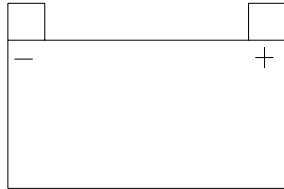
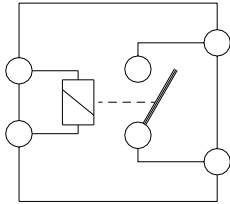
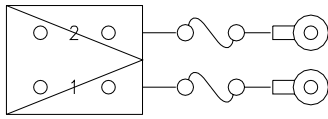
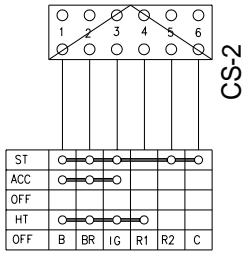
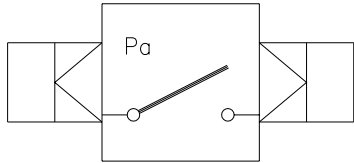
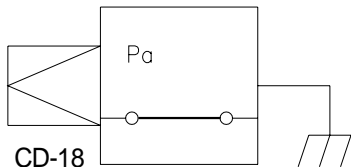
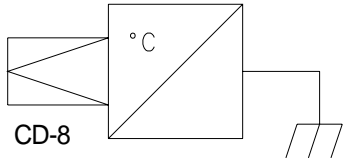
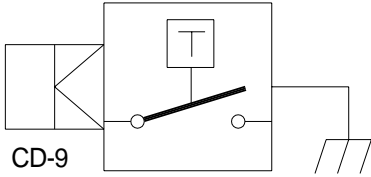
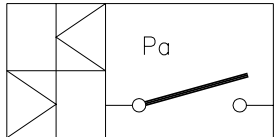
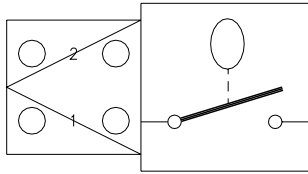
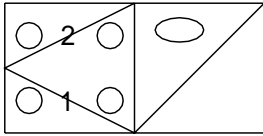
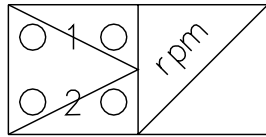
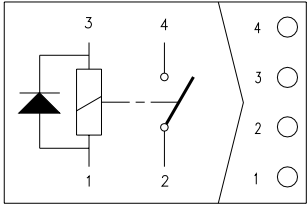
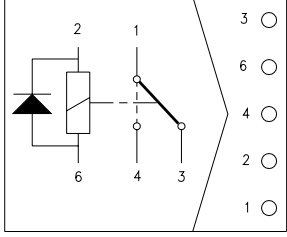
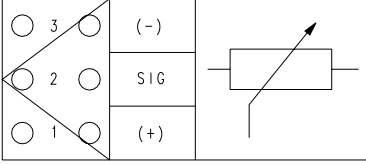
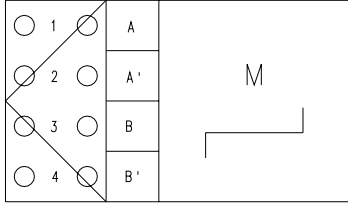
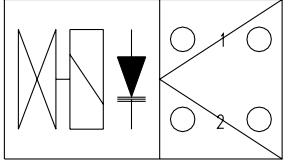
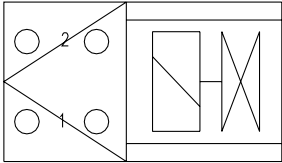
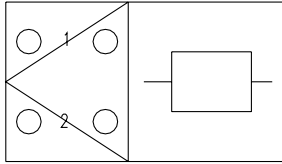
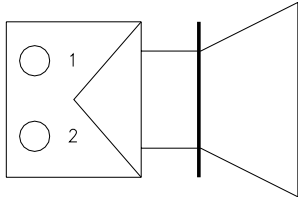
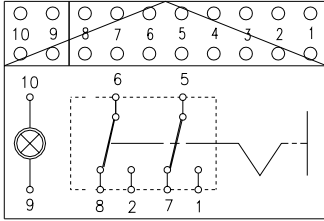
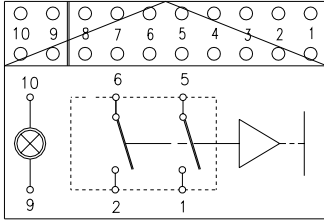
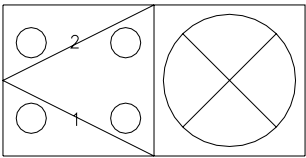
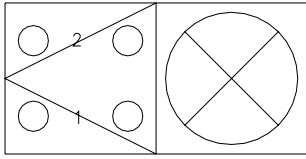


