Standards and Service Limits

Air Conditioning — Section 22

	MEASUREMENT	STANDARD (NEW)
Air conditioning system	Lubricant type: DENSO: ND-OIL 8 (P/N 38897 – PR7 – A01AH or 38899 – PR7 – A01) Lubricant capacity mℓ (fl oz, Imp oz) Condenser Evaporator Line or hose Reservoir	 10 (1/3, 0.4) 10 (1/3, 0.4) 20 (2/3, 0.7) 10 (1/3, 0.4)
Compressor (DENSO)	Lubricant type: ND-OIL 8 (P/N 38897 – PR7 – A01AH or 38899 – PR7 – A01) Lubricant capacity mℓ (fl oz, Imp oz) Field coil resistance at 68°F (20°C) Ω Pulley-to-pressure plate clearance	 160 (5 1/3, 5.6) 3.4 – 3.8 0.35 – 0.65 (0.014 – 0.026)
Compressor belt*1	Deflection with 98 N (10 kgf, 22 lbf) between pulleys	10 – 12 (0.39 – 0.47) with used belt 5.5 – 7.5 (0.22 – 0.30) with new belt
	Belt tension N (kgf, lbf) Measured with belt tension gauge	340 – 540 (35 – 55, 77 – 120) with used belt 690 – 880 (70 – 90, 150 – 200) with new belt

Electrical — Section 23

	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Ignition coil	Rated voltage V Primary winding resistance at 77°F (25°C) Ω	12 0.9 – 1.1	
Spark Plug	Type Gap	See section 23 1.1 $^{+0}_{-0.1}$ (0.043 $^{+0}_{-0.004}$)	 1.3 (0.051)*2
Ignition timing	At idling	15° ± 2° (Red) BTDC	
Firing order		1 – 4 – 2 – 5 – 3 – 6	
Alternator belt*1	Deflection with 98 N (10 kgf, 22 lbf) between pulleys	12 – 47 (0.14 – 0.55) with used belt 7 – 9 (0.28 – 0.35) with new belt	
	Belt tension N (kgf, lbf) Measured with belt tension gauge	440 – 640 (45 – 65, 99 – 143) with used belt 880 – 1,080 (90 – 110, 198 – 243) with new belt	
Alternator	Output 13.5 V at normal operating Temperature A @ 6,000 rpm Brush length	 120 10.5 (0.41)	 112 3.5 (0.14)
Starting motor	Type/Output kW Mica depth Commutator runout Commutator O.D. Brush length Brush spring tension N (kgf, lbf)	Reduction/1.4 0.5 – 0.8 (0.02 – 0.03) 0 – 0.02 (0 – 0.0008) 29.9 – 30.0 (1.177 – 1.181) 15.0 – 15.5 (0.591 – 0.610) 17.7 – 23.5 (1.80 – 2.40, 4.0 – 5.3)	——— 0.2 (0.008) 0.05 (0.002) 29.0 (1.142) 10.0 (0.394) ———

*1: When using a new belt, adjust deflection or tension to new values. Run the engine for 5 minutes then turn it off. Readjust deflection or tension to used belt values.

*2: Do not adjust the gap, replace spark plug if it is out of specification.