02

TRAILER CONNECTORS

CONNECTEURS POUR REMORQUES

CONECTORES PARA TRAILERS Y REMOLQUES

10 Trailer Sockets
11 Nose Boxes & Socket Breakers
12 Trailer Plugs
16 Junction Boxes
16 Corrosion Preventive Sealant

GROTE'S TRAILER CONNECTORS AND COMMUNICATION PRODUCTS ENSURE SUFFICIENT POWER IS DELIVERED TO THE ENTIRE VEHICLES LIGHTING AND SAFETY SYSTEM.
**HEAVY DUTY 7 POLE SOCKETS**

- Die-cast housing for superior corrosion resistance
- Solid brass pin terminals for best conductivity
- Meets and exceeds SAE J560 specifications
- Terminals accept 16-10 gauge wires; 8 gauge ground wire
- Sloped socket barrel allows for moisture drainage
- 40 AMP @ 6-28V DC
- 2, 1/2” mounting holes
- Circuit identification on the back of the socket
- Female ground pin for (ISO) to prevent improper connections

### SOCKET # MATERIAL TERMINALS PART #

| 1 | White | Ground Return | Enclosed, split pin | 82-1002 |
| 2 | Black | Clearance, Side Marker and Identification Lamps | Enclosed, split pin | 82-1005 |
| 3 | Yellow | Left Turn Signal & Hazard Signal | Enclosed, split pin | 82-1047 |
| 4 | Red | Stop Lamps & Anti-Lock Devices | Enclosed, solid pin | 82-2145 |
| 5 | Green | Right Turn Signal & Hazard Signal | IS0 Socket | 82-1043 |
| 6 | Brown | Tail, Rear Clearance, Marker and License Plate Lamps | | |
| 7 | Blue | Auxiliary Circuit/ABS | | |

### 7 POLE R.V. SOCKETS

- Made of lightweight, high impact nylon
- Socket lid has a slot for proper drainage, tin plated copper alloy terminals
- 7-1000 fits Ford style and universal mount brackets
- Easy twist-in and lock assembly for factory installed brackets & hitches
- Fits GM and Nissan trucks and SUV’s

### PLUG # MATERIAL DESCRIPTION PART #

| 7 | Nylon | 7-Way R.V. and 4 pole flat | 82-1055 |

### NOSEBOXES

- Fits standard mounting hole patterns
- Includes mounting hardware, grommet and gasket

### COMBINATION 7 WAY & 4 POLE SOCKETS

- Combines an R.V. 7 way and 4 pole flat socket connection into one part (not to be used simultaneously)
- Easy snap-in assembly designed for truck and sport utility vehicles and when hauling multiple trailers
- Eliminates the need for an adapter; mounting bracket included
- Will plug into any Ford or GM vehicle built after 2001 (selected Nissan models 2004+)

### PLUG / SOCKET # DESCRIPTION PART #

| 7 | Plug Boot – complete protection | 82-2142 |
| 7 | Socket Boot – complete protection | 82-2144 |

### NOSEBOXES

- *Includes 20A Split Pin Socket Breaker

### COMBINATION 7 WAY & 4 POLE SOCKETS

- Fits standard mounting hole patterns
- Includes mounting hardware, grommet and gasket

### SOCKET # MATERIAL DESCRIPTION PART #

| 7 | Nylon | R.V. Socket Only | 82-1058 |
| 7 | Nylon | R.V. Socket Only | 82-1060 |
| 7 | Nylon | R.V. Plug & Socket Kit (includes 82-1056 & 82-1058) | 82-1050 |
| 7 | Nylon | Twist-In & Lock Socket | 82-1059 |

### NOSEBOXES

- *Includes 20A Split Pin Socket Breaker

### PLUG AND SOCKET BOOT

- Deep Nose Box 3 1/8” Nylon
- Deep Nose Box 3 1/8” Die Cast
- Low Profile Nose Box 1 7/8” Die Cast
- Low Profile Nose Box 1 7/8” Die Cast

*Includes 20A Split Pin Socket Breaker
**HEAVY DUTY 7 POLE PLUGS**

- Die-cast housing for superior corrosion resistance
- Meets and exceeds SAE J560 specifications
- Plated steel cable guard prevents cable chafing
- Circuit identification on the back of the plug insert
- Male ground pin for (ISO) to prevent improper connection with standard 7 pole plugs

