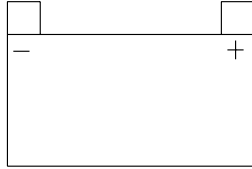
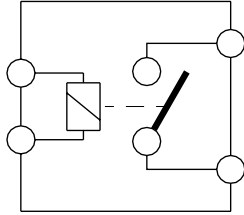
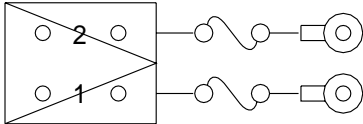
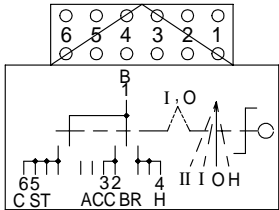
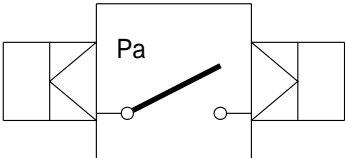
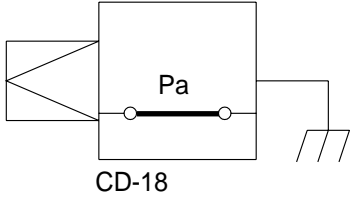
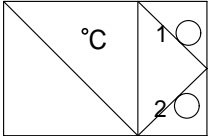
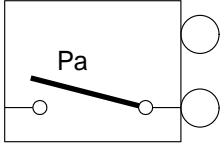
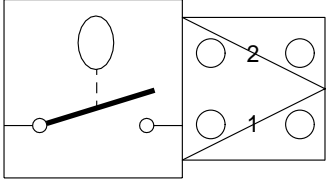
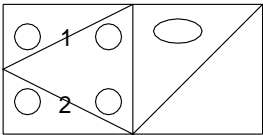
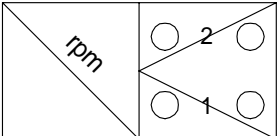
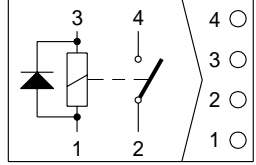
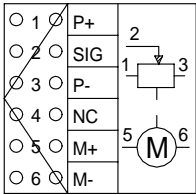
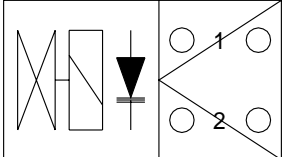
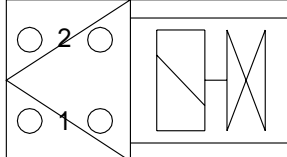
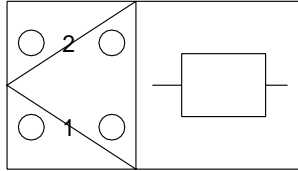
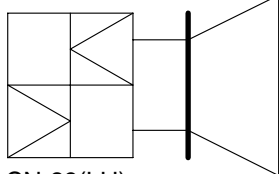
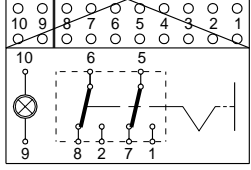
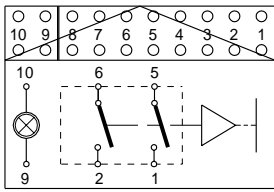
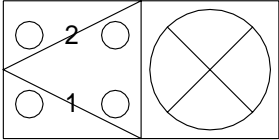
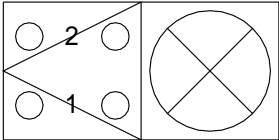
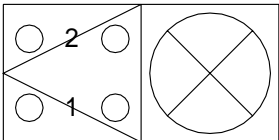
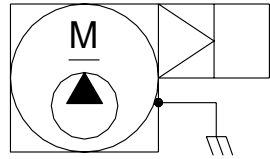


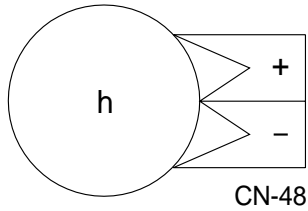
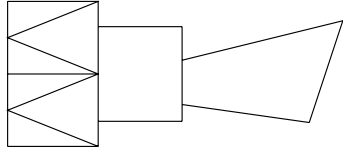
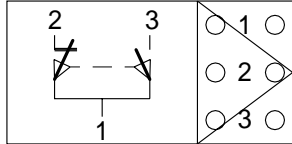
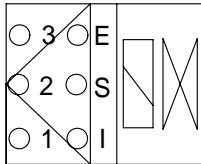
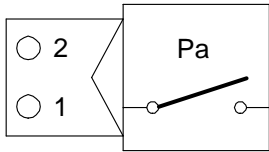
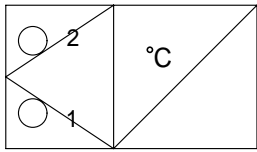
## GROUP 3 ELECTRICAL COMPONENT SPECIFICATION

