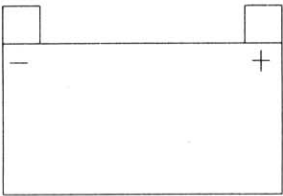
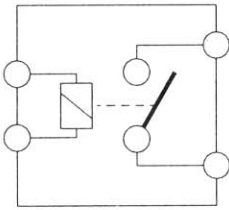
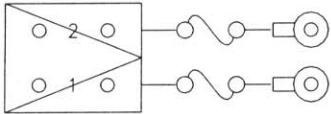
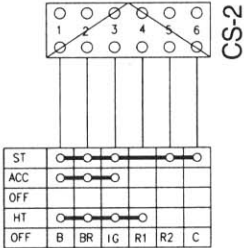
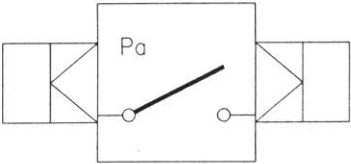
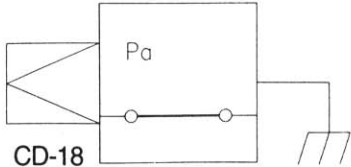
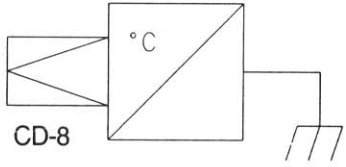
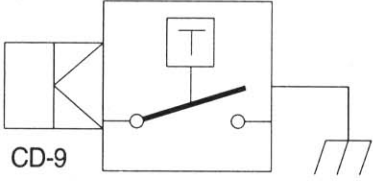
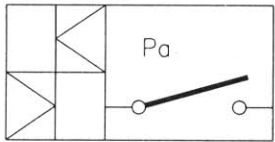
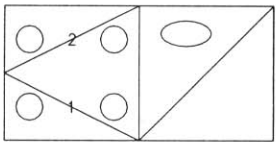
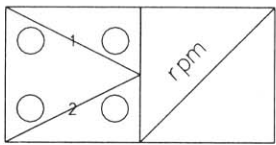
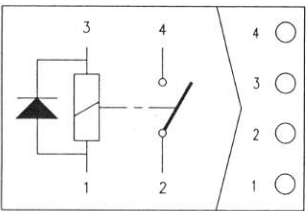
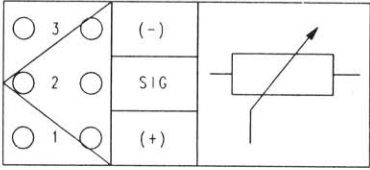
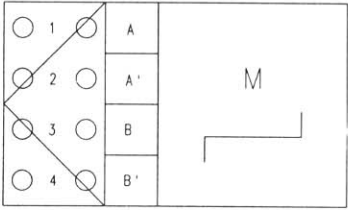
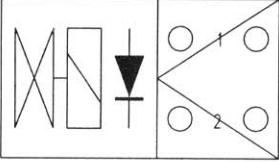
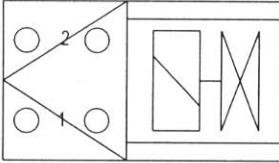
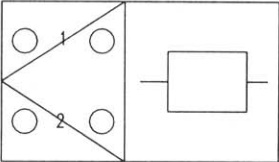
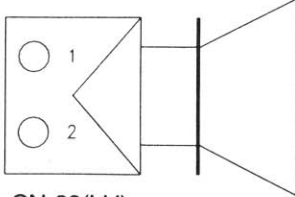
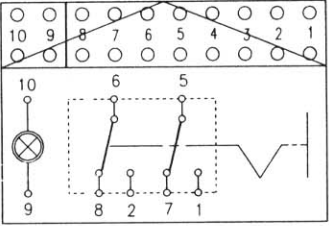
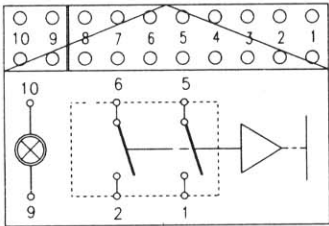
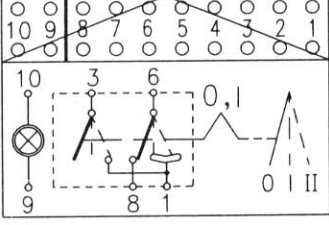
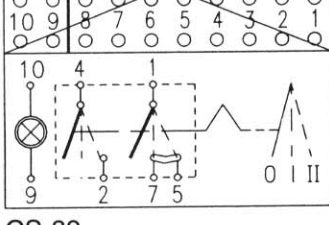
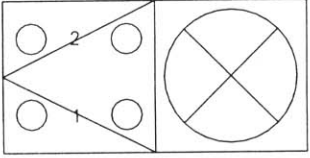
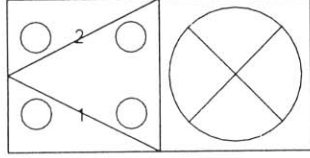


