
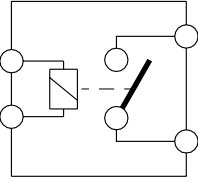
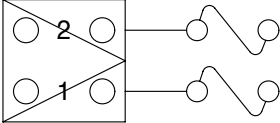
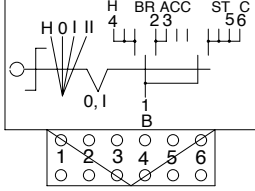
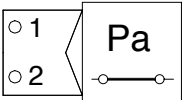
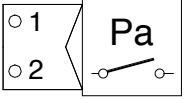
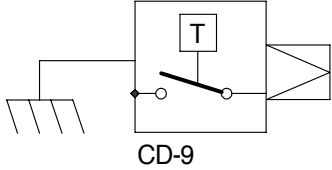
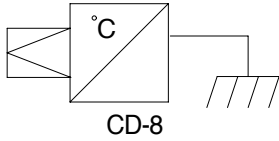
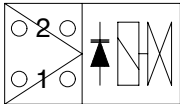
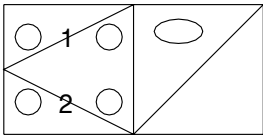
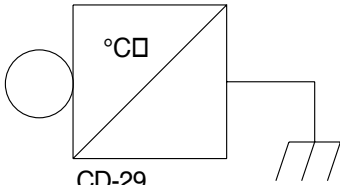
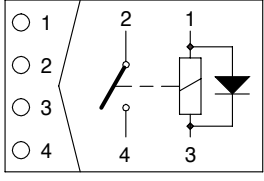
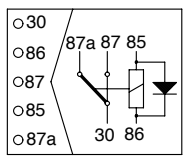
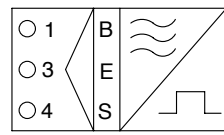
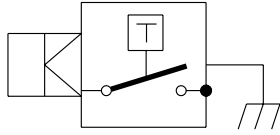
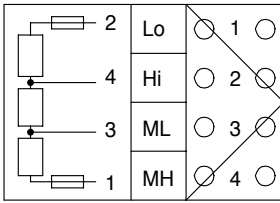
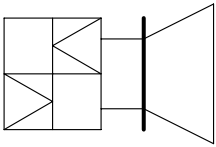
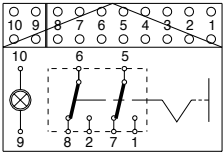
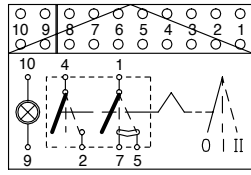
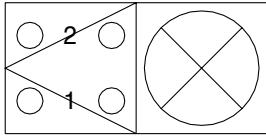
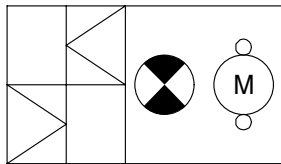
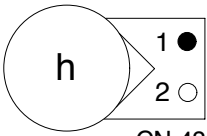
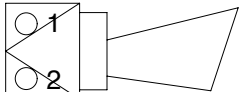


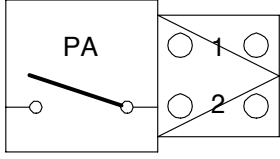
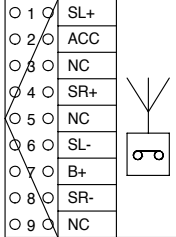
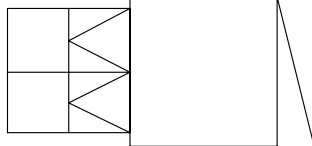
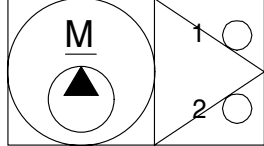
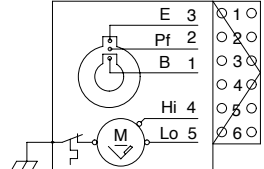
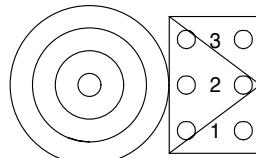
GROUP 4 ELECTRICAL COMPONENT SPECIFICATION

