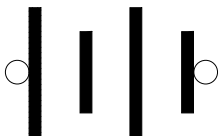
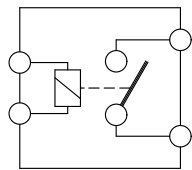
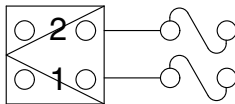
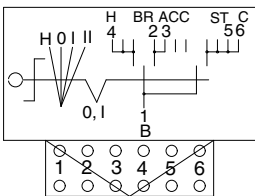
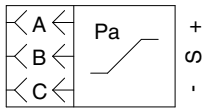
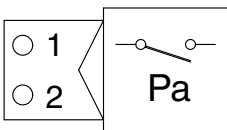
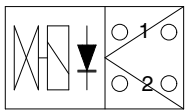
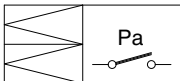
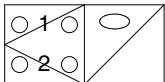
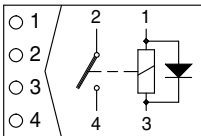
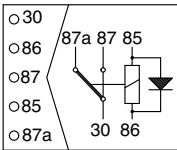
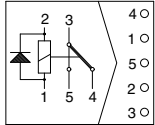
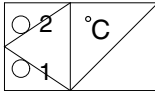
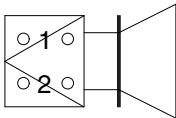
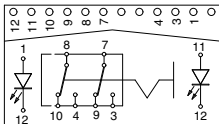
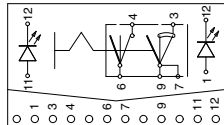
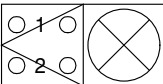
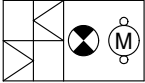
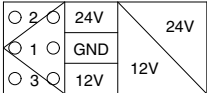
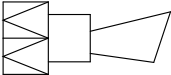
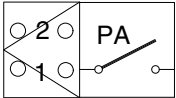
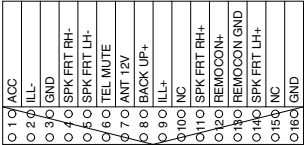
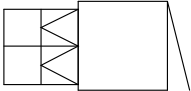


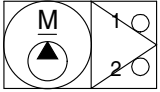
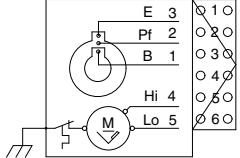
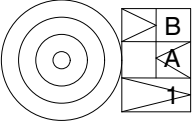
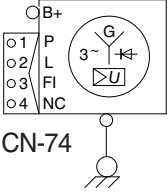
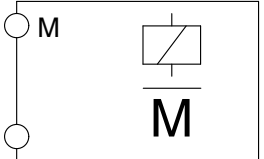
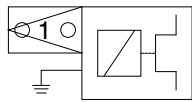
GROUP 3 ELECTRICAL COMPONENT SPECIFICATION

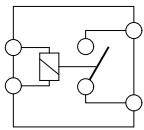
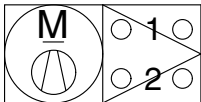
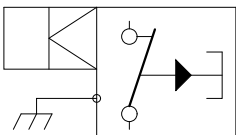
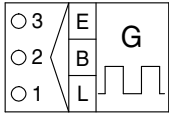
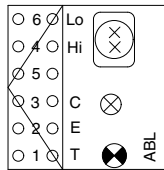
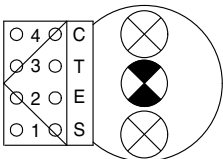
Part name	Symbol	Specifications	Check item
Battery		12V × 220Ah (2EA)	Gravity 1.280 over : over charged 1.280 ~ 1.250 : normal 1.250 below : discharged
Battery relay	 CR-1	Rated load : 24V 100A (continuity) 1000A (30seconds)	Coil resistance broken : approx 50Ω connected : ∞Ω
Fusible link	 CN-60	24V 60A	Resistance between ring terminal and each connector pin 0Ω : normal
Start key	 CS-2	B-BR : 24V 1A B-ACC : 24V 10A B-ST : 20V 40A	Resistance between each pin Key off : ∞Ω (for each pin) Key on : 0Ω (for pin 1-2 & 1-3) Start : 0Ω (for pin 1-5)
Pressure sensor	 CD-3 CD-26 CD-39 CD-40	-	Voltage pin A,B : 12V pin B,C : 1~5V
Pressure switch	 CD-48	N.O Type	Resistance ∞Ω : normal (open)

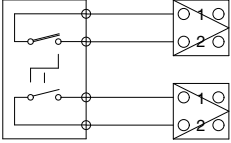
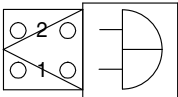
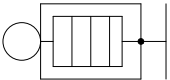
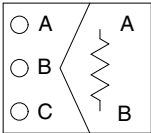
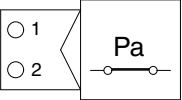
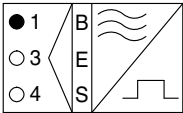
Part name	Symbol	Specifications	Check item
Parking brake solenoid	 CN-71	24V 1A	Resistance normal : 15~25Ω
Air cleaner pressure switch	 CD-10	Max load : 6W N.O Type	Resistance ∞Ω : normal (open)
Ride control valve / Fan solenoid	 CN-136 CN-154 CN-155	24V 1.2A	※ Check LED lamp ※ Check resistance about 24Ω
Fuel sender	 CD-2	-	Resistance at fuel levels full level : 200Ω 9/12 level : 500Ω 6/12 level : 800Ω 3/12 level : 1100Ω empty : 1300Ω
Relay (4pin)	 AC RY(H1)	24V 20A	Resistance at normal position about 200Ω between pin 1-3 ∞Ω between pin 2-4
Relay (5pin)	 CR-5 CR-25 CR-35 CR-37 CR-40 CR-41 CR-46 CR-59 CR-60	24V 20A	Resistance normal : about 160Ω (for pin 85~86) 0Ω (for pin 30~87) ∞Ω (for pin 30~87)