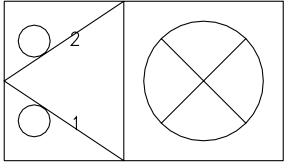
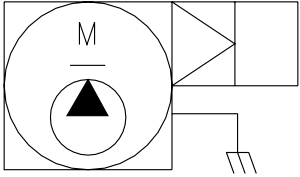
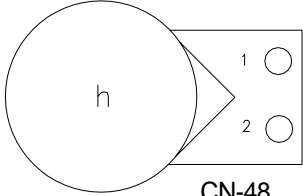
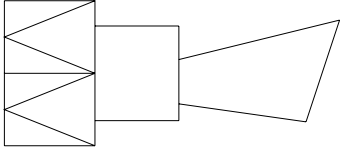
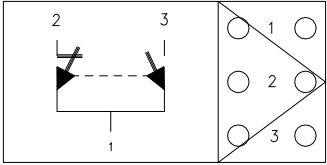
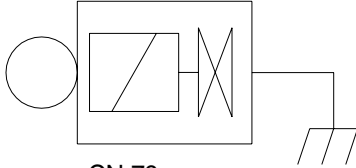
GROUP 4 ELECTRICAL COMPONENT SPECIFICATION

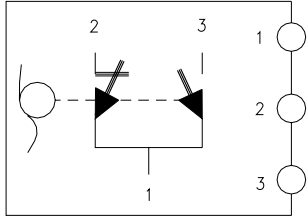
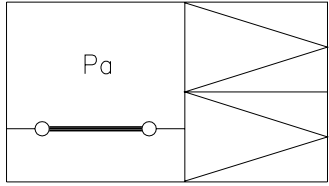
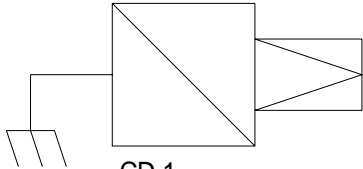
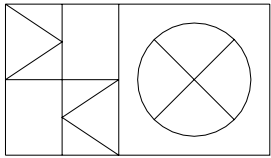
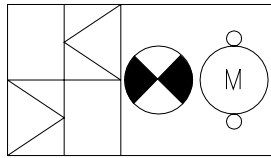
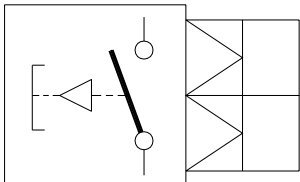
Part name	Symbol	Specifications	Check
Battery		12V × 160Ah (2EA)	※ Check specific gravity 1.280 over : over charged 1.280 ~ 1.250 : normal 1.250 below : recharging
Battery relay	 <p style="text-align: center;">CR-1</p>	Rated load : 24V 100A(continuity) 1000A(30seconds)	※ Check coil resist (M4 to M4) 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 resist 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 CD-24, CD-34~CD-36</p>	3 ~ 6kg/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 resist Normal : 0 Ω (CLOSE)

