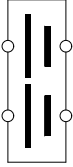
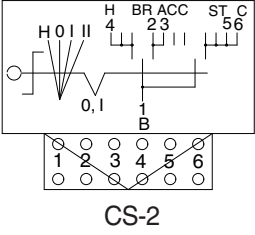
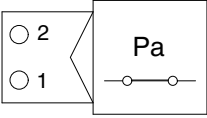
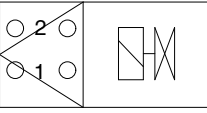
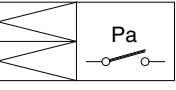
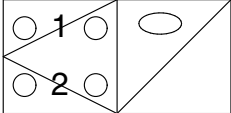
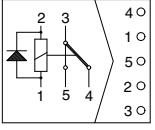
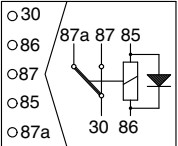
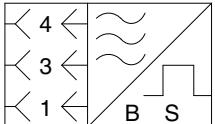
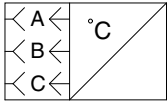
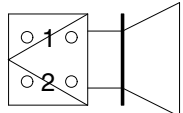
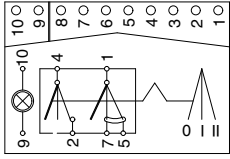
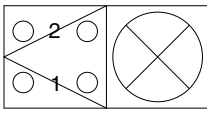
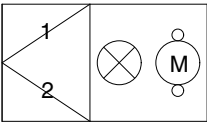
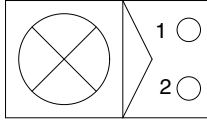
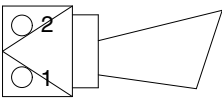
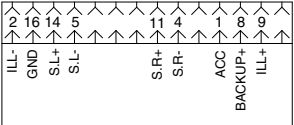
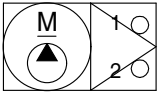
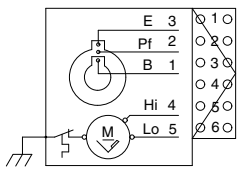
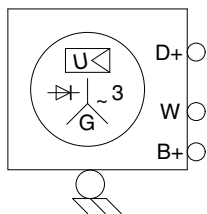
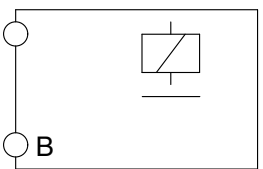
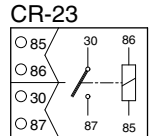
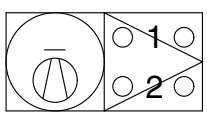


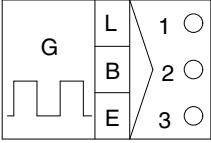
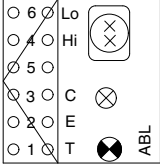
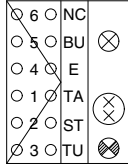
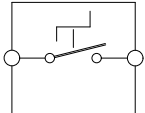
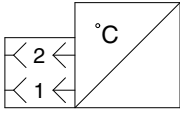
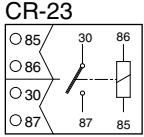
## GROUP 3 ELECTRICAL COMPONENT SPECIFICATION

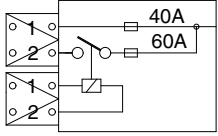
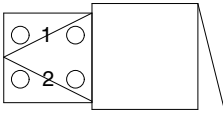
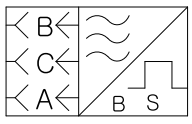
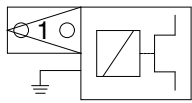
Part name	Symbol	Specifications	Check item
Battery		12V × 100Ah (1EA) : STD 12V × 80Ah (2EA) : OPT	Voltage : 12.5 V beyond
Start key		B-BR : 24V 1A B-ACC : 24V 10A B-R2 : 20V 40A	Resistance between each pin Key off : ∞ Ω (for each pin) Key on : 0 Ω (for pin 1-2 & 1-3) Start : 0 Ω (for pin 1-5)
Parking pressure switch	 <p style="text-align: center;">CN-177</p>	N.C type	Resistance 0 Ω : normal (close)
Solenoid	 <p style="text-align: center;">                     CN-62 CN-72 CN-121 CN-151A Y-DL                      CN-68B CN-73 CN-122 CN-151B Y-PB                      CN-68L CN-75 CN-136 CN-151C YWD                      CN-68T CN-76 CN-137 CN-151D                 </p>	-	-
Air cleaner pressure switch	 <p style="text-align: center;">CD-10</p>	Max load : 6W N.O type	Resistance ∞ Ω : normal (open)
Fuel sender	 <p style="text-align: center;">CD-2</p>	-	Resistance at fuel levels Full level : 7 Ω 1/2 level : 32.5 Ω Empty : 95 Ω