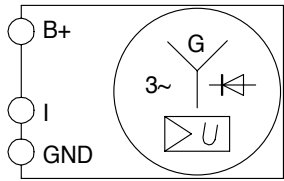
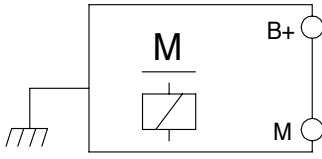
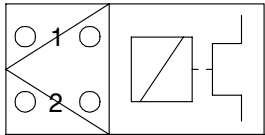
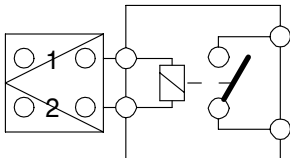
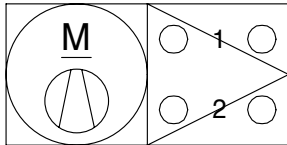
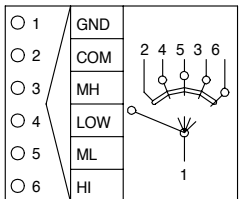
Part name	Symbol	Specifications	Check
Battery		12V × 100Ah (2EA)	Check specific gravity 1.280 Over : Over charged 1.280 ~ 1.250 : Normal 1.250 Below : Recharging
Battery relay	 <p style="text-align: center;">CR-1</p>	Rated load : 24V 100A(Continuity) 1000A(30sec)	Check coil resistance Normal : About 50 Check contact Normal :
Fusible link	 <p style="text-align: center;">CN-60</p>	24V 60A	Check disconnection Normal : 0 (Connect ring terminal and check resistance between terminal 1 and 2)
Start key	 <p style="text-align: center;">CS-2</p>	-	Check contact OFF : (For each terminal) ON : 0 (For terminal 1-3) (For terminal 1-5) START : 0 (For terminal 1-3 and 1-5)
Pressure switch	 <p style="text-align: center;">CD-3 CD-18 CD-25 CD-26 CD-39 CD-41</p>	N.C TYPE	Check contact Normal : 0 (Close)
Pressure switch	 <p style="text-align: center;">CD-4 CD-5 CD-40</p>	N.O TYPE	Check contact Normal : (Open)

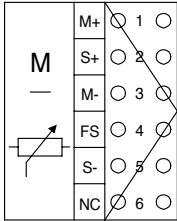
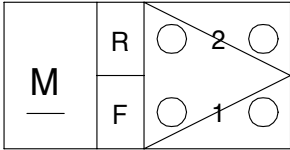
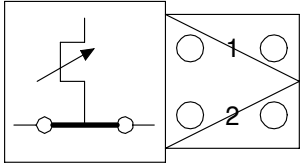
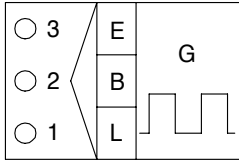
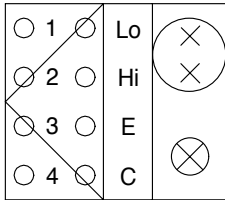
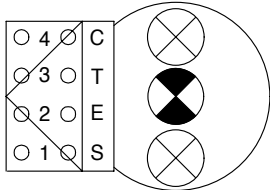
Part name	Symbol	Specifications	Check
Coolant temp sensor	 <p>The symbol shows a rectangular box with a diagonal line from the bottom-left to the top-right. A 'T' is inside the top-right triangle. A switch symbol is on the diagonal line. One terminal is on the left, connected to ground. Another terminal is on the right.</p> <p>CD-9</p>	-	<p>Check resistance Normal : 225₀F Over : 0</p>
Coolant temp sensor	 <p>The symbol shows a rectangular box with a diagonal line from the bottom-left to the top-right. A '°C' is inside the top-right triangle. One terminal is on the left, connected to ground. Another terminal is on the right, connected to ground.</p> <p>CD-8</p>	-	<p>Check resistance 192 ± 13.5 at 73.9₀C</p>
Parking solenoid	 <p>The symbol shows a rectangular box with a diagonal line from the bottom-left to the top-right. On the left side, there are two terminals labeled '2' and '1'. On the right side, there is a solenoid symbol.</p> <p>CN-71</p>	24V 1.2A	<p>Check LED lamp Check Resistance About 24</p>
Fuel sender	 <p>The symbol shows a rectangular box with a diagonal line from the bottom-left to the top-right. On the left side, there are two terminals labeled '1' and '2'. On the right side, there is a reed switch symbol.</p> <p>CD-2</p>	<p>Reed switch : Magnetic type</p>	<p>Check resistance Full : About 30 Low level : About 300</p>
Transmission oil temperatur sender	 <p>The symbol shows a rectangular box with a diagonal line from the bottom-left to the top-right. A '°C' is inside the top-right triangle. A circular terminal is on the left. Another terminal is on the right, connected to ground.</p> <p>CD-29</p>	1/2 P.T.F	<p>Check resistance 137.2 ± 14.5 at 87.8₀C</p>

