TOYOTA SERVICE BULLETIN

Group: 05 No.: 18 Date: Nov, 13

Prius NHW20

Corrections to Repair Manual RM1076E

Please ensure these pages are distributed to all relevant staff for their information; and a copy made available for future reference, with the above repair manual.

Section	Title	Paragraph
SERVICE SPECIFICATIONS	HYBRID TRANSAXLE	SERVICE DATA
HYBRID TRANSAXLE	HYBRID VEHICLE TRANSAXLE ASSY	OVERHAUL

The revised pages listed above are attached.
(The corrected parts are indicated by arrows.)

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

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HYBRID TRANSAXLE

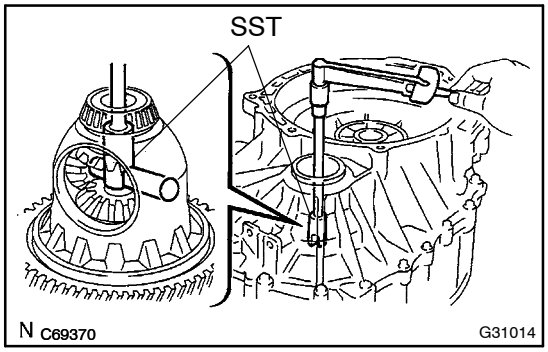
SERVICE DATA

031V4–01

Differential case side bearing preload	
(Starting torque)	New bearing: 0.98 to 1.57 N·m (9.99 to 16.01 kgf·cm, 8.67 to 13.90 in.·lbf) Reused bearing: 0.49 to 0.78 N·m (5.00 to 7.95 kgf·cm, 4.43 to 6.90 in.·lbf)
(Turning torque 20 rpm)	0.61 to 1.35 N·m (6.2 to 13.77 kgf·cm, 5.4 to 11.95 in.·lbf)
Differential preload adjusting shim thickness	
Mark 1	1.80 mm (0.0709 in.)
Mark 2	1.83 mm (0.0720 in.)
Mark 3	1.86 mm (0.0732 in.)
Mark 4	1.89 mm (0.0744 in.)
Mark 50	1.92 mm (0.0756 in.)
Mark 51	1.94 mm (0.0764 in.)
Mark 52	1.96 mm (0.0772 in.)
Mark 53	1.98 mm (0.0780 in.)
Mark 54	2.00 mm (0.0787 in.)
Mark 55	2.02 mm (0.0795 in.)
Mark 56	2.04 mm (0.0803 in.)
Mark 57	2.06 mm (0.0811 in.)
Mark 58	2.08 mm (0.0819 in.)
Mark 59	2.10 mm (0.0827 in.)
Mark 60	2.12 mm (0.0835 in.)
Mark 61	2.14 mm (0.0843 in.)
Mark 62	2.16 mm (0.0850 in.)
Mark 63	2.18 mm (0.0858 in.)
Mark 64	2.20 mm (0.0866 in.)
Mark 65	2.22 mm (0.0874 in.)
Mark 66	2.24 mm (0.0882 in.)
Mark 67	2.26 mm (0.0890 in.)
Mark 68	2.28 mm (0.0898 in.)
Mark 69	2.30 mm (0.0906 in.)
Mark 70	2.32 mm (0.0913 in.)
Mark 19	2.34 mm (0.0921 in.)
Mark 20	2.37 mm (0.0933 in.)
–	2.40 mm (0.0945 in.)
Mark 22	2.43 mm (0.0957 in.)
Mark 23	2.46 mm (0.0969 in.)
Input shaft shim thickness	
Mark 1	1.00 mm (0.0394 in.)
Mark 2	1.20 mm (0.0472 in.)
Mark 3	1.40 mm (0.0551 in.)
Mark 4	1.60 mm (0.0630 in.)
Mark 5	1.80 mm (0.0709 in.)
Mark 6	2.00 mm (0.0787 in.)
Mark 7	2.20 mm (0.0866 in.)
Mark 8	2.40 mm (0.0945 in.)
Mark 9	2.60 mm (0.1024 in.)
Mark 10	2.80 mm (0.1102 in.)
Mark 11	3.00 mm (0.1181 in.)
Mark 12	3.20 mm (0.1260 in.)

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(8) Using SST, measure the differential preload of the differential case assy and rotation torque.

SST 09564–32011

[Deleted]

Preload (Starting torque):
New bearing
0.98 to 1.57 N·m
(9.99 to 16.01 kgf·cm, 8.67 to 13.90 in.·lbf)
Reused bearing
0.49 to 0.78 N·m
(5.00 to 7.95 kgf·cm, 4.34 to 6.90 in.·lbf)
Preload (Turning torque):

[Deleted]

0.61 to 1.35 N·m (20 rpm) at 20 °C
(6.2 to 13.77 kgf·cm, 5.4 to 11.95 in.·lbf)

HINT:

- If the preload is not within the specified range, select the shim to replace.
- Remove the motor assy side tapered roller bearing outer race and shim when replacing the shim.
- Replace the shim and outer race with new ones if they are deformed or damaged.
- As the shim thickness is increased 0.02 mm (0.0008 in.), the preload increases approximately 0.23 N·m (2.4 kgf·cm 2.04 in. lbf) accordingly.

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