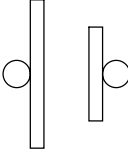
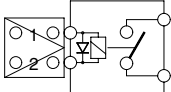
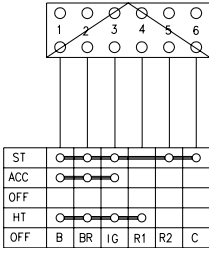
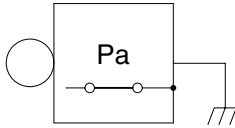
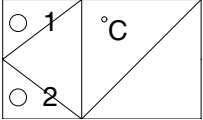
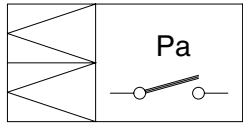
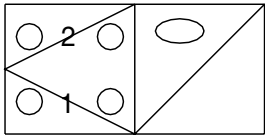
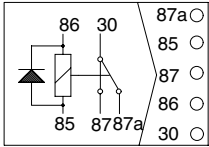
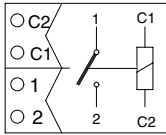
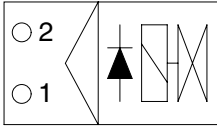
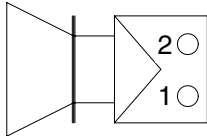
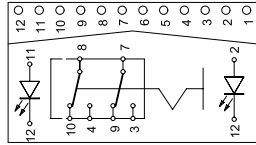
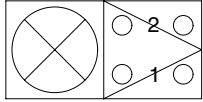
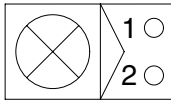
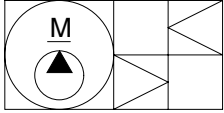
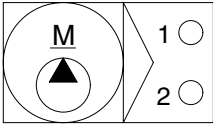
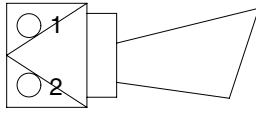
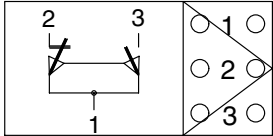
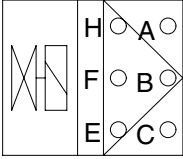

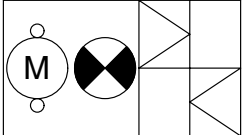
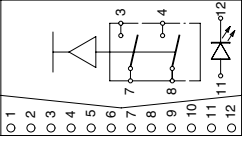
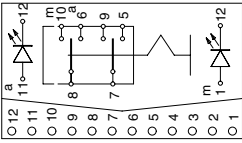


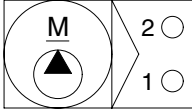
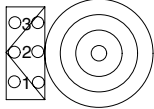
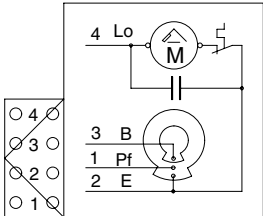
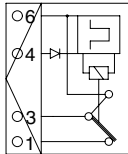
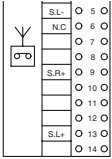
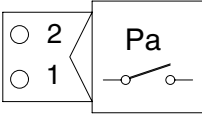
GROUP 4 ELECTRICAL COMPONENT SPECIFICATION

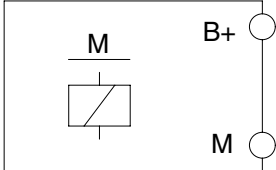
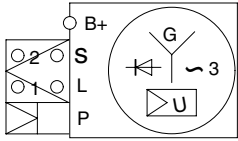
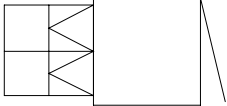
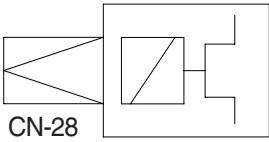
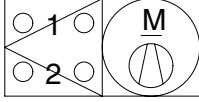
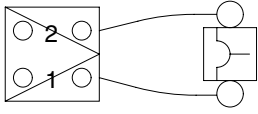
Part name	Symbol	Specification	Check
Battery		12V × 100Ah	※ Check specific gravity 1.280 over : Over charged 1.280 ~ 1.250 : Normal 1.250 below : Recharging
Battery relay	 <p style="text-align: center;">CR-1</p>	Rated load : 12V 100A (continuity) 1000A (30 second)	※ Check coil resistance Normal : about 12 Ω ※ Check contact Normal : ∞ Ω
Start key	 <p style="text-align: center;">CS-2</p>	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)	 <p style="text-align: center;">CD-18</p>	0.5 kgf/cm ² (N.C TYPE)	※ Check resistance Normal : 0 Ω (CLOSE)
Temperature sensor	 <p style="text-align: center;">CD-8</p>	-	※ Check resistance 50°C : 804 Ω 80°C : 310 Ω 100°C : 180 Ω