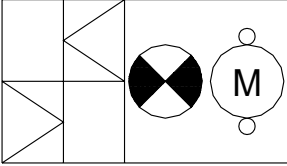
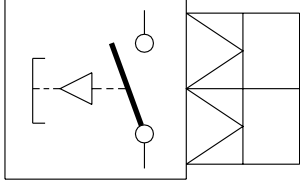
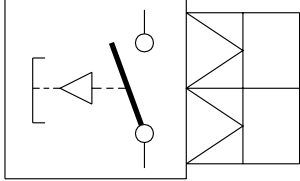
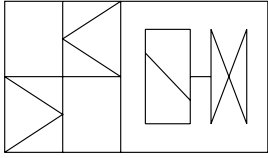
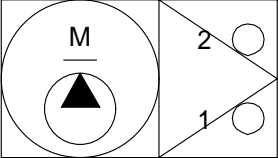
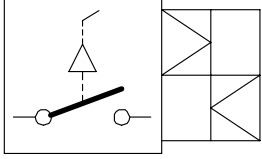
Part name	Symbol	Specifications	Check
Battery		12V × 160Ah (2EA)	<ul style="list-style-type: none"> <li>※ Check specific gravity</li> <li>1.280 over : Over charged</li> <li>1.280~1.250 : Normal</li> <li>1.250 below : Recharging</li> </ul>
Battery relay	 <p style="text-align: center;">CR-1</p>	Rated load : 24V 100A(Continuity) 1000A(30sec)	<ul style="list-style-type: none"> <li>※ Check coil resistance(M4 to M4)</li> <li>Normal : About 50 Ω</li> <li>※ Check contact</li> <li>Normal : ∞ Ω</li> </ul>
Fusible link	 <p style="text-align: center;">CN-60</p>	60A	<ul style="list-style-type: none"> <li>※ Check disconnection</li> <li>Normal : About 0 Ω</li> <li>(For terminal 1-ring term, terminal 2-ring term)</li> </ul>
Start key	 <p style="text-align: center;">CS-2</p>	24V 40A	<ul style="list-style-type: none"> <li>※ Check contact</li> <li>OFF : ∞ Ω (For each terminal)</li> <li>ON : 0 Ω (For terminal 1-3, 1-2)</li> <li>START : 0 Ω (For terminal 1-5)</li> </ul>
Pressure switch (For travel alarm)	 <p style="text-align: center;">CD-11~CD-14</p>	3~6kg/cm <sup>2</sup> (N.O TYPE)	<ul style="list-style-type: none"> <li>※ Check contact</li> <li>Normal : ∞(OPEN)</li> </ul>

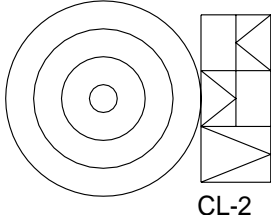
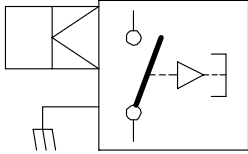
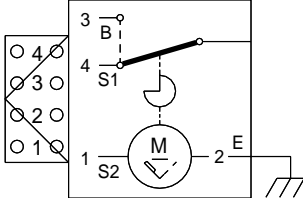
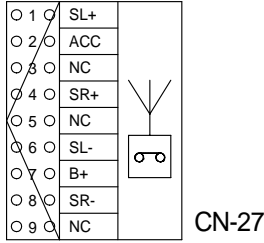
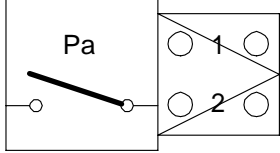
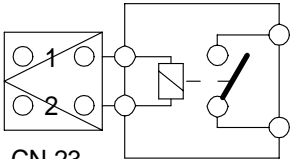
Part name	Symbol	Specifications	Check
Pressure switch (For engine oil)	 <p>CD-18</p>	0.5kg/cm <sup>2</sup> (N. C TYPE)	※ Check resistance Normal : 0 Ω (CLOSE)
Coolant temperature sensor	 <p>CD-8</p>	-	※ Check resistance 50°C : 800 Ω 80°C : 310 Ω 100°C : 180 Ω
Air cleaner pressure switch	 <p>CD-10</p>	Pressure:635mm H <sub>2</sub> O (N.O TYPE)	※ Check contact Normal : ∞ Ω
Coolant level sensor	 <p>CD-16</p>	24V 0.5A	※ Check contact High level : ∞ Ω Low level : 0 Ω
Fuel sender	 <p>CD-2</p>	-	※ Check resistance Full : 100 Ω 5/6 : 200 Ω 4/6 : 300 Ω 3/6 : 400 Ω 2/6 : 500 Ω 1/6 : 600 Ω Empty warning : 700 Ω
Tacho sensor	 <p>CD-17</p>	-	※ Check resistance Normal : 300 Ω (For terminal 1-2)

