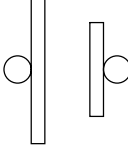
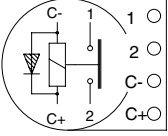
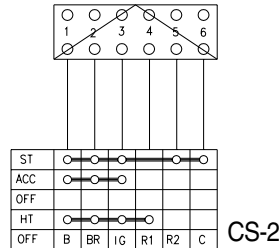
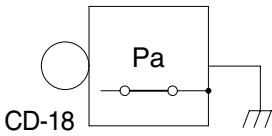
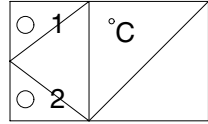
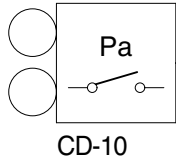
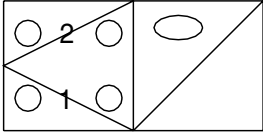
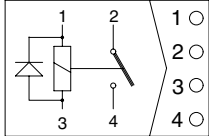
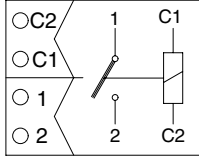
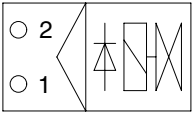
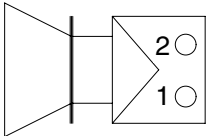
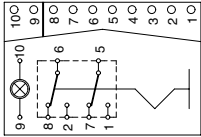
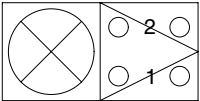
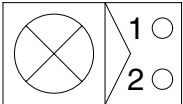
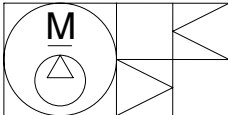
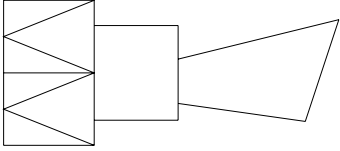
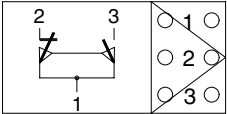
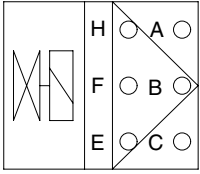
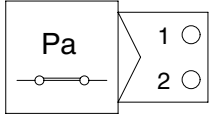
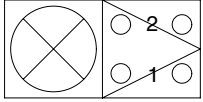
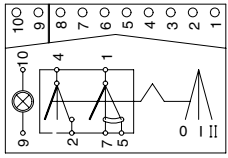
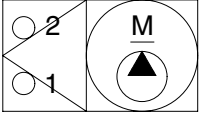
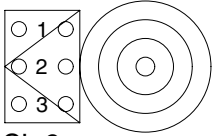


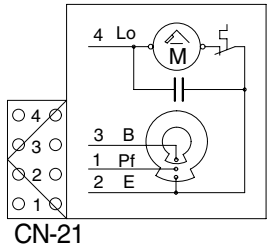
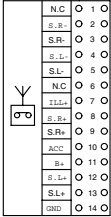
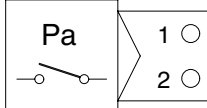
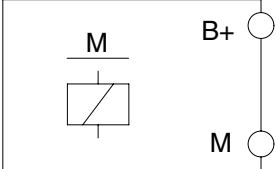
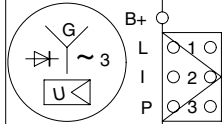
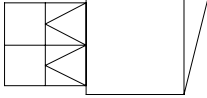
GROUP 4 ELECTRICAL COMPONENT SPECIFICATION

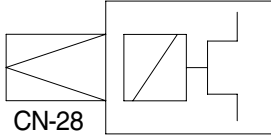
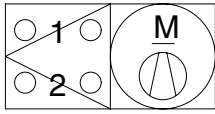
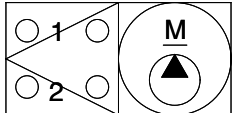
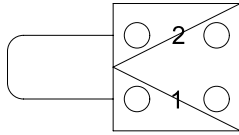
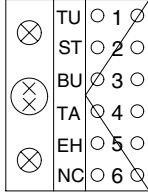
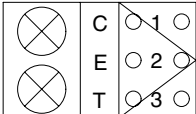
Part name	Symbol	Specification	Check
Battery		12V × 100Ah	※ Check specific gravity 1.280 over : Over charged 1.280 ~ 1.250 : Normal 1.250 below : Recharging
Battery relay	 CR-1	Rated load : 12V 100A(continuity) 1000A(30second)	※ Check coil resistance Normal : About 12 Ω ※ Check contact Normal : ∞ Ω
Start 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 ² (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

