
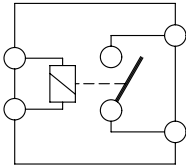
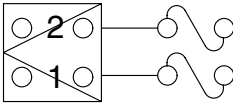
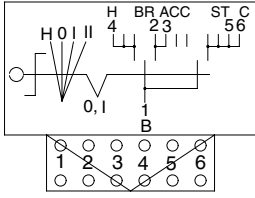
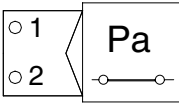
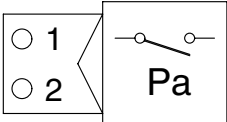
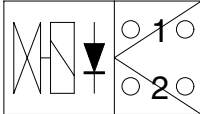
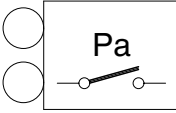
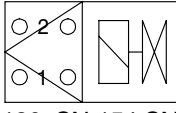
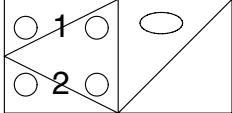
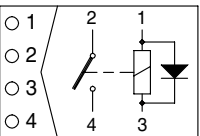
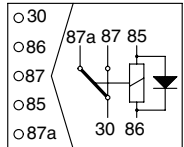
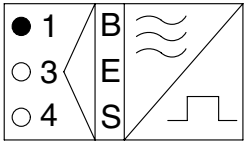
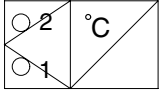
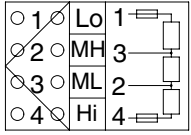
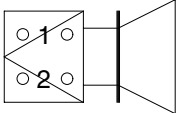
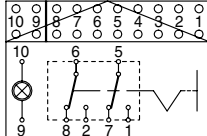
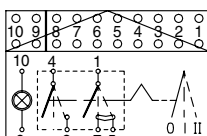
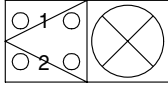
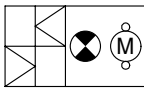
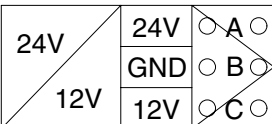
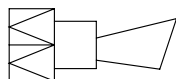
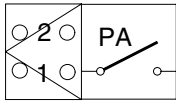
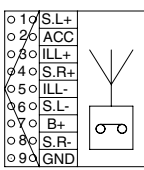


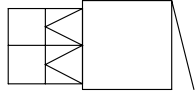
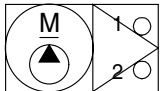
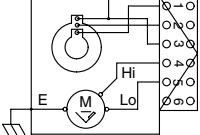
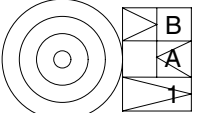
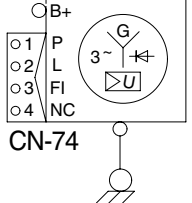
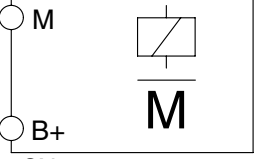
## GROUP 4 ELECTRICAL COMPONENT SPECIFICATION

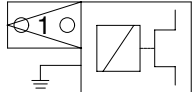
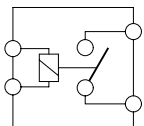
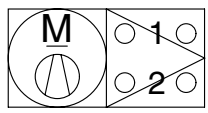
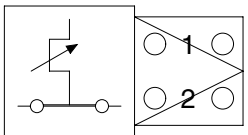
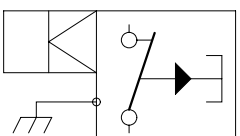
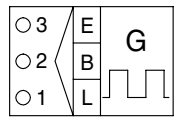
Part name	Symbol	Specifications	Check item
Battery		12V × 160Ah (2EA)	Gravity 1.280 over : over charged 1.280 ~ 1.250 : normal 1.250 below : discharged
Battery relay	 <p style="text-align: center;">CR-1</p>	Rated load : 24V 100A(Continuity) 1000A(30seconds)	Coil resistance brokek : approx 50 Ω connected : ∞ Ω
Fusible link	 <p style="text-align: center;">CN-60 CN-95</p>	24V 60A	Resistance between ring terminal and each connector pin 0 Ω : normal
Start key	 <p style="text-align: center;">CS-2</p>	B-BR : 24V 1A B-ACC : 24V 10A B-ST : 20V 40A	Resistance between each pin Key off : ∞ Ω (for each pin) Key on : 0 Ω (for pin 1-2 & 1-3) Start : 0 Ω (for pin 1-5)
Pressure switch	 <p style="text-align: center;">CD-3 CD-26 CD-39 CD-41</p>	N.C TYPE	Resistance 0 Ω : normal (close)
Pressure switch	 <p style="text-align: center;">CD-4 CD-40 CD-5 CD-48</p>	N.O TYPE	Resistance ∞ Ω : normal (open)