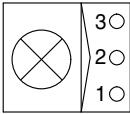
Part name	Symbol	Specifications	Check item
Relay (5 pin)	 CR-2 CR-7 CR-38 CR-60 CR-3 CR-26 CR-55 CR-63 CR-4 CR-36 CR-58 CR-59	24V 20A	Resistance normal : about 160Ω (for pin 1~2) 0Ω (for pin 3~4) ∞Ω (for pin 3~5)
Hydraulic, converter temperature	 CD-1 CD-49	—	Resistance normal : ∞Ω 105. C over : 0Ω
Speaker	 CN-23(LH) CN-24(RH)	4Ω 20W	Resistance normal : 4Ω
Switch (Locking type)	 CS-4 CS-23 CS-76 CS-17 CS-41 CS-82	24V 8A	Resistance at switch off position ∞Ω between pin 1-5 and 2-6 0Ω between pin 5-7 and 6-8
Switch (Non-locking type)	 CS-21 CS-35 CS-36	24V 8A	Resistance at switch off position ∞Ω between pin 1-5 and 2-6 0Ω between pin 5-7 and 6-8
Work lamp, Room lamp, Numbaer plate lamp	 CL-1 CL-21 CL-32 CL-36 CL-5 CL-22 CL-33 CL-6 CL-23 CL-35	Work lamp 24V 70W Number plate lamp 24V 10W Room lamp 24V 10W	Resistance normal : 1.2Ω

Part name	Symbol	Specifications	Check item
Beacon lamp	 CL-7	24V 70W (H1 TYPE)	Resistance normal : 1.1Ω
DC/DC Converter	 CN-138	12V 3A	Resistance 8.8Ω (for pin A-B) 7.7Ω (for pin B-C)
Horn	 CN-20 CN-25	24V 2A	Operation by external power source - connect 24V power to (+) terminal - ground the (-) terminal
Receiver dryer	 CN-29	24V 2.5A	Resistance 0Ω : 2.1±0.3~27±2kgf/cm ² ∞Ω : ~2.1±0.3, 27±2~kgf/cm ²
Radio & USB player	 CN-27	24V 20W+20W	Resistance Power ON : 4Ω+4Ω (for pin 1-6, 4-8)
Back up buzzer	 CN-65	24V 0.5A 110dB	Resistance normal : 5.2Ω

Part name	Symbol	Specifications	Check item
Washer pump	 CN-22 (FR) CN-103 (RR)	24V 2.5A	Resistance normal : 26.4 Ω (for pin1-2)
Wiper motor	 CN-21 (FR) CN-102 (RR)	24V 1.5A 2-speed Auto parking	-
Cigar lighter	 CL-2	24V 5A 1.4W	Coil resistance normal : about 1MΩ
Alternator	 CN-74	24V 70A	Voltage normal : 24~28V
Starter	 CN-45	Delco Remy 39MT 24V-7.8kW	Operating or not
Aircon compressor	 CN-28	24V 79W	Resistance normal : 13.4Ω

Part name	Symbol	Specifications	Check item
Start relay	 CR-23 CR-39	24V 300A	Coil resistance normal : 1-2Ω Switch connection ∞Ω at normal open position 0Ω when engaged
Blower		24V 9.5A	Resistance at each switch position normal : 0.5-2Ω
Door switch	 CS-1	24V 2W	Resistance normal : about 5MΩ
Flasher unit	 CR-11	24V 85 ~ 190 C/M 50dB	-
Head lamp	 CL-3 CL-4	24V 75W/70W (H4 TYPE) 24V 4W (T4W)	Resistance normal : a fewΩ
Combi lamp (rear)	 CL-15 CL-16	24V 5W (R5W) 2×24V 21W (P21W)	-

Part name	Symbol	Specifications	Check item
Master switch	 CS-74	Continuous capacity : 180Amp Push in capacity : 1000Amp	-
Warning buzzer	 CN-26	24V 200mA $90 \pm 5\text{dB}$ (ℓ m)	-
Preheater	 CN-80	24V 200A	Resistance 0.25~0.12Ω
Resistor	 CN-244	4W	Resistance A - B : 120Ω
Pressure switch	 CD-18	N.C Type	Resistance 0Ω : normal (close)
Proximate switch	 CN-100 CN-101	24V 400mA	

Part name	Symbol	Specifications	Check item
Room lamp	 CL-1	24V 10W	Check disconnection Normal : 1.0Ω ON : 0Ω (For teminal 1-2) ∞Ω (For teminal 1-3) OFF : ∞Ω (For teminal 1-2) 0Ω (For teminal 1-3)