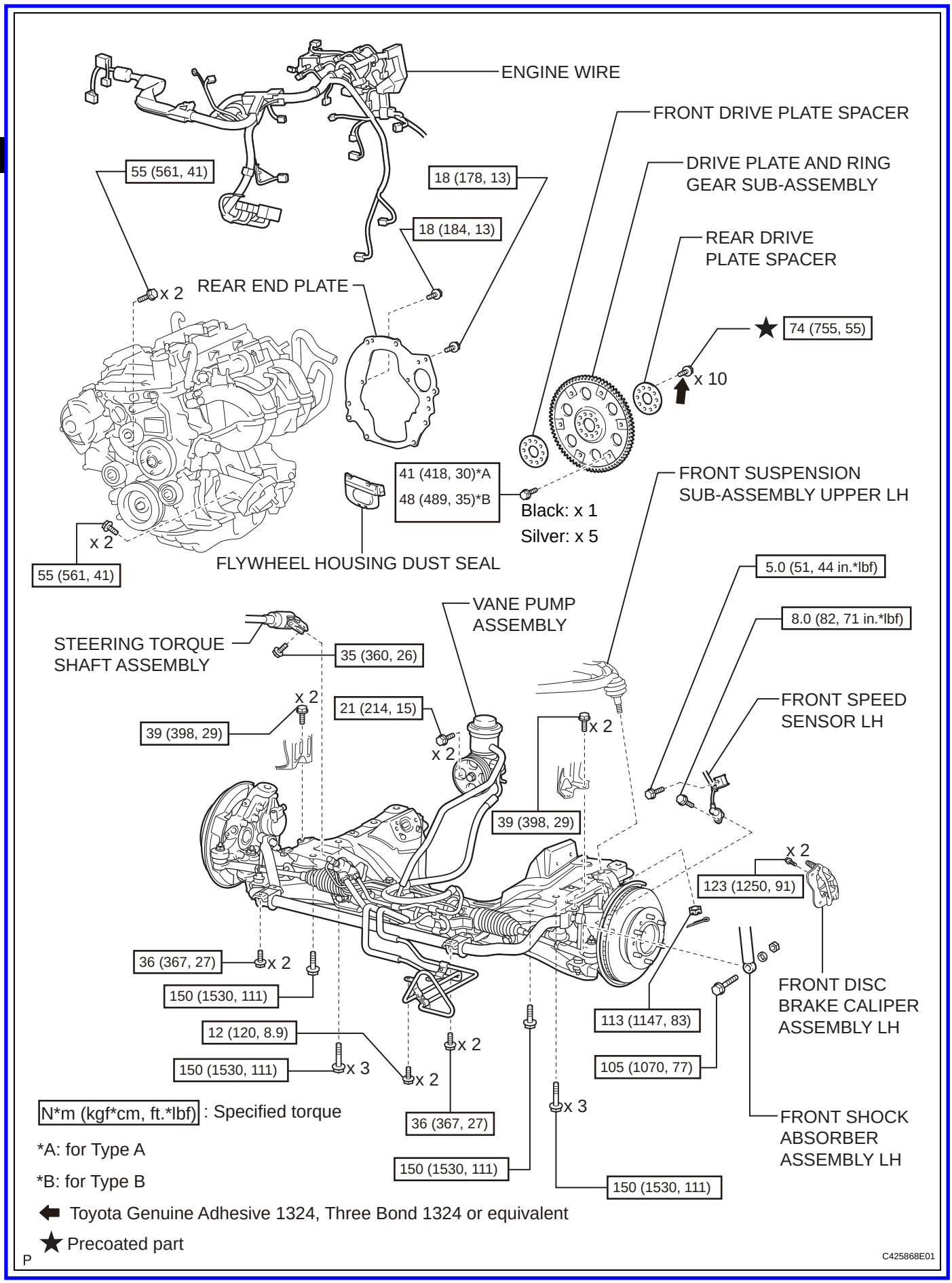
TRANSMISSION CONTROL CABLE

Part Tightened	N*m	kgf*cm	ft.*lbf
Transmission control cable assembly x Floor	8.0	82	71 in.*lbf
No. 3 transmission control cable bracket x Body	5.5	56	49 in.*lbf
No. 2 transmission control cable bracket x Under body	5.5	56	49 in.*lbf
Transmission control cable assembly x Body	14	143	10