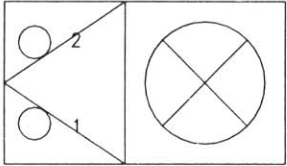
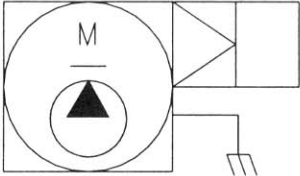
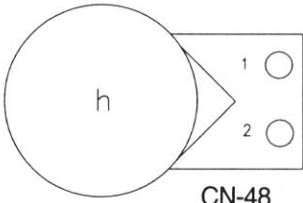
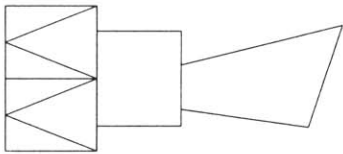
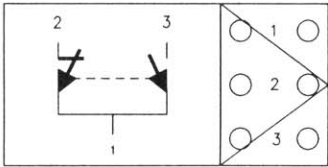
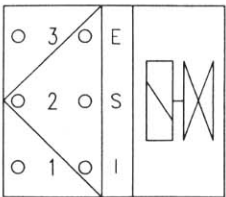
GROUP 4 ELECTRICAL COMPONENT SPECIFICATION

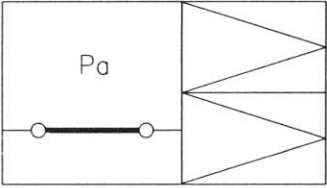
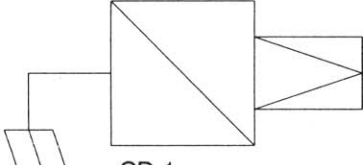
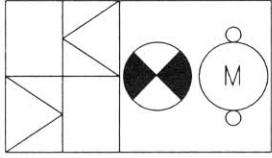
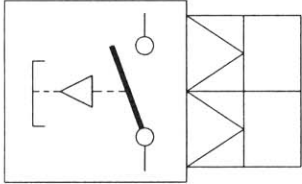
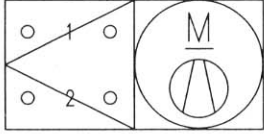
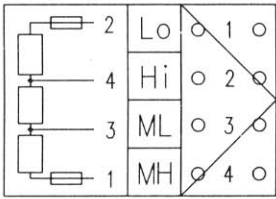
Part name	Symbol	Specifications	Check
Battery		12V × 160Ah (2EA)	※ Check specific gravity 1.280 over : Over charged 1.280 ~ 1.250 : Normal 1.250 below : Recharging
Battery relay	 <p style="text-align: center;">CR-1</p>	Rated load : 24V 100A(continuity) 1000A(30seconds)	※ Check coil resistance (M4 to M4) Normal : About 50 Ω ※ Check contact Normal : ∞ Ω
Fusible link	 <p style="text-align: center;">CN-60</p>	60A	※ Check disconnection Normal : About 0 Ω (connect ring terminal and check resistance between terminal 1 and 2)
Start key	 <p style="text-align: center;">CS-2</p>	24V 40A	※ 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 travel alarm)	 <p style="text-align: center;">CD-11~CD-14</p>	3 ~ 6 kg/cm ² (N. O TYPE)	※ Check contact Normal : ∞ (OPEN)
Pressure switch (for engine oil)	 <p style="text-align: center;">CD-18</p>	0.5 kg/cm ² (N. C TYPE)	※ Check resistance Normal : 0 Ω (CLOSE)

