TORQUE SPECIFICATION

SS01N-04

Part tightened	N⋅m	kgf-cm	ft-lbf
Shift solenoid valve x Valve body	10	100	7
Valve body x Transmission case	10	100	7
Oil strainer x Valve body	10	100	7
Oil pan x Transmission case	7.4	75	65 in.·lbf
Drain plug	20	205	15
Parking lock pawl bracket x Transmission case	7.4	75	65 in.·lbf
Extension housing x Transmission case (A340E)	36	370	27
Transmission shift lever assembly	5.9	60	52
Transmission control rod x Shift lever	13	130	10
Rear mounting insulator x Transmission (A340E)	65	660	48
Rear mounting insulator x Transfer (A340F)	65	660	48
Rear mounting insulator x Rear mounting bracket (A340E)	18	185	13
Rear mounting insulator x Crossmember (A340F)	18	185	13
Frame x No. 3 Crossmember	72	730	53
Frame x No. 4 Crossmember	72	730	53
Drive plate x Crankshaft	83	850	61
Torque converter clutch x Drive plate	41	420	30
Oil filler pipe	12	120	9
Oil cooler pipe clamp 10 mm head bolt	5.0	51	44 in.·lbf
12 mm head bolt	12	120	9
Oil cooler pipe union nut	34	350	25
Transmission x Engine	71	730	53
Transmission x Starter	39	400	29
Rear end plate x Transmission	18	185	13
Front exhaust pipe x Exhaust manifold	62	630	46
Front exhaust pipe x Tail pipe	48	490	35
Stabilizer bar bracket x Frame	25	260	19
Stabilizer bar link x Lower suspension arm	69	700	51
Exhaust pipe support bracket x Transmission	44	450	33
Exhaust pipe support bracket x Exhaust pipe	44	450	33
Propeller shaft x Differential (A340E)	74	750	54
Front differential x Front propeller shaft (A340F)	74	750	54
Front propeller shaft x Transfer (A340F)	74	750	54
Rear propeller shaft x Rear differential (A340F)	74	750	54
Rear propeller shaft x Transfer (A340F)	74	750	54
Park/neutral position switch Nut	3.9	40	35 in.·lbf
Bolt	13	130	10
No. 2 vehicle speed sensor	5.4	55	48 in.·lbf
ATF temperature sensor x Transmission case	15	150	11

2002 4RUNNER (RM887U)

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