Part name	Symbol	Specifications	Check item
Relay (5pin)	 <p>CR-4 CR-18 CR-63 CR-6 CR-26 CR-95 CR-17 CR-58</p>	12V 30A	Resistance normal : about 105 Ω (for pin 1~2) 0 Ω (for pin 3~4) ∞ Ω (for pin 3~5)
Relay (5pin)	 <p>CR-2 CR-10 CR-14 CR-62 CR-5 CR-13 CR-46 CR-84</p>	12V 25A	Resistance normal : about 105 Ω (for pin 85~86) 0 Ω (for pin 30~87) ∞ Ω (for pin 30~87)
Proximate switch	 <p>CN-101</p>	12V NPN N.O	Voltage between 0V pin B-C
Water temperature sensor	 <p>CD-8</p>	-	Resistance 100°C : 42 Ω ± 10% 75°C : 86 Ω ± 15% 25°C : 500 Ω ± 10%
Speaker	 <p>CN-23(LH) CN-24(RH)</p>	4 Ω 20W	Resistance normal : 4 Ω
Switch (locking type)	<p>CS-10 CS-23 CS-56 CS-69 CS-70T CS-16 CS-41 CS-57 CS-70B CS-71 CS-17 CS-55 CS-59 CS-70L CS-96</p>	12V 11A	Resistance at switch off position ∞ Ω between pin 1-5 and 2-6 0 Ω between pin 5-7 and 6-8

Part name	Symbol	Specifications	Check item
Switch (non-locking type)	 <p>CS-12 CS-13 CS-21</p>	12V 16A	Resistance at switch off position ∞ Ω between pin 1-5 and 2-6 0 Ω between pin 5-7 and 6-8
Work lamp, Number plate lamp	 <p>CL-5 CL-22 CL-33 CL-6 CL-23 CL-35 CL-21 CL-32 CL-36</p>	12V 55W	Resistance normal : 1.2 Ω
Beacon lamp	 <p>CL-7L CL-7R</p>	12V 55W (H1 TYPE)	Resistance normal : 1.1 Ω
Room lamp	 <p>CL-21 CL-30 CL-31</p>	12V 10W	Resistance normal : a few Ω
Horn	 <p>CN-20A CN-20B</p>	12V 3A	Operation by external power source - Connect 12V power to (+) terminal - Ground the (-) terminal
Radio / USB player	 <p>CN-27</p>	12V 20W/Ch	-

Part name	Symbol	Specifications	Check item
Washer pump	 CN-22 (FR) CN-103 (RR)	12V	Resistance normal : 26.4 Ω (for pin1-2)
Wiper motor	 CN-21 (FR) CN-102 (RR)	12V 2-speed Auto parking	-
Alternator	 CN-74	12V 100A	Voltage normal : 12~14V
Starter	 CN-45	Nippondenso 12V	Operating or not
Start relay	 CR-23	12V 70A	Coil resistance normal : 18 Ω Switch connection ∞ Ω at normal open position 0 Ω when engaged
Blower		12V 15A	-Resistance at each switch position normal : 0.5-2 Ω

Part name	Symbol	Specifications	Check item
Flasher unit	 <p style="text-align: center;">CR-11</p>	12V 85 ~ 190 C/M 50dB	-
Head lamp	 <p style="text-align: center;">CL-3   CL-4</p>	12V 55W (H3, H7 TYPE) 12V 21W (P21W) 12V 4W (T4W)	Resistance normal : a few $\Omega$
Combi lamp (rear)	 <p style="text-align: center;">CL-15(LH)   CL-16(RH)</p>	12V 5W (R5W) 2 × 12V 21W (P21W)	-
Master switch	 <p style="text-align: center;">CS-74</p>	Continuous capacity : 180Amp Push in capacity : 1000Amp	-
T/M temp switch	 <p style="text-align: center;">CD-49</p>	-	Resistance 120°C : ON
Heater relay	 <p style="text-align: center;">CR-23 CR-24</p>	12V/70A	Coil resistance normal : 18 $\Omega$ Switch connection $\infty \Omega$ at normal open position 0 $\Omega$ when engaged

Part name	Symbol	Specifications	Check item
Power relay	 <p data-bbox="539 448 694 481">CR-1 CR-35</p>	12V/70A	<p data-bbox="1072 309 1184 342">Switched :</p> <p data-bbox="1072 347 1173 380">Fuse 60A</p> <p data-bbox="1072 398 1225 432">Non-switched :</p> <p data-bbox="1072 436 1173 470">Fuse 40A</p>
Back-up buzzer	 <p data-bbox="558 739 638 772">CN-81</p>	12V/24V 107dB	<p data-bbox="1072 582 1364 649">Operation by external power source</p> <ul data-bbox="1072 660 1348 772" style="list-style-type: none"> <li>- Connect 12V power to (+) terminal</li> <li>- Ground the (-) terminal</li> </ul>
Axle sensor	 <p data-bbox="502 1025 694 1059">CN-102 CN-104</p>	12V NPN N.O	Voltage between 0V pin B-C
Aircon compressor	 <p data-bbox="582 1299 662 1332">CN-28</p>	24V	-