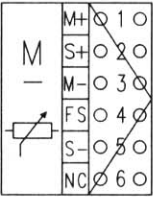
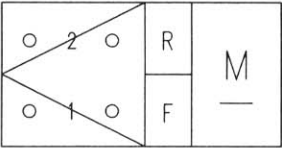
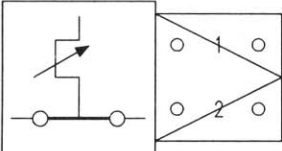
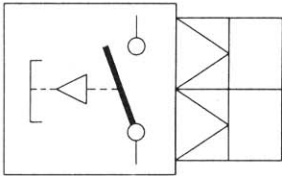
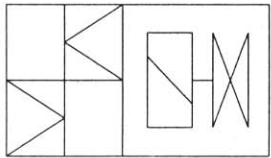
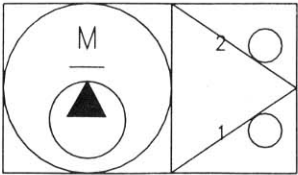
Part name	Symbol	Specifications	Check
Coolant temperature sensor	 <p>CD-8</p>	-	※ Check resistance 50°C : 153.9 Ω 80°C : 51.9 Ω 100°C : 27.4 Ω
Coolant overheat sensor	 <p>CD-9</p>	24V 0.5A	※ Check resistance Normal : ∞ Ω 105°C over : 0 Ω
Air cleaner pressure switch	 <p>CD-10</p>	Pressure:635mm H ₂ O (N.O TYPE)	※ Check contact Normal : ∞ Ω
Fuel sender	 <p>CD-2</p>	-	※ Check resist Full : 3 Ω 5/6 : 25 Ω 4/6 : 35 Ω 3/6 : 68 Ω 2/6 : 95 Ω 1/6 : 110 Ω Empty warning : 180 Ω
Tacho sensor	 <p>CD-17</p>	-	※ Check contact Normal : Max 0 ~ 3A
Relay	 <p>CR-2, CR-3, CR-13, AC RY1, AC RY2</p>	24V 20A	※ Check resistance Normal - About 200 Ω (for terminal 1-3) - ∞ Ω (for terminal 2-4)

