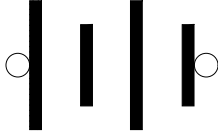
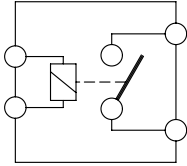
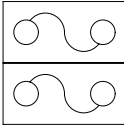
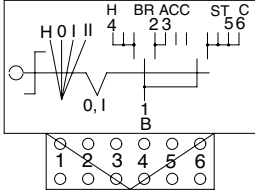
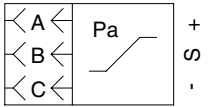
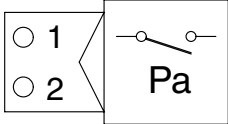
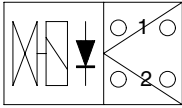
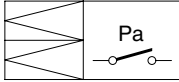
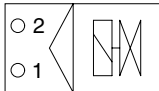
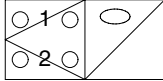
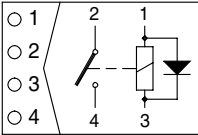
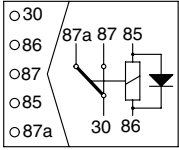
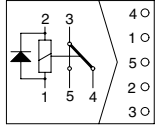
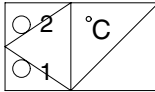
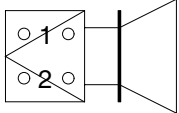
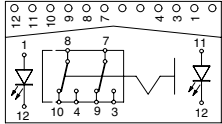
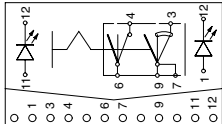
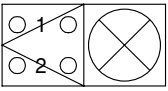
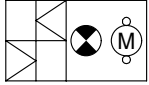
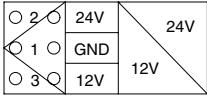
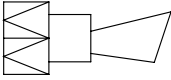
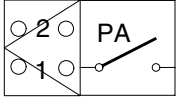
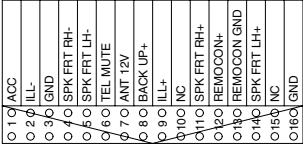
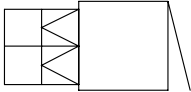


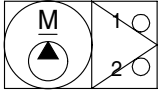
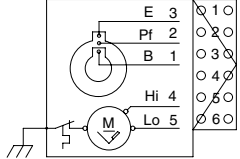
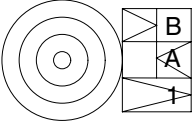
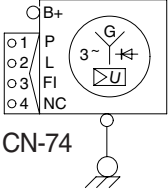
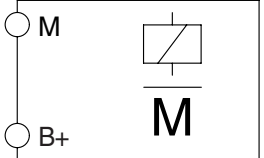
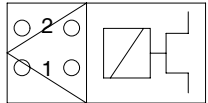
GROUP 4 ELECTRICAL COMPONENT SPECIFICATION

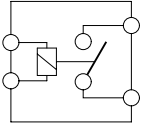
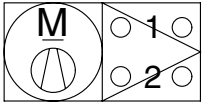
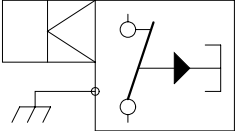
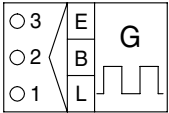
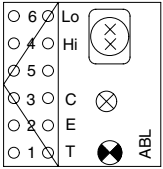
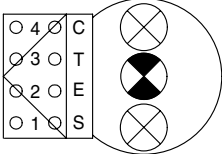
| Part name | Symbol | Specifications | Check item |
|--------------------------------------|--|--|--|
| Battery |  | 12V × 220Ah (2EA) | Gravity 1.280 over : over charged 1.280 ~ 1.250 : normal 1.250 below : discharged |
| Battery relay |  CR-1 | Rated load : 24V 100A (continuity) 1000A (30seconds) | Coil resistance broken : approx 50 Ω connected : ∞ Ω |
| Fusible link |  CN-60 (40A) CN-95 (80A) | 24V | Resistance between ring terminal and each connector pin 0 Ω : 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 : 0 Ω (for pin 1-2 & 1-3) Start : 0 Ω (for pin 1-5) |
| Pressure sensor |  CD-3 CD-26 CD-39 CD-40 CD-79 | - | Voltage Pin A, B : 24V Pin B, C : 1~5V |
| Pressure switch (filter restriction) |  CD-48 | N.O Type | Resistance ∞ Ω : normal (open) |

