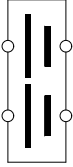
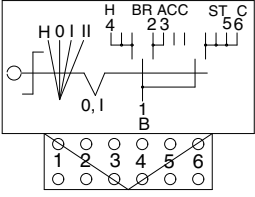
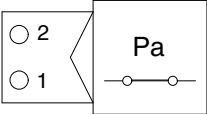
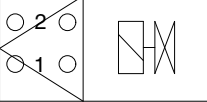
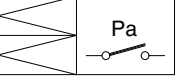
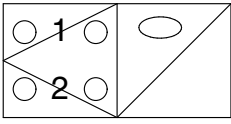
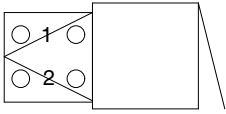
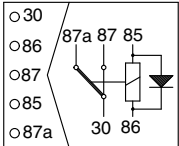
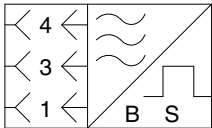
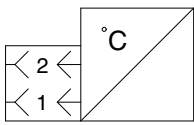
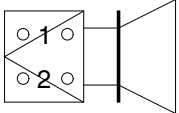
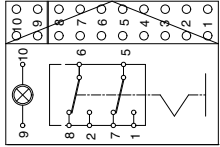
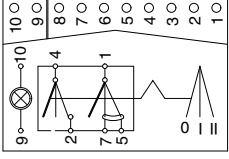
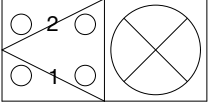
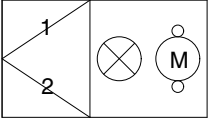
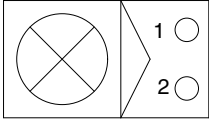
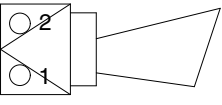
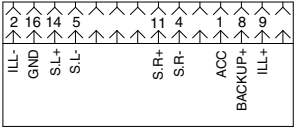
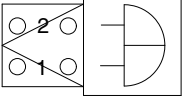
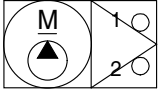
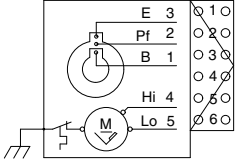
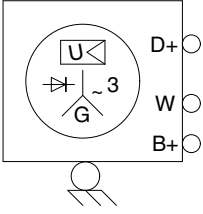
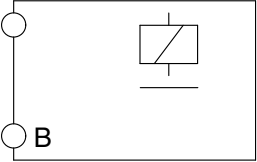
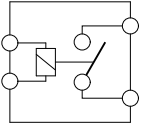


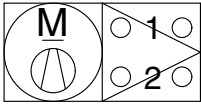
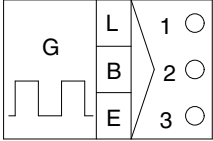
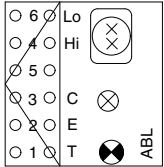
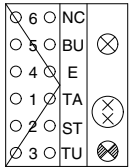
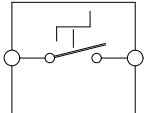
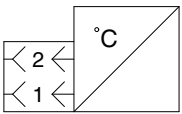
GROUP 5 ELECTRICAL COMPONENT SPECIFICATION

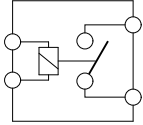
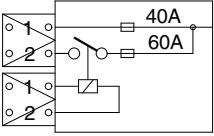
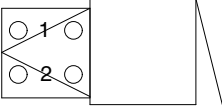
| Part name | Symbol | Specifications | Check item |
|-----------------------------|---|--|--|
| Battery |  | 12V × 100Ah (2EA) | Gravity 1.280 over : over charged 1.280 ~ 1.250 : normal 1.250 below : discharged |
| Start key |  CS-2 | B-BR : 24V 1A B-ACC : 24V 10A B-R2 : 20V 40A | Resistance between 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) |
| Parking pressure switch |  CN-177 | N.C type | Resistance 0 Ω : normal (close) |
| Solenoid |  CN-62 CN-73 CN-115 CN-137 CN-66 CN-75 CN-121 CN-68 CN-76 CN-122 CN-72 CN-114 CN-136 | - | - |
| Air cleaner pressure switch |  CD-10 | Max load : 6W N.O type | Resistance ∞ Ω : normal (open) |
| Fuel sender |  CD-2 | - | Resistance at fuel levels Full level : 7 Ω 1/2 level : 32.5 Ω Empty : 95 Ω |