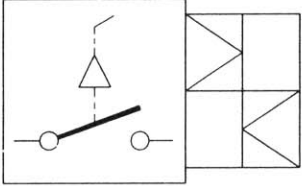
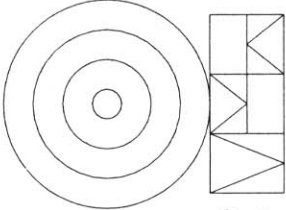
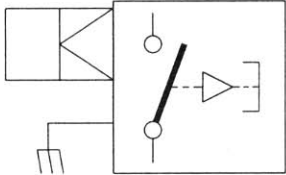
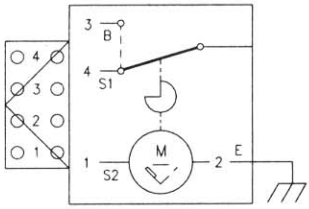
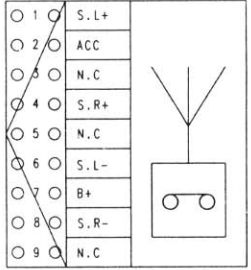
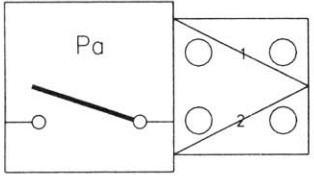
Part name	Symbol	Specifications	Check
Potentiometer	 <p>CN-77</p>	-	<p>※ Check resistance Normal - About 5 kΩ (for terminal 1-3) - 0.6 kΩ ~5 kΩ (for terminal 2-3)</p>
Governor motor	 <p>CN-76</p>	-	<p>※ Check resistance Normal - 5~6 Ω (for terminal 1-2) - 5~6 Ω (for terminal 3-4)</p>
Solenoid valve	 <p>CN-66, CN-68, CN-70, CN-88</p>	24V 1A	<p>※ Check resistance Normal - 15~25 Ω (for terminal 1-2)</p>
EPPR valve	 <p>CN-75</p>	700mA	<p>※ Check resistance Normal - 18~25 Ω (for terminal 1-2)</p>
Resistor	 <p>CN-47</p>	90 Ω 20W ± 5%	<p>※ Check resistance Normal - 50 Ω</p>
Speaker	 <p>CN-23(LH) CN-24(RH)</p>	4 Ω 20W	<p>※ Check resistance Normal - 50 Ω</p>

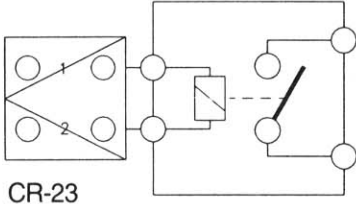
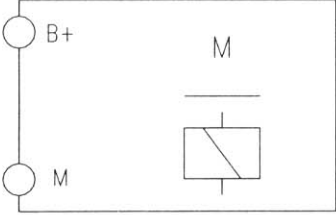
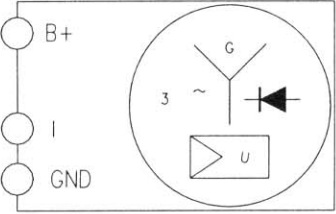
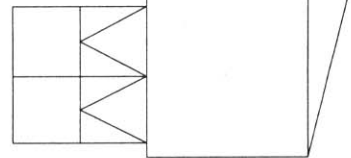
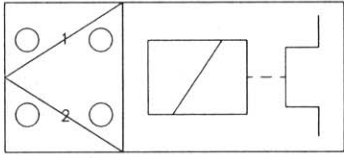
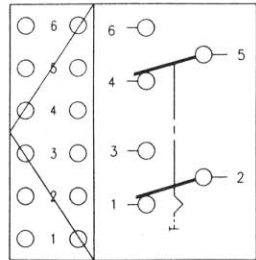
Part name	Symbol	Specifications	Check
Switch (Locking type)	 <p>CS-16,CS-23,CS-27,CS-50,CS-54</p>	24V 8A	※ Check contact Normal OFF - $\infty \Omega$ (for terminal 1-5,2-6) - 0Ω (for terminal 5-7,6-8)
Switch (Non-locking type)	 <p>CS-22</p>	24V 8A	※ Check contact Normal OFF - $\infty \Omega$ (for terminal 1-5,2-6) - 0Ω (for terminal 5-7,6-8)
Wiper & washer switch (Locking type)	 <p>CS-3</p>	24V 8A	※ Check contact Normal OFF - $\infty \Omega$ (for terminal 1-6) - 0Ω (for terminal 6-8)
Main light switch (Locking type)	 <p>CS-39</p>	24V 8A	※ Check contact Normal OFF - $\infty \Omega$ (for terminal 1-5,2-4)
Head lamp	 <p>CL-3, CL-4</p>	24V 70W (H3 TYPE)	※ Check disconnection Normal : 1.2Ω
Work lamp	 <p>CL-5, CL-6</p>	24V 70W (H3 TYPE)	※ Check disconnection Normal : 1.2Ω