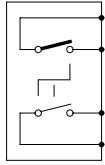
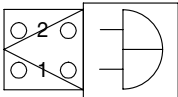
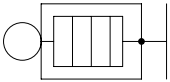
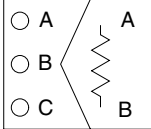
| Part name | Symbol | Specifications | Check item |
|-----------------------------------|---|---------------------------|--|
| Parking brake solenoid |  CN-71 | 24V 1A | Resistance normal : 15~25 Ω |
| Air cleaner pressure switch |  CD-10 | Max load : 6W N.O Type | Resistance ∞ Ω : normal (open) |
| Ride control valve / Fan solenoid |  CN-136 CN-154 CN-155 | 24V 1.2A | ※ Check LED lamp ※ Check resistance about 24 Ω |
| Fuel sender |  CD-2 | - | Resistance at fuel levels full level : 200 Ω 9/12 level : 500 Ω 6/12 level : 800 Ω 3/12 level : 1100 Ω empty : 1300 Ω |
| Relay (4pin) |  AC RY(HI) | 24V 20A | Resistance at normal position about 200 Ω between pin 1-3 ∞ Ω between pin 2-4 |
| Relay (5pin) |  CR-5 CR-37 CR-46 CR-79 CR-25 CR-40 CR-59 CR-35 CR-41 CR-60 | 24V 20A | Resistance normal : about 160 Ω (for pin 85~86) 0 Ω (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-63 CR-3 CR-26 CR-55 CR-4 CR-36 CR-58 | 24V 20A | Resistance normal : about 160 Ω (for pin 1~2) 0 Ω (for pin 3~4) ∞ Ω (for pin 3~5) |
| Hydraulic temperature |  CD-1 | - | Resistance normal : ∞ Ω 105° C over : 0 Ω |
| Speaker |  CN-23(LH) CN-24(RH) | 4 Ω 20W | Resistance normal : 4 Ω |
| Switch (Locking type) |  CS-17 CS-23 CS-41 CS-76 | 24V 8A | Resistance at switch off position ∞ Ω between pin 1-5 and 2-6 0 Ω 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 0 Ω between pin 5-7 and 6-8 |
| Work lamp, Room lamp, Number plate lamp |  CL-1 CL-21 CL-32 CL-35 CL-5 CL-22 CL-33 CL-36 CL-6 CL-23 | Work lamp 24V 65W Number plate lamp 24V 10W Room lamp 24V 10W | Resistance normal : 1.2 Ω |

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

| 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 1M Ω |
| Alternator |  CN-74 | 24V 80A | Voltage normal : 24~28V |
| Starter |  CN-45 | Delco Remy 42MT 24V-7.5kW | Operating or not |
| Aircon compressor |  CN-28 | 24V 79W | Resistance normal : 13.4 Ω |

| Part name | Symbol | Specifications | Check item |
|-------------------|--|---|---|
| Start relay |  <p>CR-23</p> | 24V 300A | Coil resistance normal : 1-2 Ω Switch connection ∞ Ω at normal open position 0 Ω when engaged |
| Blower |  | 24V 9.5A | Resistance at each switch position normal : 0.5-2 Ω |
| Door switch |  <p>CS-1 CS-55</p> | 24V 2W | Resistance normal : about 5M Ω |
| Flasher unit |  <p>CR-11</p> | 24V 85 ~ 190 C/M 50dB | - |
| Head lamp |  <p>CL-3 CL-4</p> | 24V 75W/70W (H4 TYPE) 24V 5W (T4W) | Resistance normal : a few Ω |
| Combi lamp (rear) |  <p>CL-15 CL-16</p> | 24V 5W (R5W) 2 × 24V 21W (P21W) | - |

| Part name | Symbol | Specifications | Check item |
|----------------|--|---|---|
| Master switch |  <p data-bbox="571 465 644 495">CS-74</p> | <p data-bbox="847 300 1054 367">Continuous capacity : 180Amp</p> <p data-bbox="847 412 1038 479">Push in capacity : 1000Amp</p> | - |
| Warning buzzer |  <p data-bbox="517 712 590 741">CN-26</p> | <p data-bbox="847 645 975 674">24V 200mA</p> <p data-bbox="847 683 1007 712">90±5dB (l m)</p> | - |
| Preheater |  <p data-bbox="517 1016 590 1046">CN-80</p> | <p data-bbox="847 949 954 978">24V 200A</p> | <p data-bbox="1075 927 1214 994">Resistance 0.25~0.12 Ω</p> |
| Resistor |  <p data-bbox="536 1303 609 1332">CN-99</p> | <p data-bbox="847 1236 890 1265">4W</p> | <p data-bbox="1075 1214 1214 1281">Resistance A - B : 120 Ω</p> |