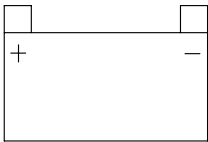
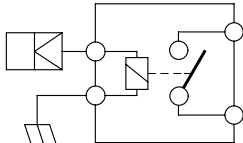
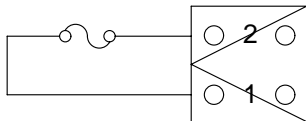
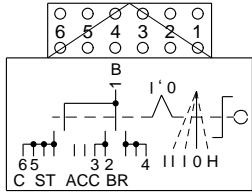
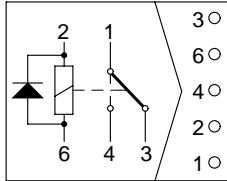
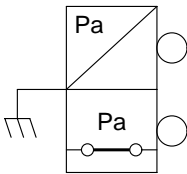
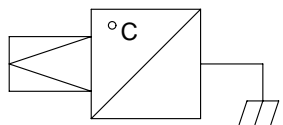
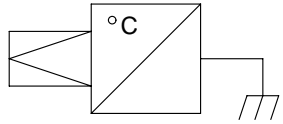
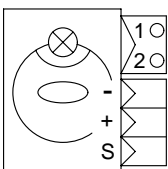
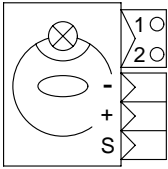
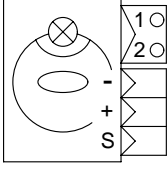
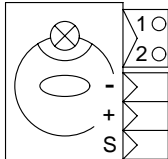
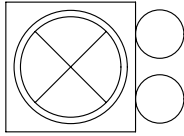
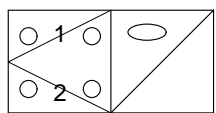
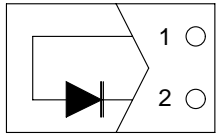
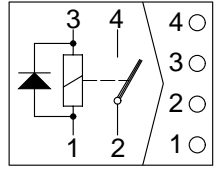
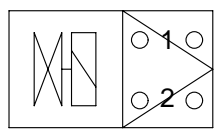
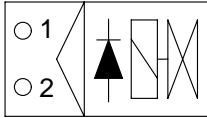
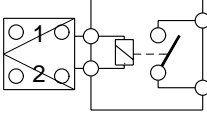
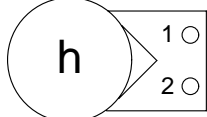
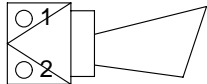

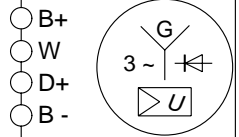


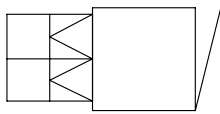
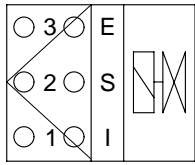
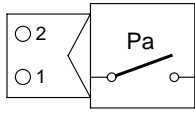
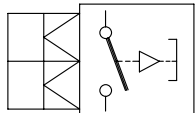
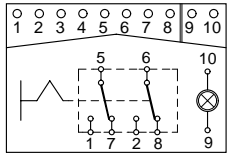
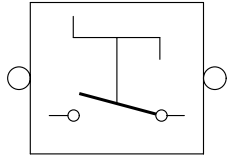
GROUP 5 ELECTRICAL COMPONENT SPECIFICATION

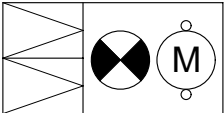
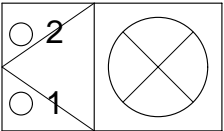
Part name	Symbol	Specifications	Check
Battery		12V × 72Ah (2EA)	※ Check specific gravity 1.280 Over : Over charged 1.280 ~ 1.250 : Normal 1.250 Below : Recharging
Pre-heater relay	 CR-24	Rated load : 24V 100A(Continuity) 1000A(30sec)	※ Check coil resistance Normal : About 50 Ω ※ Check contact Normal : ∞ Ω
Fusible link	 CN-7	45A	※ Check disconnection Normal : About 0 Ω (Connect ring terminal and check resistance between terminal 1 and 2)
Start key	 CS-2	24V 40A	※ Check contact OFF : ∞ Ω (For each terminal) ON : 0 Ω (For terminal 1-3, 1-2) START : 0 Ω (For terminal 1-5)
Relay(5pin)	 CR-50	20~32V 16A	※ Check contact Normal : About 500 Ω (For terminal 2-6) : 0 Ω (For terminal 1-3) : ∞ Ω (For terminal 1-4)