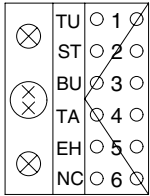
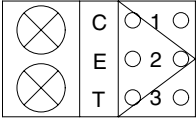
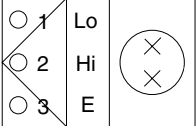
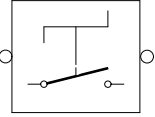
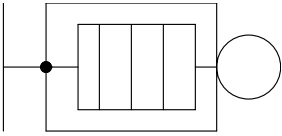
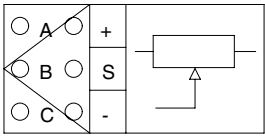
Part name	Symbol	Specification	Check
Air cleaner pressure switch	 CD-10	Pressure: 635mmH ₂ O (N.O TYPE)	※ Check contact Normal : ∞ Ω
Fuel sender	 CD-2	-	※ Check resistance Full : 100 Ω Low : 500 Ω Empty warning : 700 Ω
Relay	 CR-2 CR-3 CR-5 CR-6 CR-7 CR-9 CR-13 CR-14 CR-29 CR-30 CR-33 CR-36 CR-62 CR-65	12V 20A	※ Check resistance Normal : About 200 Ω (for terminal 85-86) : 0 Ω (for terminal 30-87a)
Relay	 CR-23 CR-24 CR-47	12V 60A	※ Rated coil current 1.2±0.3A
Solenoid valve	 CN-66 CN-68 CN-69 CN-70 CN-71 CN-121 CN-122 CN-123 CN-246	12V 1A	※ Check resistance Normal : 15~25 Ω (for terminal 1-2)
Speaker	 CN-23(LH) CN-24(RH)	4 Ω 20W	※ Check resistance Normal : 4 Ω

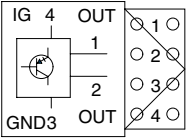
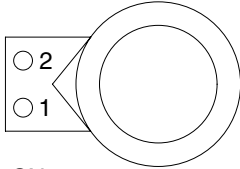
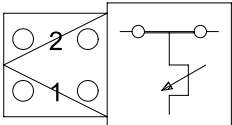
Part name	Symbol	Specification	Check
Switch (looking type)	 <p>CS-47 CS-67</p>	12V 16A	※ Check contact Normal OFF - $\infty \Omega$ (for terminal 1-5,2-6) - 0Ω (for terminal 5-7,6-8)
Work lamp	 <p>CL-5 CL-6 CL-9</p>	12V 55W (H3 TYPE)	※ Check disconnection Normal : 1.2Ω
Room lamp	 <p>CL-1</p>	12V 10W	※ Check disconnection Normal : A few Ω
Fuel filler pump	 <p>CN-61</p>	12V 35 l /min	※ Check operation Supply power(for terminal 1) : 12V
Fuel feed pump	 <p>CN-145</p>	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)
Cut-off solenoid	 <p>CN-79</p>	12V	※ Check operation.
Pressure sensor	 <p>CD-3 CD-4 CD-7 CD-26 CD-38</p>	8-30V	※ Check contact Normal : 0.1 Ω
Beacon lamp	 <p>CL-7</p>	12V (strobe type)	※ Check disconnection Normal : A few Ω
Auto cruise switch	 <p>CS-23</p>	12V 16A	※ Check contact Normal : ∞ Ω
Auto ram lock switch	 <p>CS-100</p>	12V 16A	※ Check contact Normal : 0 Ω

Part name	Symbol	Specification	Check
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
Wiper motor	 CN-21	12V 3A	※ Check contact Normal : 6 Ω (for terminal 2-6)
Int wiper relay	 CR-6	12V 12A	-
Cassette radio	 CN-27	12V 3A	※ Check voltage 10 ~ 12.5V (for terminal 10-14,11-14)
Receiver dryer	 CN-29	12V	※ Check contact Normal : 0 Ω

Part name	Symbol	Specification	Check
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	-
Compressor	 <p>CN-28</p>	12V 38W	-
Air con fan motor	 <p>CN-83</p>	12V 8.5A	-
Circuit breaker manual reset	 <p>CN-60 CN-95</p>	12V, 30A (CN-65) 12V, 60A (CN-95)	-

Part name	Symbol	Specification	Check
Rear combination lamp-LH,RH	 <p>CL-15 CL-16</p>	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	 <p>CL-24 CL-25</p>	12V 21W 12V 5W	※ Normal : 4.8 Ω (for terminal 1-2) Normal : 2.1 Ω (for terminal 2-3)
Head lamp -LH, RH	 <p>CL-3 CL-4</p>	12V 60/55W	※ Normal : 1.0 Ω (for terminal 1-3, 2-3) Normal : 1.5 Ω (for terminal 1-2)
Master switch		12V 1000A	-
Preheater	 <p>CN-80</p>	12V 42A 500W	-
Accel dial	 <p>CN-142</p>	-	※ Check resistance Normal : about 5K Ω (for terminal A-C) ※ Check voltage Normal : about 5V (for terminal A-C) : 2-4.5V (for terminal C-B)

Part name	Symbol	Specification	Check
Timer	 <p>CR-50</p>	12V	-
12V socket	 <p>CN-139</p>	12V 120W	-
Dust sensor (switch)		1°C OFF 4°C ON	※ Check resistance Normal : 0 Ω (for terminal 1-2) The atmosphere temp : over 4°C