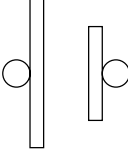
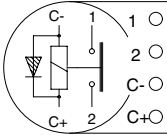
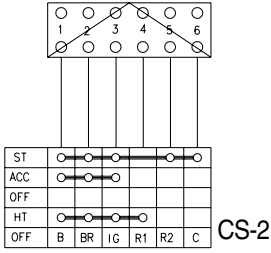
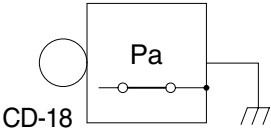
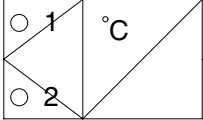
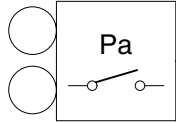
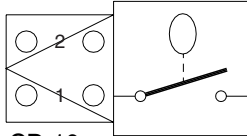
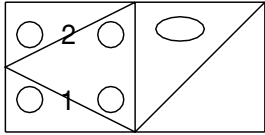
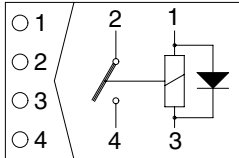
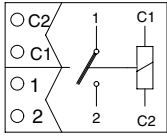
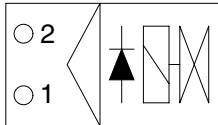
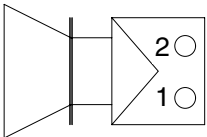
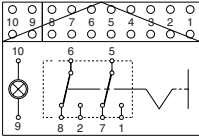
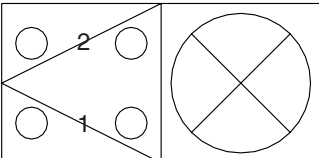
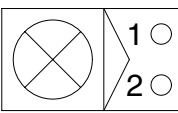
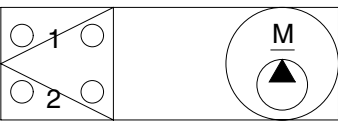
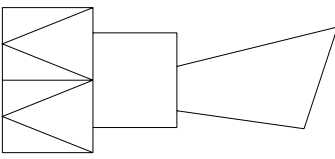
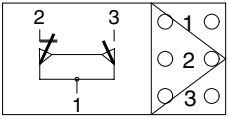
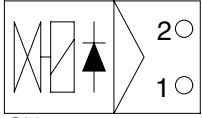
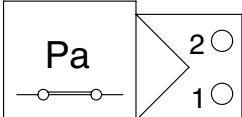
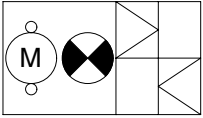
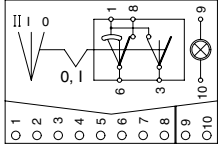
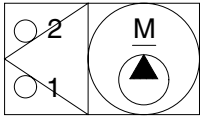


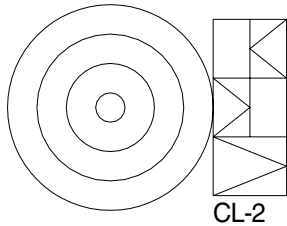
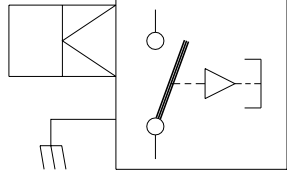
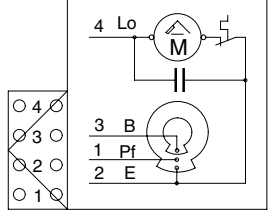
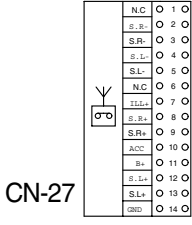
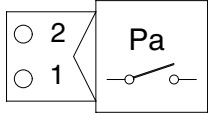
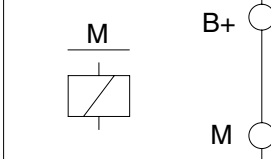
## GROUP 4 ELECTRICAL COMPONENT SPECIFICATION

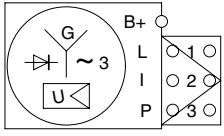
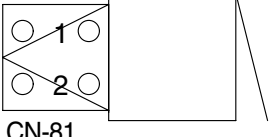
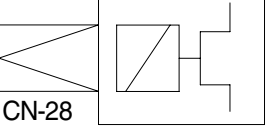
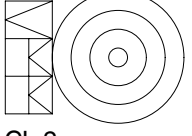
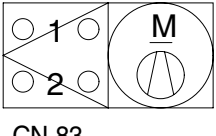
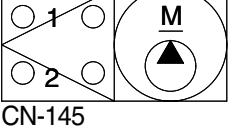
Part name	Symbol	Specification	Check
Battery		12V × 100Ah	※ Check specific gravity 1.280 over : Over charged 1.280 ~ 1.250 : Normal 1.250 below : Recharging
Battery relay	 CR-1	Rated load : 12V 100A(continuity) 1000A(30second)	※ Check coil resistance Normal : About 12 Ω ※ Check contact Normal : ∞ Ω
Start key	 CS-2	12V	※ Check contact OFF : ∞ Ω (For each terminal) ON : 0 Ω (For terminal 1-3 and 1-2) START : 0 Ω (For terminal 1-5)
Pressure switch (For engine oil)	 CD-18	0.5 kgf/cm <sup>2</sup> (N.C TYPE)	※ Check resistance Normal : 0 Ω (CLOSE)
Temperature sensor	 CD-1, CD-30	-	※ Check resistance 50°C : 804 Ω 80°C : 310 Ω 100°C : 180 Ω