Part name	Symbol	Specifications	Check
Pressure sender switch (For engine oil)	<p>CD-39</p>  <p>CD-18</p>	-	<p>※ Sender</p> <p>0 bar : $10^{+3}_{-5} \Omega$</p> <p>1 bar : $48 \pm 4 \Omega$</p> <p>2 bar : $82 \pm 4 \Omega$</p> <p>3 bar : $116 \pm 5 \Omega$</p>
Temperature sensor (Coolant)	 <p>CD-8</p>	-	<p>※ Check resistance</p> <p>90°C : 51.2Ω</p> <p>100°C : 38.5Ω</p>
Temperature sensor (Transmission)	 <p>CD-29</p>	-	<p>※ Check resistance</p> <p>60°C : 221.2Ω</p> <p>120°C : 36.5Ω</p>
Temperature gauge (Coolant)	 <p>CN-117</p>	-	<p>※ Check resistance</p> <p>90°C : 51.2Ω</p> <p>100°C : 38.5Ω</p>
Temperature gauge (Transmission)	 <p>CN-119</p>	-	<p>※ Check resistance</p> <p>60°C : 221.2Ω</p> <p>120°C : 36.5Ω</p>
Fuel gauge	 <p>CN-106</p>	-	<p>※ Check resistance</p> <p>Full : 0.3Ω</p> <p>7/8 : 10Ω</p> <p>5/8 : 30Ω</p> <p>3/8 : 46Ω</p> <p>1/8 : 65Ω</p> <p>Empty warning : 75Ω</p>

Part name	Symbol	Specifications	Check
Pressure gauge (For engine oil)	 CN-151	-	※ Sender 0 bar : $10^{+3}_{-5} \Omega$ 1 bar : $48 \pm 4 \Omega$ 2 bar : $82 \pm 4 \Omega$ 3 bar : $116 \pm 5 \Omega$
Warning lamp (Battery charge, parking)	 CL-44, CL-46	24V 2W	-
Fuel sender	 CD-2	-	※ Check resistance Full : 0.3Ω 7/8 : 10Ω 5/8 : 30Ω 3/8 : 46Ω 1/8 : 65Ω Empty warning : 75Ω
Diode	 DO-1	-	-
Relay(4pin)	 CR-3, CR-5, CR-40	24V 20A	※ Check resistance Normal : About 200Ω (For terminal 1-3) : $\infty \Omega$ (For terminal 2-4)
Solenoid valve (Parking)	 CN-71	24V 0.75A	※ Check resistance Normal : About 32Ω (For terminal 1-2)

Part name	Symbol	Specifications	Check
Solenoid valve	 CN-122, CN-123 CN-128, CN-129	24V MAX 1.5A	※ Check resistance Normal : 15~25 Ω (For terminal 1-2)
Start relay	 CR-23	24V 300A	※ Check contact Normal : 0.94 Ω (For terminal 1-2)
Hour meter	 CN-48	-	※ Check operation Supply power(24V) to terminal(+) and connect terminal(-) to ground.
Horn	 CN-20, CN-25	DC 22.0~28.0V 2A	※ Check operation Supply power(24V) to each terminal and connect ground.
Starter	 CN-45	DELCO REMY 28MT 24V	※ Check contact Normal : 0.1 Ω
Alternator	 CN-74	24V 45A	※ Check contact Normal : 0 Ω (For terminal B+ - I) Normal : 24~27.5V

Part name	Symbol	Specifications	Check
Travel alarm	 <p>CN-65</p>	24V 0.5A	※ Check contact Normal : 5.2 Ω
Fuel cut-off	 <p>CN-79</p>	24V 25A	※ Check resistance Normal : 15~25 Ω
Pressure switch (Travel)	 <p>CD-32</p>	DC 5V 10mA~100mA (N.O TYPE)	※ Check contact Normal : 100M Ω
Horn switch	 <p>CS-5</p>	24V 15A	※ Check contact Normal : 15M Ω
Switch (Locking type)	 <p>CS-17, CS-21, CS-23</p>	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)
Master switch		6~36V 180A	・ Continuous capacity(1000A)

Part name	Symbol	Specifications	Check
Beacon lamp	 <p>CL-7</p>	24V 70W	※ Check disconnection Normal : 1.1 Ω
Work lamp	 <p>CL-5, CL-6, CL-22</p>	24V 70W (H3 TYPE)	※ Check disconnection Normal : 1.2 Ω (For terminal 1-2)