| Part name | Symbol | Specifications | Check item |
|--------------------------------|--|----------------|---|
| Relay (4pin) |  <p>CR-6</p> | 12V 2.5A | Intermittent operating time 4.5 ± 1 sec |
| Relay (5pin) |  <p>CR-2 CR-10 CR-14 CR-46 CR-84 CR-5 CR-13 CR-16 CR-62</p> | 12V 25A | Resistance normal : about 105 Ω (for pin 85~86) 0 Ω (for pin 30~87) ∞ Ω (for pin 30~87) |
| Proximate switch |  <p>CN-101</p> | 12V NPN N.O | Voltage between 0V pin B-C |
| Water temperature sensor |  <p>CD-8</p> | - | Resistance normal : ∞ Ω 105°C over : 0 Ω 80°C : 304~342 Ω 20°C : 2262~2760 Ω |
| Speaker |  <p>CN-23(LH) CN-24(RH)</p> | 4 Ω 20W | Resistance normal : 4 Ω |
| Switch (locking type) |  <p>CS-10 CS-23 CS-55 CS-69 CS-96 CS-16 CS-41 CS-56 CS-70 CS-17 CS-43 CS-57 CS-71</p> | 12V 11A | Resistance at switch off position ∞ Ω between pin 1-5 and 2-6 0 Ω between pin 5-7 and 6-8 |

| Part name | Symbol | Specifications | Check item |
|------------------------------------|--|----------------------|--|
| Switch (non-locking type) |  <p>CS-12 CS-13 CS-21</p> | 12V 16A | Resistance at switch off position $\infty \Omega$ between pin 1-5 and 2-6 0Ω between pin 5-7 and 6-8 |
| Work lamp, Number plate lamp |  <p>CL-5 CL-22 CL-33 CL-6 CL-23 CL-35 CL-21 CL-32 CL-36</p> | 12V 55W | Resistance normal : 1.2 Ω |
| Beacon lamp |  <p>CL-7L CL-7R</p> | 12V 55W (H1 TYPE) | Resistance normal : 1.1 Ω |
| Room lamp |  <p>CL-30 CL-31</p> | 12V 10W | Resistance normal : a few Ω |
| Horn |  <p>CN-20A CN-20B CN-25A CN-25B</p> | 12V 3A | Operation by external power source - Conncet 12V power to (+) terminal - Ground the (-) terminal |
| Radio / USB player |  <p>CN-27</p> | 12V 20W/Ch | - |

| Part name | Symbol | Specifications | Check item |
|----------------|--|--------------------------------|---|
| Warning buzzer |  CN-26 | 12V/24V 90±5dB (ℓm) | - |
| Washer pump |  CN-22 (FR) CN-103 (RR) | 12V | Resistance normal : 26.4 Ω (for pin1-2) |
| Wiper motor |  CN-21 (FR) CN-102 (RR) | 12V 2-speed Auto parking | - |
| Alternator |  CN-74 | 12V 100A | Voltage normal : 12~14V |
| Starter |  CN-45 | Nippondenso 12V | Operating or not |
| Start relay |  CR-23 | 12V 60A | Coil resistance normal : 1-2 Ω Switch connection ∞ Ω at normal open position 0 Ω when engaged |

| Part name | Symbol | Specifications | Check item |
|-------------------|---|--|--|
| Blower |  | 12V 15A | Resistance at each switch position normal : 0.5-2 Ω |
| Flasher unit |  <p style="text-align: center;">CR-11</p> | 12V 85 ~ 190 C/M 50dB | - |
| Head lamp |  <p style="text-align: center;">CL-3 CL-4</p> | 12V 55W (H3, H7 TYPE) 12V 21W (P21W) 12V 4W (T4W) | Resistance normal : a few Ω |
| Combi lamp (rear) |  <p style="text-align: center;">CL-15(LH) CL-16(RH)</p> | 12V 5W (R5W) 2 × 12V 21W (P21W) | - |
| Master switch |  <p style="text-align: center;">CS-74</p> | Continuous capacity : 180Amp Push in capacity : 1000Amp | - |
| T/M temp switch |  <p style="text-align: center;">CD-49</p> | - | Resistance 120°C : ON |

| Part name | Symbol | Specifications | Check item |
|----------------|---|------------------|--|
| Heater relay |  <p data-bbox="568 454 643 483">CR-24</p> | 12V/150A | Coil resistance 37~44 Ω |
| Power relay |  <p data-bbox="536 730 691 759">CR-1 CR-35</p> | 12V/70A | Switched : Fuse 60A Non-switched : Fuse 40A |
| Back-up buzzer |  <p data-bbox="563 1032 635 1061">CN-81</p> | 12V/24V 107dB | Operation by external power source - Connect 12V power to (+) terminal - Ground the (-) terminal |