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<th>MATERIAL</th>
<th>DESCRIPTION</th>
<th>PART #</th>
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<tbody>
<tr>
<td>7</td>
<td>Zinc Die-Cast</td>
<td>Plug only</td>
<td>82-1001</td>
</tr>
<tr>
<td>7</td>
<td>Nylon</td>
<td>Plug only</td>
<td>82-2140</td>
</tr>
<tr>
<td>7</td>
<td>Zinc Die-Cast</td>
<td>Plug with guard</td>
<td>82-1027</td>
</tr>
<tr>
<td>7</td>
<td>Zinc Die-Cast</td>
<td>Plug with guard</td>
<td>82-1019</td>
</tr>
<tr>
<td>7</td>
<td>Stainless Steel</td>
<td>Guard only</td>
<td>82-2141</td>
</tr>
<tr>
<td>7</td>
<td>Die-Cast</td>
<td>ISO Plug</td>
<td>82-1044</td>
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**7 POLE R.V. PLUGS**

- Made of lightweight, high impact nylon

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<td>7</td>
<td>Nylon</td>
<td>R.V. Plug Only</td>
<td>82-1056</td>
</tr>
<tr>
<td>7</td>
<td>Nylon</td>
<td>R.V. Plug &amp; Socket Kit</td>
<td>82-1050</td>
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**STEP-DOWN R.V. ADAPTERS**

- Provides 6 & 7 pole trailer plug to allow 4, 5 and 6 pole conversion
- Made of lightweight, nylon material for superior corrosion resistance
- Ideal for boat trailers, campers and utility vehicles

**ADAPTERS**

- 82-1033 | T CONNECTOR (FOR 5” WHEEL & BUMPER MOUNT SOCKET)
  - Plug & play without splicing into existing OEM harness
  - Fits GM & Ford trucks/SUV's, Chrysler trucks/SUV's w/ 82-1062 adapter

- 82-1062 | RECTANGULAR-TO-ROUND HARNESS ADAPTER
  - Adapter for OEM harnesses
  - Matos w/ Grote socket # 82-1060, 82-1055, T-Connector #82-1063

- 82-1061 | HARNESS EXTENSION ADAPTER
  - Adapter mates with socket # 82-1060, 82-1055
  - 4’ harness extension plugs into existing socket & splices into OEM harness

**HEAVY DUTY 6 POLE SOCKETS**

- Die-cast housing for superior corrosion resistance
- Solid brass pin terminals for best conductivity
- Terminals accept up to 12 gauge wires
- 2, 1/2” mounting holes; Stainless steel spring
- Circuit identification on the back of the socket

<table>
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<tr>
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<th>MATERIAL</th>
<th>TERMINALS</th>
<th>PART #</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Zinc Die-Cast</td>
<td>Enclosed, split pin</td>
<td>82-1016</td>
</tr>
</tbody>
</table>

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<tr>
<th>PLUG/SOCKET #</th>
<th>DESCRIPTION</th>
<th>PART #</th>
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<tbody>
<tr>
<td>4</td>
<td>Zinc Die-Cast</td>
<td>Enclosed, split pin</td>
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**HEAVY DUTY 4 POLE PLUGS**

- Made of lightweight, high impact nylon

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<th>DESCRIPTION</th>
<th>PART #</th>
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<tbody>
<tr>
<td>7</td>
<td>Nylon</td>
<td>7 Way R.V. to 4 Pole Flat</td>
<td>82-2146</td>
</tr>
<tr>
<td>7</td>
<td>Nylon</td>
<td>7 Way R.V. to 5 Pole Flat</td>
<td>82-2148</td>
</tr>
<tr>
<td>7</td>
<td>Nylon</td>
<td>7 Way R.V. to 6 Pole Round, Or Pin, Brake</td>
<td>82-2149</td>
</tr>
<tr>
<td>7</td>
<td>Nylon</td>
<td>7 Way R.V. to 6 Pole Round, Or Pin, Auxiliary</td>
<td>82-2154</td>
</tr>
<tr>
<td>6</td>
<td>Nylon</td>
<td>6 Pole Round to 4 Pole Flat</td>
<td>82-2147</td>
</tr>
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**HEAVY DUTY 4 POLE SOCKETS**

- Made of lightweight, high impact nylon

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<tr>
<td>4</td>
<td>Zinc Die-Cast</td>
<td>Enclosed, split pin</td>
<td>82-1040</td>
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<tr>
<th>PLUG &amp; SOCKET KIT #</th>
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<th>TERMINALS</th>
<th>PART #</th>
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<tbody>
<tr>
<td>4</td>
<td>Zinc Die-Cast</td>
<td>Enclosed, split pin</td>
<td>82-1020</td>
</tr>
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</table>

**HEAVY DUTY 6 POLE PLUGS**

**MOLDED CONNECTOR ASSEMBLIES**

- 2 Pole Molded Connector Assembly | 82-1027 |
- 4 Pole Molded Connector Assembly | 82-1025 |
**Socket**