Part name	Symbol	Specifications	Check
Room lamp	 <p>CL-1</p>	24V 10W	<ul style="list-style-type: none"> ※ Check disconnection Normal : a few Ω
Fuel filler pump	 <p>CN-61</p>	24V 10A 35 l /min	<ul style="list-style-type: none"> ※ Check operation · Supply power(24V) to terminal 1 pin · Connect ring terminal with ground and switch turn ON.
Hour meter	 <p>CN-48</p>	-	<ul style="list-style-type: none"> ※ Check operation · Supply power(24V) to terminal NO. 2 and connect terminal NO. 1 and ground.
Horn	 <p>CN-20, CN-25</p>	DC 22.0 ~ 28.0V 2A	<ul style="list-style-type: none"> ※ Check operation · Supply power(24V) to each terminal and connect ground.
Safety switch	 <p>CS-4</p>	24V 15A (N.C TYPE)	<ul style="list-style-type: none"> ※ Check contact Normal - 0 Ω (for terminal 1-2) <li style="padding-left: 20px;">- ∞ Ω (for terminal 1-3) Operating - ∞ Ω (for terminal 1-2) <li style="padding-left: 20px;">- 0 Ω (for terminal 1-3)
Fuel cut-off	 <p>CN-79</p>	24V 25A	<ul style="list-style-type: none"> ※ Check resistance Normal - 15 ~ 25 Ω

Part name	Symbol	Specifications	Check
Auto idle pressure switch	 <p>CD-6, CD-7</p>	10bar (N.C type)	※ Check contact Normal - 0.1 Ω
Hydraulic temperature	 <p>CD-1</p>	-	※ Check resistance 50°C : 153.9 Ω 80°C : 51.9 Ω 100°C : 27.4 Ω 120°C : 16.1 Ω
Beacon lamp	 <p>CL-7</p>	24V 70W	※ Check disconnection Normal : 1.1 Ω
Power boost switch	 <p>CS-29</p>	24V 15A	※ Check contact Normal : 15M Ω
Blower		24V	※ Check contact 1st stage(Low) : 0.2 Ω 2nd stage(ML) : 0.4 Ω 3rd stage(MH) : 0.3 Ω 4th stage(High) : 0.2 Ω
Aircon resistor		24V ~ 28V	※ Check resistance Normal - 1.9 Ω (for terminal 1-3) - 5.4 Ω (for terminal 2-5) - 5.7 Ω (for terminal 4-5)

Part name	Symbol	Specifications	Check
Mode actuator & Temp actuator		9 ~ 16V 300mA MAX.	※ Check resistance Normal - 1.9 Ω (for terminal 1-3) - 5.4 Ω (for terminal 2-5) - 5.7 Ω (for terminal 4-5)
Intake actuator		12V	※ Check resistance Normal - 2.0 Ω (for terminal 1-2)
Thermostat		24V	※ Working temperature of contact point : AC ON → 4.5°C AC OFF → 1.5°C Differential of temperature → 3°C Rated input volt : 24V
Horn switch	 CS-5	24V 6A	※ Check contact Normal : 15 M Ω
Ether	 CN-78	24V 15A	※ Check contact Normal : 1.1 Ω
Washer tank	 CN-22	24V 3.8A	※ Check contact Normal : 10.7 Ω (for terminal 1-2)

Part name	Symbol	Specifications	Check
Pedal switch	 <p>CS-26</p>	24V 15A	※ Check contact Normal ON : 0 Ω (for terminal)
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 dryer	 <p>CN-29</p>	24V 2.5A	※ Check contact Normal : 0 Ω

Part name	Symbol	Specifications	Check
Start relay	 <p>CR-23</p>	24V 300A	※ Check contact Normal : 0.94 Ω (for terminal 1-2)
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 ⁺ - 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>	24 ~ 150V 15A	※ Check contact Normal : 0.2 Ω (for terminal 1-2) Emergency : 1.2 Ω (for terminal 2-3) : 5.2 Ω (for terminal 2-6) : 0 Ω (for terminal 5-6)