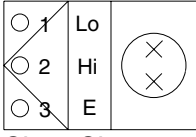
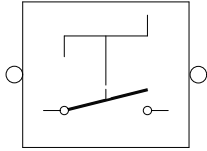
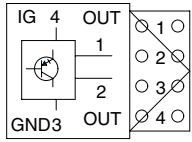
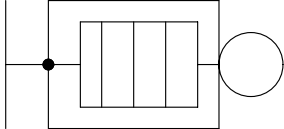
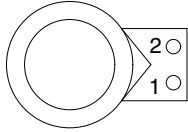
Part name	Symbol	Specification	Check
Air cleaner pressure switch	 <p>CD-10</p>	Pressure: 635mmH ₂ O (N.O TYPE)	※ Check contact Normal : ∞ Ω
Fuel sender	 <p>CD-2</p>	-	※ Check resistance Full : 100 Ω Low : 500 Ω Empty warning : 700 Ω
Relay	 <p>CR-2 CR-5 CR-13 CR-14 CR-29 CR-30 CR-33 CR-36</p>	12V 20A	※ Check resistance Normal : About 200 Ω (For terminal 1-3) : 0 Ω (For terminal 2-4)
Relay	 <p>CR-23 CR-24 CR-47</p>	12V 60A	※ Rated coil current 1.2±0.3A
Solenoid valve	 <p>CN-66 CN-68 CN-69 CN-70 CN-71 CN-121 CN-122 CN-122 CN-123</p>	12V 1A	※ Check resistance Normal : 15~25 Ω (For terminal 1-2)
Speaker	 <p>CN-23(LH) CN-24(RH)</p>	4 Ω 20W	※ Check resistance Normal : 4 Ω

Part name	Symbol	Specification	Check
Switch (Looking type)	 <p>CS-23 CS-27 CS-36 CS-47 CS-54</p>	12V 16A	※ Check contact Normal OFF - $\infty \Omega$ (For terminal 1-5,2-6) - 0Ω (For terminal 5-7,6-8)
Work lamp	 <p>CL-5</p>	12V 55W (H3 TYPE)	※ Check disconnection Normal : 1.2Ω
Room lamp	 <p>CL-1</p>	12V 10W	※ Check disconnection Normal : A few Ω
Fuel filler pump	 <p>CL-21</p>	12V 35 l /min	※ Check operation Supply power(For terminal 1) : 12V
Horn	 <p>CN-20 CN-25</p>	12V	100±5dB
Safety switch	 <p>CS-4</p>	Micro	※ Check contact Normal : 0Ω (For terminal A-B) : $\infty \Omega$ (For terminal A-C) Operating : $\infty \Omega$ (For terminal A-B) : 0Ω (For terminal A-C)

Part name	Symbol	Specification	Check
Fuel cut-off	 CN-79	12V	※ Check operation Rated full current : 12V 33A Rated hold current : 12V 0.8A
Pressure switch	 CD-3 CD-26	10bar (N.C type)	※ Check contact Normal : 0.1 Ω
Beacon lamp	 CL-7	12V (Strobe type)	※ Check disconnection Normal : A few Ω
Light switch	 CS-21	12V 16A	※ Check contact Normal : ∞ Ω
Washer pump	 CN-22	12V 3.8A	※ Check contact Normal : 3 Ω (For terminal 1-2)
Cigar lighter	 CL-2	12V 10A 1.4W	※ Check coil resistance Normal : About 1MΩ ※ Check contact Normal : ∞ Ω Operating time : 5~15sec

Part name	Symbol	Specification	Check
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 CD-4 CD-38</p>	12V	※ Check contact Normal : 0 Ω
Starter	 <p>CN-45</p>	12V	※ Check contact Normal : 0.1 Ω
Alternator	 <p>CN-74</p>	12V 55A	※ Check contact Normal : 0 Ω (For terminal B+-1) Normal : 10 ~ 12.5V
Travel buzzer	 <p>CN-81</p>	12V	-

Part name	Symbol	Specification	Check
Compressor	 CN-28	12V 38W	-
Air con fan motor	 CN-83	12V 8.5A	-
Fuel feed pump	 CN-145	12V	-
Fusible link	 CN-60 CN-95	60A	※ Check disconnection Normal : 0 Ω (Connect ring terminal and check resist between terminal 1 and 2)
Rear combination lamp-LH.RH	 CL-15 CL-16	12V 21W × 2 12V 21/5W	※ Normal : 4.8 Ω (For terminal 1-4) Normal : 2.1 Ω (For terminal 2-4, 4-5, 4-6)
Front combination lamp-LH.RH	 CL-24 CL-25	12V 21W 12V 5W	※ Normal : 4.8 Ω (For terminal 1-2) Normal : 2.1 Ω (For terminal 2-3)

Part name	Symbol	Specification	Check
Head lamp -LH, RH	 <p>CL-3 CL-4</p>	12V 60/55W	※ Normal : 1.0Ω (For terminal 1-3, 2-3) Normal : 1.5Ω (For terminal 1-2)
Master switch		12V 1000A	-
Timer	 <p>CR-50</p>	12V	-
Preheater		12V 42A 500W	-
12V socket	 <p>CN-139</p>	12V 120W	-