AUTOMATIC TRANSMISSION UNIT

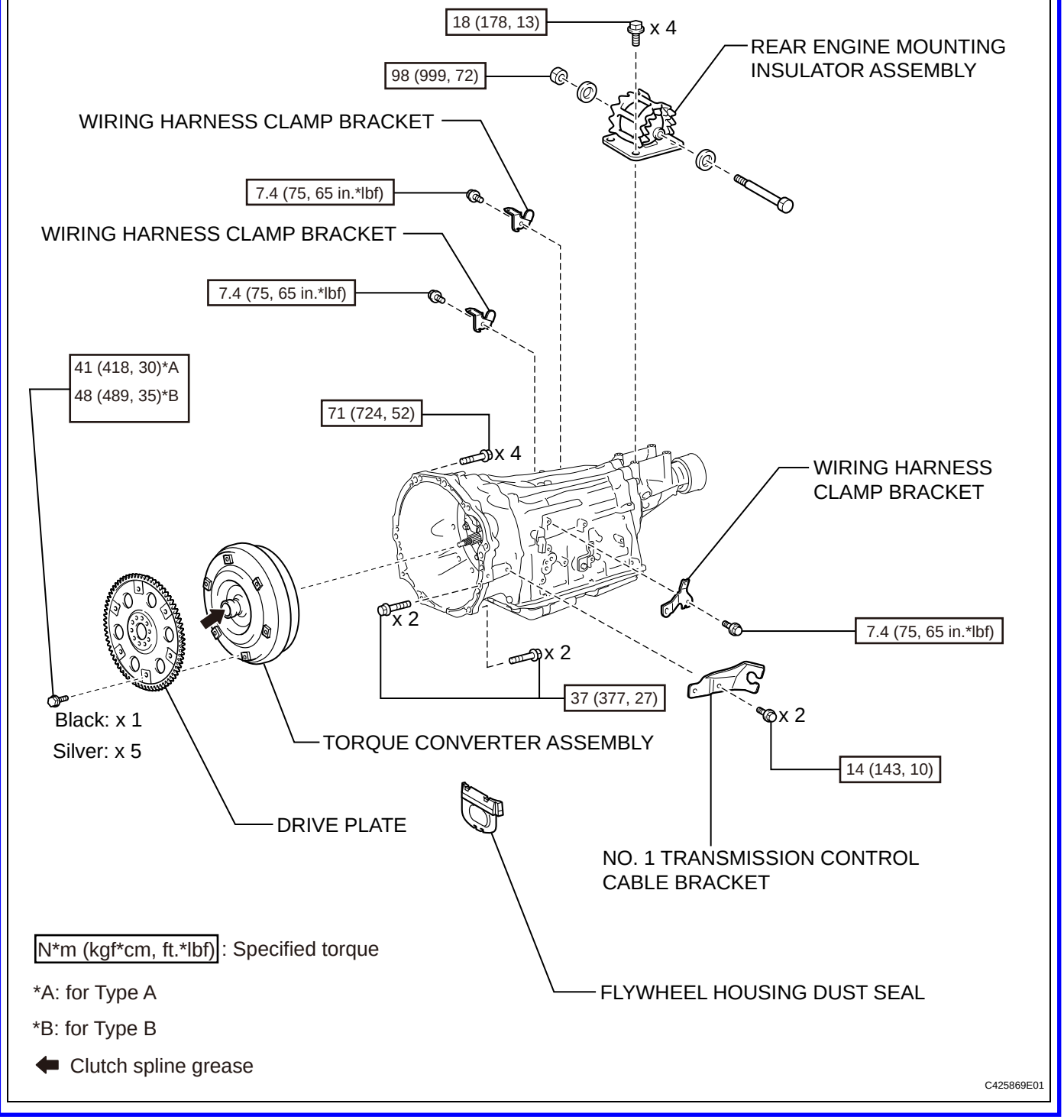
Part Tightened		N*m	kgf*cm	ft.*lbf
Breather plug hose x Automatic transmission case sub-assembly		5.4	55	48 in.*lbf
transmission revolution sensor NT x Automatic transmission case sub-assembly		5.4	55	48 in.*lbf
transmission revolution sensor SP2 x Automatic transmission case sub-assembly		5.4	55	48 in.*lbf
Transmission control shaft lever LH x Manual valve lever shaft		16	160	12
Park/neutral position switch assembly x Automatic transmission case sub-assembly	Bolt	13	130	9
	Nut	6.9	70	61 in.*lbf
Refill plug x Extension housing subassembly		39	400	29
Automatic transmission case plug x Automatic transmission case sub-assembly		7.4	75	65 in.*lbf
Automatic transmission case plug (TORX) x Automatic transmission case sub-assembly		39	400	29
Oil cooler tube union x Automatic transmission case sub-assembly	with SST	25	252	18
	without SST	29	300	22
Extension housing sub-assembly x Automatic transmission case sub-assembly		34	345	25
Automatic transmission housing x Automatic transmission case sub-assembly	M10 bolt	34	345	25
	M12 bolt	57	579	42
Drain plug x Automatic transmission oil pan sub-assembly		20	204	15
Overflow plug x Automatic transmission oil pan sub-assembly		20	204	15
Automatic transmission oil pan sub-assembly x Automatic transmission case sub-assembly		7.4	75	65 in.*lbf
Transmission wire x Automatic transmission case sub-assembly		5.4	55	48
Temperature sensor clamp x transmission valve body assembly	Bolt A	10	102	7
	Bolt B	11	112	8
Valve body oil strainer assembly x Transmission valve body assembly		10	102	7
Transmission valve body assembly x Automatic transmission case sub-assembly		11	112	8
Detent spring x Transmission valve body assembly		10	102	7
Parking lock pawl bracket x Automatic transmission case sub-assembly		18	184	13
Oil pump assembly x Automatic transmission case sub-assembly		21	215	16