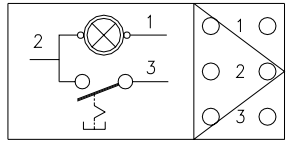
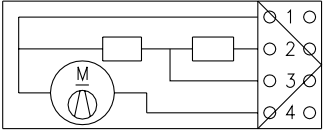
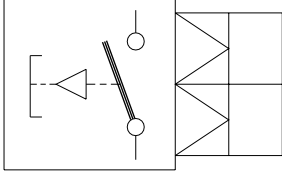
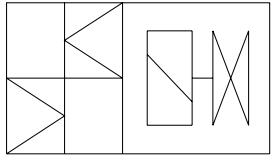
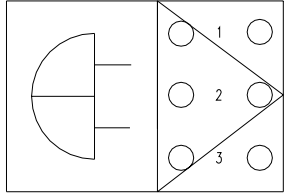
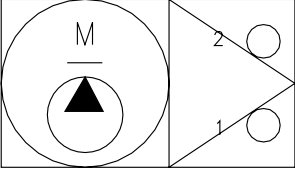
Part name	Symbol	Specifications	Check
Coolant temperature sensor	 <p>CD-8</p>	-	※ Check resist 50°C : 153.9Ω 80°C : 51.9Ω 100°C : 27.4Ω
Coolant overheat sensor	 <p>CD-9</p>	24V 0.5A	※ Check resist Normal : ∞Ω 105°Cover : 0Ω
Air cleaner pressure switch	 <p>CD-10</p>	Pressure:635mm H ₂ O (N.O TYPE)	※ Check contact Normal : ∞Ω
Coolant level sensor	 <p>CD-16</p>	24V 0.5A	※ Check contact High level : ∞Ω Low level : 0Ω
Fuel sender	 <p>CD-2</p>	-	※ Check resist Full : 3Ω 5/6 : 25Ω 4/6 : 35Ω 3/6 : 68Ω 2/6 : 95Ω 1/6 : 110Ω Empty warning :180Ω
Tacho sensor	 <p>CD-17</p>	-	※ Check contact Normal : Max 0 ~ 3A

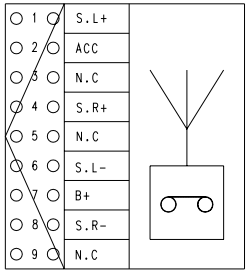
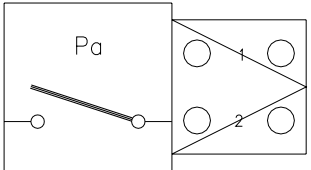
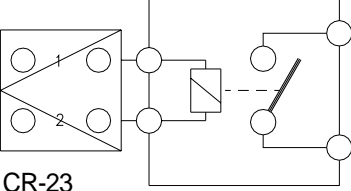
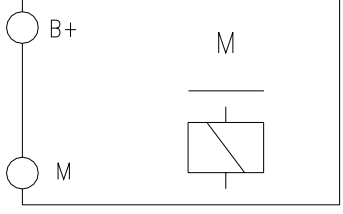
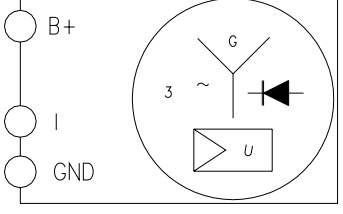
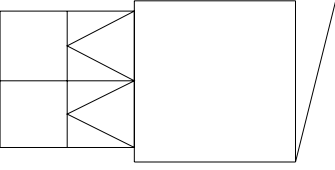
Part name	Symbol	Specifications	Check
Relay	 <p>CR-2, CR-3, CR-7, CR-9, CR-13</p>	24V 20A	※ Check resist Normal - About 200Ω (for terminal 1-3) - ∞Ω (for terminal 2-4)
Relay		24V 16A	※ Check resist Normal - About 160Ω (for terminal 2-6) - 0Ω (for terminal 1-3) - ∞Ω (for terminal 1-4)
Potentiometer	 <p>CN-77</p>	-	※ Check resist Normal - About 5kΩ (for terminal 1-3) - 0.6kΩ~5kΩ (for terminal 2-3)
Governor motor	 <p>CN-76</p>	-	※ Check resist Normal - 5~6Ω (for terminal 1-2) - 5~6Ω (for terminal 3-4)
Solenoid valve	 <p>CN-66, CN-68, CN-70, CN-87, CN-88, CN-89</p>	24V 1A	※ Check resist Normal - 15~25Ω (for terminal 1-2)
EPPR valve	 <p>CN-75</p>	700mA	※ Check resist Normal - 18~25Ω (for terminal 1-2)