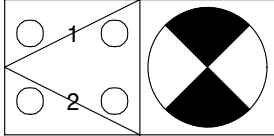
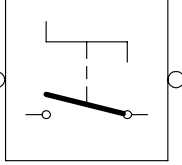
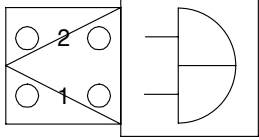
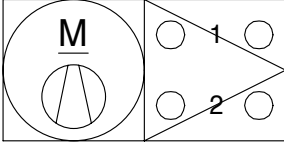
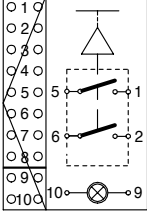
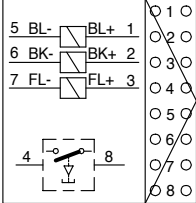
Part name	Symbol	Specifications	Check
Relay (4pin)	 <p>AC RY1 AC RY2 CR-3 CR-6</p>	24V 20A	Check resistance Normal : About 200 (For terminal 1-3) : (For terminal 2-4)
Relay (5pin)	 <p>CR-2 CR-4 CR-5 CR-7 CR-10 CR-26 CR-30 CR-40 CR-41</p>	24V 20A	Check resistance Normal : About 160 (For terminal 2-6) : 0 (For terminal 1-3) : (For terminal 1-4)
Proximate switch	 <p>CN-100 CN-101</p>	24V 400mA	-
Hydraulic temperature	 <p>CD-1</p>	-	Check resistance Normal : 105,C Over : 0
Air conditioner resistor		-	Check contact Normal : 1.12 (For terminal 2-4) : 2.07 (For terminal 3-4) : 3.17 (For terminal 4-1)
Speaker	 <p>CN-23(LH) CN-24(RH)</p>	4 20W	Check resistance Normal : 50

Part name	Symbol	Specifications	Check
Switch (Locking type)	 <p>CS-17 CS-21 CS-23 CS-41 CS-42 CS-51 CS-54</p>	24V 8A	Check contact OFF : (For terminal 1-5, 2-6) : 0 (For terminal 5-7, 6-8)
Switch (Non-locking type)	 <p>CS-3 CS-39</p>	24V 8A	Check contact OFF : (For terminal 2-4, 1-7)
Work lamp, Room lamp, Number plate lamp	 <p>CL-1 CL-6 CL-22 CL-5 CL-21 CL-23</p>	Work lamp 24V 70W Number plate lamp Room lamp 24V 10W	Check disconnection Normal : A few
Beacon lamp	 <p>CL-7</p>	24V 70W (H1 TYPE)	Check disconnection Normal : A few
Hour meter	 <p>CN-48</p>	-	Check operation Supply power(24V) to terminal No.2 and contact terminal No.1 and ground
Horn	 <p>CN-20 CN-25</p>	22-28V 2A 110dB	Check operation Supply power(24V) to each terminal and connect ground

Part name	Symbol	Specifications	Check
Receiver dryer	 <p>CN-29</p>	24V 2.5A	Check contact Normal :
Cassette radio	 <p>CN-27</p>	24V 20W+20W	Check resistance Power ON : 4 +4 (For terminal 1-6, 4-8)
Back up buzzer	 <p>CN-65</p>	24V 0.5A 110dB	-
Washer pump	 <p>CN-22 CN-103</p>	24V 2.5A	Check contact Normal : 26.4 (For terminal 1-2)
Wiper motor	 <p>CN-21 CN-102</p>	24V 1.5A 2-speed Auto parking	-
Cigar lighter	 <p>CL-2</p>	24V 5A	-

Part name	Symbol	Specifications	Check
Alternator	 <p>CN-74</p>	24V 55A	Check voltage Normal : 24-28V
Starter	 <p>CN-45</p>	Bosch 24V	Operating or not
Air conditioner compressor	 <p>CN-28</p>	24V 79W	Check contact Normal : 13.4
Start relay	 <p>CR-23</p>	24V 200A	Check contact Normal : 11.3
Blower		24V 9A 2900 ± 150rpm	-
Blower switch	 <p>CS-58</p>	-	Check resistance Normal : 0 (For terminal 1-2, 3, 4, 5, 6)

Part name	Symbol	Specifications	Check
Mode actuator and temperature actuator		DC Servo motor 9-16V 300mA Max	-
Intake actuator		12V	Check resistance Normal : 2.0
Thermostat		Working temperature of contact point A/C ON : 4.5°C A/C OFF : 1.5°C	-
Flasher unit	 <p>CR-11</p>	24V 85 ~ 190 C/M 50dB	-
Head lamp	 <p>CL-3 CL-4</p>	24V 75W/70W (H4 TYPE) 24V 4W(T4W)	Check disconnection Normal : A few
Combi lamp	 <p>CL-15 CL-16</p>	24V 5W(R5W) 2 x 24V 21W (P21W)	-

Part name	Symbol	Specifications	Check
Turn lamp	 <p>CL-24 CL-25</p>	24V 21W (P21W)	-
Master switch		Continuous Capacity : 180Amp Push in capacity: 1000Amp	-
Warning buzzer	 <p>CN-26</p>	24V 200mA 90 ± 5dB(m)	-
Air conditioner fan	 <p>CN-83</p>	24V	-
Buzzer stop switch (Rocker switch push button)	 <p>CS-34</p>	24V 8A	Check contact OFF : (For terminal 1-5, 2-6)
Joy stick lever	 <p>CN-114</p>	-	Check contact Normal : 80~90 (For terminal 1-5, 2-6 3-7) : (For terminal 4-8)