EM



[Corrected]

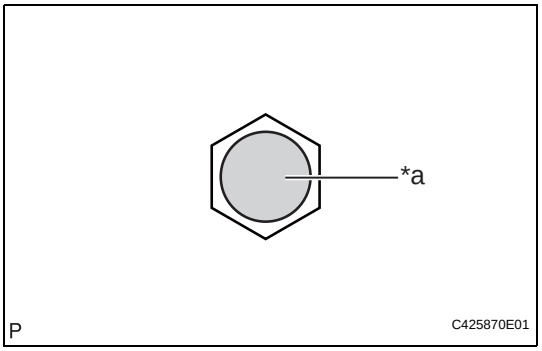
AT



[Corrected]

REMOVAL

CAUTION:
The automatic transmission assembly is very heavy. Be sure to follow the procedure described in the repair manual, or the transmission jack may suddenly drop.



9. INSTALL DRIVE PLATE AND TORQUE CONVERTER CLUTCH SETTING BOLT

(a) Turn the crankshaft to gain access to the installation locations of the 6 drive plate and torque converter setting bolts and install each bolt while holding the crankshaft pulley bolt with a wrench.

Torque: for Type A
41 N*m (418 kgf*cm, 30 ft.*lbf)
for Type B
48 N*m (489 kgf*cm, 35 ft.*lbf)

*a	Bolt Stamp

NOTICE:
Install the black colored bolt first, and then the 5 silver colored bolts.

Bolt Type	Bolt Stamp
A	9 or 9T
B	10 or 10T

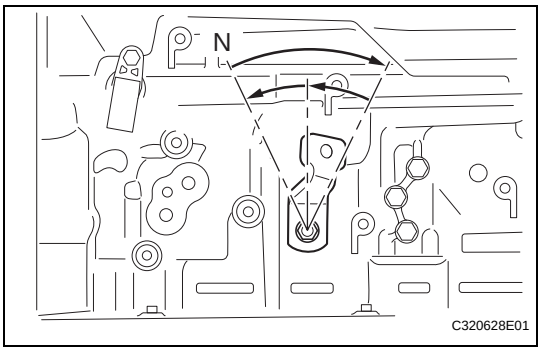
(b) Install the flywheel housing dust seal.

[Corrected]

10. INSTALL NO. 1 TRANSMISSION CONTROL CABLE BRACKET

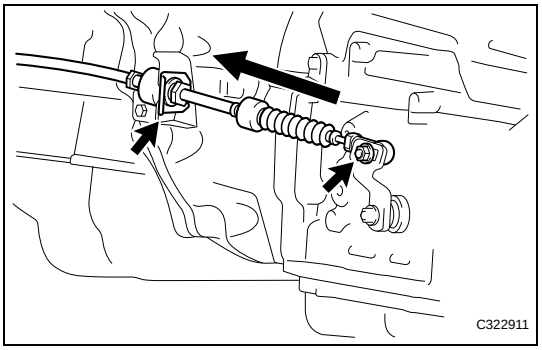
(a) Install the No. 1 transmission control cable bracket to the automatic transmission assembly with the 2 bolts.

Torque: 14 N*m (143 kgf*cm, 10 ft.*lbf)



11. CONNECT TRANSMISSION CONTROL CABLE ASSEMBLY

(a) Turn the control shaft lever clockwise until it stops, and then return the control shaft lever counterclockwise 2 notches to N.



(b) Connect the end of the transmission control shift cable assembly to the transmission control shaft lever LH.

(c) Move the shift lever to N, and with the cable end lightly pushed toward the front of the vehicle, install the transmission control cable assembly to the transmission control shaft lever LH with the nut.

Torque: 15 N*m (148 kgf*cm, 11 ft.*lbf)

HINT:
Tighten the nut with no slack in the control cable.

(d) Connect the transmission control shift cable assembly to the No. 1 transmission control cable bracket with a new clip.

12. INSTALL FRONT EXHAUST PIPE ASSEMBLY

(See page)

See
1TR-FE EXHAUST - EXHAUST PIPE - INSTALLATION (2014/10-)