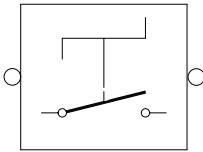
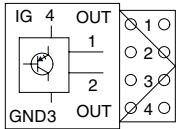
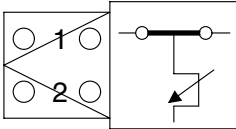
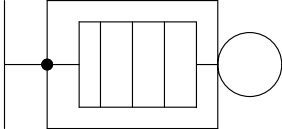
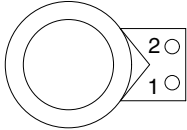
Part name	Symbol	Specification	Check
Air cleaner pressure switch	 <p>CD-10</p>	Pressure: 635mmH <sub>2</sub> O (N.O TYPE)	※ Check contact Normal : ∞ Ω
Coolant level sensor	 <p>CD-16</p>	12V 0.5A	※ Check contact High level : ∞ Ω Low level : 0 Ω
Fuel sender	 <p>CD-2</p>	-	※ Check resistance Full : 100 Ω Low : 500 Ω Empty warning : 700 Ω
Relay	 <p>CR-2 CR-5 CR-12 CR-33 CR-36</p>	12V 20A	※ Check resistance Normal : About 200 Ω (For terminal 1-3) : 0 Ω (For terminal 2-4)
Relay	 <p>CR-23 CR-24</p>	12V 60A	※ Rated coil current 1.2±0.3A
Solenoid valve	 <p>CN-66 CN-68 CN-70 CN-125 CN-140</p>	12V 1A	※ Check resistance Normal : 15~25 Ω (For terminal 1-2)

Part name	Symbol	Specification	Check
Speaker	 <p>CN-23(LH) CN-24(RH)</p>	4 Ω 20W	※ Check resistance Normal : 4 Ω
Switch (Looking type)	 <p>CS-16 CS-23 CS-27 CS-54 CS-67</p>	12V 16A	※ Check contact Normal OFF - ∞ Ω (For terminal 1-5,2-6) - 0 Ω (For terminal 5-7,6-8)
Lamp	 <p>CL-3 CL-4 CL-5</p>	12V 55W (H3 TYPE)	※ Check disconnection Normal : 1.2 Ω
Room lamp	 <p>CL-1</p>	12V 10W	※ Check disconnection Normal : A few Ω
Fuel filler pump	 <p>CN-61</p>	12V 35 l /min	※ Check operation Supply power(For terminal 1) : 12V
Horn	 <p>CN-20 CN-25</p>	12V	100±5dB

Part name	Symbol	Specification	Check
Safety switch	 <p>CS-4</p>	Micro	※ Check contact Normal : 0 Ω (For terminal A-B) : ∞ Ω (For terminal A-C) Operating : ∞ Ω (For terminal A-B) : 0 Ω (For terminal A-C)
Fuel cut-off	 <p>CN-79</p>	12V	※ Check operation Rated full current : 12V 33A Rated hold current : 12V 0.8A
Pressure switch	 <p>CD-7</p>	10bar (N.C type)	※ Check contact Normal : 0.1 Ω
Beacon lamp	 <p>CL-7</p>	12V (Strobe type)	※ Check disconnection Normal : A few Ω
Wiper switch	 <p>CS-3</p>	12V 16A	※ Check contact Normal : ∞ Ω
Washer pump	 <p>CN-22</p>	12V 3.8A	※ Check contact Normal : 3 Ω (For terminal 1-2)

Part name	Symbol	Specification	Check
Cigar lighter	 <p>CL-2</p>	12V 10A 1.4W	※ Check coil resistance Normal : About 1MΩ ※ Check contact Normal : ∞ Ω Operating time : 5~15sec
Switch	 <p>CS-1, CS-20, CS-53</p>	12V4W	※ Check resistance Normal : About 5MΩ
Wiper motor	 <p>CN-21</p>	12V 3A	※ Check contact Normal : 6 Ω (For terminal 2-6)
Cassette radio	 <p>CN-27</p>	12V 3A	※ Check voltage 10 ~ 12.5V (For terminal 10-14, 11-14)
Receiver dryer	 <p>CN-29</p>	12V	※ Check contact Normal : 0 Ω
Starter	 <p>CN-45</p>	12V	※ Check contact Normal : 0.1 Ω

Part name	Symbol	Specification	Check
Alternator	 <p>CN-74</p>	12V 55A	※ Check contact Normal : 0 Ω (For terminal B <sup>+</sup> -1) Normal : 10 ~ 12.5V
Travel alarm	 <p>CN-81</p>	12V	-
Compressor	 <p>CN-28</p>	12V 38W	-
Cigar lighter	 <p>CL-2</p>	12V 16A	-
Air con fan motor	 <p>CN-83</p>	12V 8.5A	-
Fuel feed pump	 <p>CN-145</p>	12V	-

Part name	Symbol	Specification	Check
Master switch		12V 1000A	-
Timer		12V	-
Duct sensor (Switch)		1°C OFF 4°C ON	※ Check resistance : 0 Ω (For terminal 1-2, the atmosphere temp : over 4°C)
Preheater		12V 42A 500W	-
12V socket	 CN-139	12V 120W	-