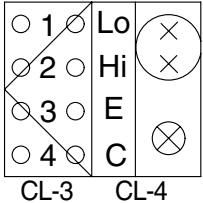
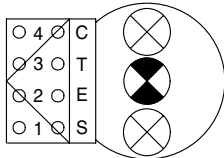
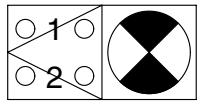
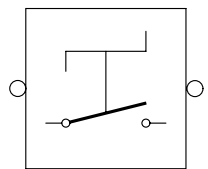
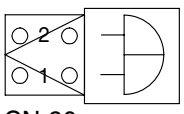
Part name	Symbol	Specifications	Check item
Parking brake/ Attach lock, unlock solenoid	 CN-71 CN-178 CN-177	24V 1A	Resistance normal : 15~25 Ω
Air cleaner pressure switch	 CD-10	635mmH <sub>2</sub> O (N.O type)	Resistance ∞ Ω : normal (open)
Ride control valve / Fan solenoid	 CN-136 CN-154 CN-155	24V 1.2A	※ Check LED lamp ※ Check resistance about 24 Ω
Fuel sender	 CD-2	-	Resistance at fuel levels full level : 50 Ω 9/12 level : 200 Ω 6/12 level : 350 Ω 3/12 level : 500 Ω empty : 700 Ω
Relay (4pin)	 AC RY(H1) AC RY(M2)	24V 20A	Resistance at normal position about 200 Ω between pin 1-3 ∞ Ω between pin 2-4
Relay (5pin)	 CR-2 CR-3 CR-4 CR-5 CR-7 CR-25 CR-26 CR-33 CR-35 CR-36 CR-37 CR-38 CR-40 CR-41 CR-46 CR-55 CR-58 CR-59	24V 20A	Resistance normal : about 160 Ω (for pin 85~86) 0 Ω (for pin 30~87) ∞ Ω (for pin 30~87)

Part name	Symbol	Specifications	Check item
Proximate switch	 <p>CN-100    CN-101</p>	24V 400mA	-
Hydraulic temperature	 <p>CD-1</p>	-	Resistance normal : $\infty \Omega$ 105°C over : 0 $\Omega$
Aircon resistor		24V	Resistance 1.12 $\Omega$ (for pin 4-2) 2.07 $\Omega$ (for pin 2-3) 3.17 $\Omega$ (for pin 3-1)
Speaker	 <p>CN-23(LH) CN-24(RH)</p>	4 $\Omega$ 20W	Resistance normal : 4 $\Omega$
Switch (Locking type)	 <p>CS-17 CS-23 CS-41 CS-42 CS-59 CS-80 CS-82</p>	24V 8A	Resistance at switch off position $\infty \Omega$ between pin 1-5 and 2-6 0 $\Omega$ between pin 5-7 and 6-8
Switch (Non-locking type)	 <p>CS-21 CS-35 CS-36</p>	24V 8A	Resistance at switch off position $\infty \Omega$ between pin 1-5 and 2-6 0 $\Omega$ between pin 5-7 and 6-8

Part name	Symbol	Specifications	Check item
Work lamp, Room lamp, Number plate lamp	 CL-1 CL-21 CL-24 CL-5 CL-22 CL-25 CL-6 CL-23 CL-30	Work lamp 24V 70W Number plate lamp Room lamp 24V 10W	Resistance normal : 1.2 Ω
Beacon lamp	 CL-7	24V 70W (H1 TYPE)	Resistance normal : 1.1 Ω
DC/DC Converter		12V 3A	Resistance 8.8 Ω (for pin A-B) 7.7 Ω (for pin B-C)
Horn	 CN-20 CN-25	24V 2A	Operation by external power source - connct 24V power to (+) terminal - ground the (-) terminal
Receiver dryer	 CN-29	24V 2.5A	Resistance 0 Ω : 2.1±0.3~27±2kgf/cm <sup>2</sup> ∞ Ω : ~2.1±0.3, 27±2~kgf/cm <sup>2</sup>
Cassette radio	 CN-27	24V 20W+20W	Resistance Power ON : 4 Ω + 4 Ω (for pin 1-6, 4-8)

Part name	Symbol	Specifications	Check item
Back up buzzer	 <p>CN-65</p>	24V 0.5A 110dB	Resistance normal : 5.2 Ω
Washer pump	 <p>CN-22(FR) CN-103(RR)</p>	24V 2.5A	Resistance normal : 26.4 Ω (for pin1-2)
Wiper motor	 <p>CN-21(FR) CN-102(RR)</p>	24V 1.5A 2-speed Auto parking	-
Cigar lighter	 <p>CL-2</p>	24V 5A 1.4W	Coil resistance normal : about 1M Ω
Alternator	 <p>CN-74</p>	24V 70A	Voltage normal : 24~28V
Starter	 <p>CN-45</p>	Nippondenso 24V-3.7kW	Operating or not

Part name	Symbol	Specifications	Check item
Aircon compressor	 CN-28	24V 79W	Resistance normal : 13.4 Ω
Start relay	 CR-23	24V 300A	Coil resistance normal : 1-2 Ω Switch connection ∞ Ω at normal open position 0 Ω when engaged
Blower		24V 9.5A	Resistance at each switch position normal : 0.5-2 Ω
Duct sensor		1° C OFF 4° C ON	Resistance 0 Ω (for pin 1-2), (the atmosphere temp over 4° C)
Door switch	 CS-1 CS-55	24V 2W	Resistance normal : about 5M Ω
Flasher unit	 CR-11	24V 85 ~ 190 C/M 50dB	-

Part name	Symbol	Specifications	Check item
Head lamp	 <p>CL-3 CL-4</p>	24V 75W/70W (H4 TYPE) 24V 4W (T4W)	Resistance normal : a few $\Omega$
Combi lamp (Rear)	 <p>CL-15 CL-16</p>	24V 5W (R5W) 2 × 24V 21W (P21W)	-
Turn lamp	 <p>CL-24 CL-25</p>	24V 21W (P21W)	-
Master switch	 <p>CS-74</p>	Continuous capacity : 180Amp Push in capacity : 1000Amp	-
Warning buzzer	 <p>CN-26</p>	24V 200mA 90 ± 5dB( 1 m)	-