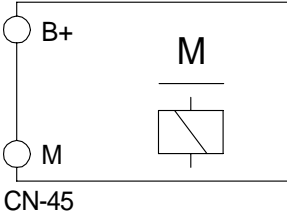
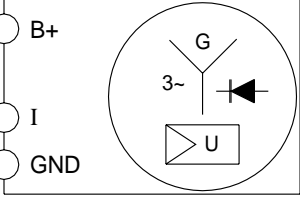
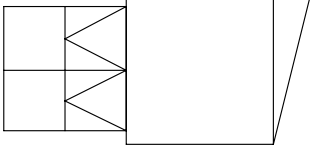
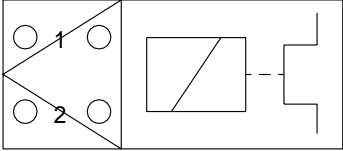
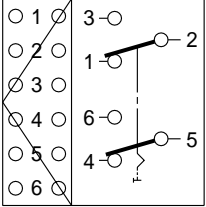
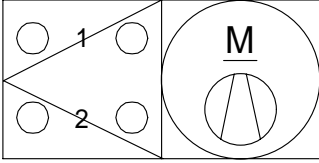
Part name	Symbol	Specifications	Check
Relay	 <p>CR-2, CR-3, CR-5</p>	24V 20A	※ Check resistance Normal : About 200 Ω (For terminal 1-3) ∞ Ω (For terminal 2-4)
Accel actuator	 <p>CN-76</p>	-	※ Check resistance Normal : 1~2 Ω (For terminal 5-6) 0.8~1.2kΩ (For terminal 1-3)
Solenoid valve	 <p>CN-66, CN-68, CN-70 CN-88, CN-89</p>	24V 1A	※ Check resistance Normal : 15~25 Ω (For terminal 1-2)
EPPR valve	 <p>CN-75</p>	700mA	※ Check resistance Normal : 15~25 Ω (For terminal 1-2)
Resistor	 <p>CN-47</p>	50 Ω	※ Check resistance Normal : 45~55 Ω
Speaker	 <p>CN-23(LH) CN-24(RH)</p>	20W	※ Check resistance Normal : 3~5 Ω

Part name	Symbol	Specifications	Check
Switch (Locking type)	 <p>CS-16, CS-23, CS-27, CS-50, CS-54</p>	24V 8A	※ Check contact Normal ON : 0 Ω (For terminal 1-5, 2-6) ∞ Ω (For terminal 5-7, 6-8) OFF : ∞ Ω (For terminal 1-5, 2-6) 0 Ω (For terminal 5-7, 6-8)
Switch (Non-locking type)	 <p>CS-22</p>	24V 8A	※ Check contact Normal ON : 0 Ω (For terminal 1-5, 2-6) ∞ Ω (For terminal 5-7, 6-8) OFF : ∞ Ω (For terminal 1-5, 2-6) 0 Ω (For terminal 5-7, 6-8)
Head lamp	 <p>CL-3</p>	24V 70W (H3 TYPE)	※ Check disconnection Normal : 1.2 Ω (For terminal 1-2)
Work lamp	 <p>CL-5, CL-6</p>	24V 70W (H3 TYPE)	※ Check disconnection Normal : 1.2 Ω (For terminal 1-2)
Room lamp	 <p>CL-1</p>	24V 10W	※ Check disconnection Normal : A few Ω (For terminal 1-2)
Fuel filler pump	 <p>CN-61</p>	24V 10A 35 l /min	※ Check operation <ul style="list-style-type: none"> <li>· Supply power(24V) to terminal 1 pin</li> <li>· Connect ring terminal with ground and turn the operation switch ON.</li> </ul>