<table>
<thead>
<tr>
<th>PART #</th>
<th>SOCKET #</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
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<tbody>
<tr>
<td>82-1041</td>
<td>2</td>
<td>Socket – Dual Pole</td>
<td>Zinc Die-Cast</td>
</tr>
<tr>
<td>82-0851</td>
<td>1</td>
<td>Socket – Single Pole</td>
<td>Zinc Die-Cast</td>
</tr>
<tr>
<td>82-2144</td>
<td></td>
<td>Socket Boot</td>
<td>Rubber</td>
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**Plug & Socket Combo**

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<th>PLUG/SOCKET #</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>82-0950</td>
<td>1</td>
<td>Plug &amp; Socket – Single Pole</td>
<td>Zinc Die-Cast</td>
</tr>
</tbody>
</table>

**Plug**

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<th>PART #</th>
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<tbody>
<tr>
<td>82-1042</td>
<td>2</td>
<td>Plug &amp; Spring – Dual Pole</td>
<td>Zinc Die-Cast</td>
</tr>
<tr>
<td>82-0852</td>
<td>1</td>
<td>Plug &amp; Spring – Single Pole</td>
<td>Zinc Die-Cast</td>
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</table>

**Vertical Pin**

- Designed for dump truck, tarp and grain trailer applications; also alternative power source
- Solid brass pin terminals for best conductivity
- 2, 1/2" mounting holes; stainless steel spring
- Terminals accept 4 gauge cable(s)
- 200 AMP heavy die-cast construction
- Vertical pin plug/socket = set screw termination

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<tr>
<td>82-1041V</td>
<td>NEW</td>
<td>Socket – Dual Pole</td>
<td>Zinc Die-Cast</td>
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**Lift Gate – Charging Plugs & Sockets**

- Designed for lift gate applications and as an alternative power source
- Solid brass pin terminals for best conductivity
- 2, 1/2" mounting holes; stainless steel spring
- Terminals accept 4 gauge cable
- 200 AMP heavy die-cast construction

**Plug & Socket**

- Material
  - 82-1042: 2 Plug & Spring – Dual Pole, Zinc Die-Cast
  - 82-0852: 1 Plug & Spring – Single Pole, Zinc Die-Cast

**Socket**

- Material
  - 82-1041: 2 Socket – Dual Pole, Zinc Die-Cast
  - 82-2144: Socket Boot, Rubber

**Part #**

- 82-1051: Plastic, Protective cap for 7 pole plugs

**Protective Cap – 7 Pole Plugs**

- Material
  - 82-1051: Plastic
  - 82-0851: 1 Plug & Spring – Single Pole, Zinc Die-Cast

**Molded Trailer Connectors**

- Automotive, marine, recreational and truck applications
- PVC wire
- Operating temperature: 105°F (221°F)
- Weather resistant molded head
- Male = vehicle end, female = trailer end

**Plug #**

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<tr>
<th>GAUGE</th>
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**Mounting Brackets**

- Designed for lift gate applications and as an alternative power source
- Solid brass pin terminals for best conductivity
- 2, 1/2" mounting holes; stainless steel spring
- Terminals accept 4 gauge cable
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- Vertical pin plug/socket = set screw termination

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**Plug**

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SEVEN TERMINAL JUNCTION BOX

- Corrosion resistant molded cover and housing
- Two-bolt mounting 7 3/8" (18.73) centre to centre
- Access slot grommets included, four open-four closed
- 7, #10-32 studs

DRI-SEAL CIRCUIT BOX

- Entrances stay dry by using the new “push-in” choke seals and threaded fittings – comes with 4 choke seals
- 18 brass circuit studs and full hardware; entry from 4 sides
- All components are corrosion resistant
- Numbered label for fast circuit ID.
- No tools, easy access by 4 wing nut fasteners (retained in the cover)
- Ample area for wire and cable – 1 cable entrance fitting

7-WAY SYSTEM CHECKER

- Solid brass pin
- LED light source
- Lexan housing

CLEANING BRUSH – 7 POLE PLUGS & SOCKETS

- Engineered to properly fit 7 pole plugs and sockets
- Removes any unwanted corrosion build up
- Easily stored in a tool box or maintenance kit
- Stainless steel bristles and heavy duty plastic housing

ULTRA-SEAL CORROSION PREVENTIVE SEALANT DISPLAY

- Prevents rust and corrosion
- Added tackifiers improve adhesion and resistance to washout
- Operating range -40°C (-40°F) to 150°C (302°F)
- Ideal for heavy-duty, automotive, agricultural, marine, industrial and recreational applications

PART # MATERIAL DESCRIPTION PLUG / SOCKET #
83-6561 Plastic Plastic housing w/ steel bristles 7
99170-1 Display (includes 12 - 4 oz. tubes # 99170) 99170
99170 4 oz. Tube 99180
99180 8 oz. Tub with applicator 99170-GT NEW
99170-GT 14.1 oz Grease Cartridge

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