

Standards and Service Limits

Air Conditioning Section 22

	MEASUREMENT	STANDARD (NEW)
Air conditioning system	Lubricant type: ND-OIL8 (P/N 38899-PR7-A01) (For Refrigerant HFC-134a (R-134a))	
	Lubricant capacity Condenser	30 (1, 1.1)
	ml (fl oz, Imp oz) Evaporator	60 (2, 2.1)
	Line or hose	10 ($\frac{1}{3}$, 0.4)
	Reservoir	10 ($\frac{1}{3}$, 0.4)
Compressor	Lubricant type: ND-OIL8 (P/N 38899-PR7-A01) (For Refrigerant HFC-134a (R-134a))	
	Lubricant capacity ml (fl oz, Imp oz)	140 ($4\frac{2}{3}$, 5)
	Stator coil resistance Ω at 68°F (20°C)	3.4–3.8
	Pulley-to-pressure plate clearance	0.5 \pm 0.15 (0.020 \pm 0.006)
Compressor belt*	Deflection with 100 N (10 kg, 22 lbs) between the pulleys	8–10 (0.31–0.39) with used belt 5.0–6.5 (0.20–0.26) with new belt
	Belt tension N (kg, lbs)	400–600 (40–60, 88–182) with used belt
	Measured with belt tension gauge	800–1,000 (80–100, 176–220) with new belt

* When using a new belt, adjust deflection to new value. Run the engine for 5 minutes then turn it off. Readjust deflection to used belt value.

Electrical Section 23

	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Ignition coil	Rated voltage V	12	
	Primary winding resistance Ω at 77°F (25°C)	0.9–1.1	
Spark plug	Type	See Section 23	
	Gap	1.0–1.1 (0.039–0.041)	1.3 (0.051)* ²
Ignition timing	At idling ° BTDC	15 \pm 2 (Red)	
Alternator belt* ¹	Deflection with 100 N (10 kg, 22 lbs) between pulleys	9.5–11.5 (0.37–0.45) with used belt 5.5–7.5 (0.22–0.30) with new belt	
	Belt tension N (kg, lbs)	350–550 (35–55, 77–121) with used belt	
	Measured with belt tension gauge	750–900 (75–90, 165–198) with new belt	
	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Alternator	Output A (at 13.5 V, hot and 6,000 alternator rpm)	110	—
	Brush length	10.5 (0.41)	1.5 (0.06)
Starting motor (MITSUBISHI)	Type/Output kW	Planetary gear reduction, permanent magnet/2.0	—
	Mica depth	0.5–0.8 (0.02–0.03)	0.2 (0.008)
	Commutator runout	0–0.05 (0–0.002)	0.1 (0.004)
	Commutator O.D.	31.9–32.1 (1.256–1.264)	31.5 (1.24)
	Brush length	18 (0.71)	11 (0.43)
	Brush spring tension N (kg, lbs)	29.7–36.3 (2.97–3.63, 6.55–8.00)	—

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

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