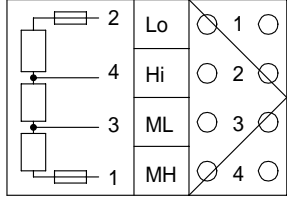
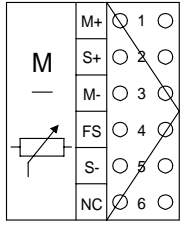
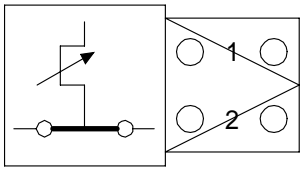
Part name	Symbol	Specifications	Check
Hour meter		-	※ Check operation · Supply power(24V) to terminal (+) and connect terminal (-) to ground.
Horn	 CN-20, CN-25	DC 22.0~28.0V 2A	※ Check operation · Supply power(24V) to each terminal and connect ground.
Safety switch	 CS-4	24V 15A (N.C TYPE)	※ Check contact Normal : 0 Ω (For terminal 1-2) - ∞ Ω (For terminal 1-3) Operating : ∞ Ω (For terminal 1-2) - 0 Ω (For terminal 1-3)
Fuel cut-off	 CN-79	24V 25W	※ Check resistance Normal : 15~25 Ω
Pressure switch (Auto idle, travel)	 CD-6, CD-15	DC 5V 10mA~100mA (N.O TYPE)	※ Check contact Normal : 100M Ω
Hydraulic temperature sensor	 CD-1	-	※ Check resistance 50°C : 800 Ω 80°C : 310 Ω 100°C : 180 Ω 120°C : 100 Ω

Part name	Symbol	Specifications	Check
Beacon lamp	 <p>CL-7</p>	24V 70W	※ Check disconnection Normal : 1.1 Ω
Power boost switch	 <p>CS-29</p>	24V 6A	※ Check contact Normal : 15M Ω
Horn switch	 <p>CS-5</p>	24V 6A	※ Check contact Normal : 15M Ω
Ether	 <p>CN-78</p>	24V 15A	※ Check contact Normal : 1.1 Ω
Washer tank	 <p>CN-22</p>	24V 3.8A	※ Check contact Normal : 10.7 Ω (For terminal 1-2)
Pedal switch	 <p>CS-26</p>	24V 15A	※ Check contact Normal ON : 0 Ω (For terminal )

Part name	Symbol	Specifications	Check
Cigar lighter	 <p>CL-2</p>	24V 5A 1.4W	※ Check coil resistance Normal : About 1M Ω ※ Check contact Normal : ∞ Ω Operating time : 5 ~15sec
Door switch	 <p>CS-1</p>	24V 20W	※ Check resistance Normal : About 5M Ω
Wiper motor	 <p>CN-21</p>	24V 2A	※ Check contact Normal : 10.5 Ω (For terminal 1-2) Washer spray : 0.2 Ω (For terminal 1-4) Wiper operating : 24V (For terminal 1-4) : 0V (For terminal 2-GND)
Cassette radio	 <p>CN-27</p>	24V 2A	※ Check contact Power ON : 15W+15W, 4 Ω +4 Ω (For terminal 1-6, 4-8) 24~27V (For terminal 7-GND, 2-GND)
Receiver drier	 <p>CN-29</p>	24V 2.5A	※ Check contact Normal : 0 Ω
Start relay	 <p>CN-23</p>	24V 300A	※ Check contact Normal : 0.94 Ω (For terminal 1-2)

Part name	Symbol	Specifications	Check
Starter	 <p>CN-45</p>	DELCO REMY 28MT 24V	※ Check contact Normal : 0.1 Ω
Alternator	 <p>CN-74</p>	24V 60A	※ Check contact Normal : 0 Ω (For terminal B <sup>+</sup> - I ) Normal : 24~27.5V
Travel alarm	 <p>CN-65</p>	24V 0.5A	※ Check contact Normal : 5.2 Ω
Compressor	 <p>CN-28</p>	24V 79W	※ Check contact Normal : 13.4 Ω
Prolix switch	 <p>CS-7</p>	24V~150V 15A	※ Check contact Normal : 0.2 Ω (For terminal 1-2) Emergency : 1.2 Ω (For terminal 2-3) : 50 Ω (For terminal 2-6) : 0 Ω (For terminal 5-6)
Blower		24V 9A	-



Part name	Symbol	Specifications	Check
Aircon resistor		24~28V	※ Check contact Normal : 0.9 Ω (For terminal 2-4) : 3.3 Ω (For terminal 1-3) : 5.4 Ω (For terminal 1-4) : 5.7 Ω (For terminal 1-2)
Mode actuator & Temp actuator		9~16V 300mA MAX	-
Thermostat		-	※ Working temperature of contact point : AC ON → 4.5°C AC OFF → 1.5°C Differential of temperature → 3° C Reted input volt : 24V