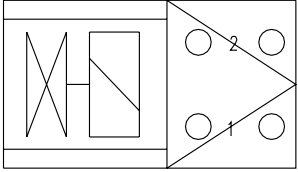
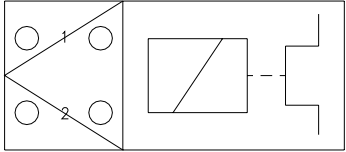
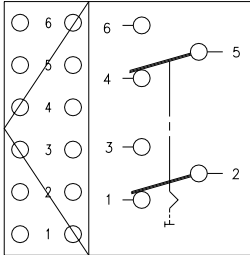
Part name	Symbol	Specifications	Check
Resistor	 <p>CN-47</p>	90 Ω 20W ± 5%	※ Check resist Normal - 50 Ω
Speaker	 <p>CN-23(LH) CN-24(RH)</p>	4 Ω 20W	※ Check resist Normal - 50 Ω
Switch (Looking type)		24V 8A	※ Check contact Normal ON - 0 Ω (for terminal 1-5,2-6) - ∞ Ω (for terminal 5-7,6-8) OFF - ∞ Ω (for terminal 1-5,2-6) - 0 Ω (for terminal 5-7,6-8)
Switch (Non-looking type)		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, CL-4</p>	24V 70W (H3 TYPE)	※ Check disconnection Normal : 1.2 Ω
Work lamp	 <p>CL-5, CL-6</p>	24V 70W (H3 TYPE)	※ Check disconnection Normal : 1.2 Ω

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) - $\infty \Omega$ (for terminal 1-3) Operating - $\infty \Omega$ (for terminal 1-2) - 0 Ω (for terminal 1-3)
Fuel cut-off	 <p>CN-79</p>	24V 25W	<ul style="list-style-type: none"> ※ Check resist Normal - 15 ~ 25 Ω

Part name	Symbol	Specifications	Check
Overload sensor	 <p>CD-37</p>		※ Check contact Normal - 4.14 Ω (for terminal 1-2) - 0 Ω (for terminal 1-3) - 0 Ω (for terminal 2-3)
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 resist 50°C : 153.9 Ω 80°C : 51.9 Ω 100°C : 27.4 Ω 120°C : 16.1 Ω
Cab lamp	 <p>CL-8 ~ CL-10</p>	24V 60W	※ Check disconnection Normal : 2.2 Ω
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

Part name	Symbol	Specifications	Check
Air conditioner switch	 <p>CN-32</p>	24V	※ Check contact Intake switch : 2.97 Ω
Blower	 <p>CN-31</p>	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
Horn switch	 <p>CS-5</p>	24V 6A	※ Check contact Normal : 15 MΩ
Ether	 <p>CN-78</p>	24V 15A	※ Check contact Normal : 1.1 Ω
Buzzer	 <p>CN-26</p>	24V 0.3A	※ Check contact Normal : 4.65 Ω (for terminal 2-3)
Washer tank	 <p>CN-22</p>	24V 3.8A	※ Check contact Normal : 10.7 Ω (for terminal 1-2)

Part name	Symbol	Specifications	Check
Cassette radio		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		24V 2.5A	※ Check contact Normal : 0 Ω
Start relay		24V 300A	※ Check contact Normal : 0.94 Ω (for terminal 1-2)
Starter		DELCO REMY 28MT 24V	※ Check contact Normal : 0.1 Ω
Alternator		24V 60A	※ Check contact Normal : 0 Ω (for terminal B+ - I) Normal : 24 ~ 27.5V
Travel alarm		24V 0.5A	※ Check contact Normal : 5.2 Ω

Part name	Symbol	Specifications	Check
Swing Eppr valve	 <p>CN-124</p>	700mA	※ Check contact Normal : 700mA (for terminal 1-2)
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) : 5.2 Ω (for terminal 2-6) : 0 Ω (for terminal 5-6)