



# ***BARYL™ SOCKET***

## **Splash Proof 12V Power Socket Installation Instructions**

### **What is in the kit:**

- 1- Baryl Socket Assembly
- 6- Cable Ties

### **What you need:**

- Your vehicle service manual
- Common hand tools

### **WARNING**

Baryl Power Ports are intended for use with 12 Volt accessories only! Connection to accessories intended for other voltages can cause severe damage to the connected device which could in turn result in personal injury. Consult the accessory technical specifications for correct operating voltage.

### **CAUTION**

Additional electrical equipment can overload the vehicle electrical system and cause unsafe operation conditions. If your combined electrical accessories consume more electrical current than your vehicle's charging system can produce, the electrical consumption can discharge the battery leading to vehicle electrical system damage.

Baryl power ports are capable of handling 7.5A maximum current load and are fused accordingly.

### **WARNING**

The service manual for your vehicle is required for safe and correct installation of the Baryl Socket and cable. The operator's safety depends on the correct installation of the Baryl Socket and cable routing. If the procedure is not within your capabilities or you do not have the correct tools, have a qualified technician perform the installation for you. Incorrect installation of the Baryl Socket and cables could result in death or serious injury.

### **WARNING**

To prevent accidental vehicle startup, which could cause death or serious injury, disconnect battery cables (negative cable first) before proceeding.

### **WARNING**

Disconnect negative (-) battery cable first. If positive (+) battery cable should contact ground with negative (-) cable connected, the resulting sparks can cause a battery explosion, which could result in death or serious injury.

We cannot overstate the safety issue. Installing a Baryl Socket is a relatively easy task. However, 3BR Powersports' founder spent a decade as an automotive dealership mechanic and witnessed some bad events that resulted in serious injuries that were caused when experienced mechanics were careless.

Always wear safety glasses when connecting or disconnecting battery cables.

Be sure to read and understand these instructions through to the end BEFORE starting the assembly.

1. Refer to your vehicle service manual to access the battery.
2. Disconnect the battery, negative (-) cable first.

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Patent Pending

**CAUTION**

- Keep cables at least 3" (75mm) away from any hot engine components and at least 6" (150mm) away from any hot exhaust components.
  - Do not allow the cable to touch any sharp edges that might chafe the cable jacket.
  - Protect the cable with protective loom at any point where it passes through the frame or bodywork of the vehicle. Durable corrugated loom is readily available from auto parts stores or on the 3BR Powersports website (Accessories).
  - Be sure that the cable does not interfere with vehicle steering or controls.
  - Attach the Baryl Socket securely to the vehicle to prevent the socket from flapping around and possibly getting tangled in the vehicle steering or controls when the vehicle is in motion. 3BR Powersports strongly recommends the use of the Baryl Rack™ for secure and convenient mounting.
3. Plan your cable routing.  
*Hint: follow the factory cable harness whenever possible. Vehicle manufactures pay their engineers big bucks to route harnesses in the safest, most efficient manner. Take advantage of that expertise!*
  4. Begin routing the cable. *Hint: If the cable has to pass through frame or bodywork openings, route from the battery end to the socket location. The Baryl Socket is considerably smaller than the fuse holder making it easier to thread through openings.*
  5. Refer to the vehicle service manual if any other vehicle components must be removed for proper cable routing.
  6. Pick a suitable location near the battery to secure the fuse holder. Remember, the short length of wire between the fuse holder and battery ring terminals are the only part of the cable that is not protected by the fuse. Be sure the wires are routed according to the cautions listed above. Routing the wires along the vehicle battery cables may give added protection. If in doubt, cover the wires with short lengths of corrugated loom. Secure the fuse holder with a cable tie.
  7. Secure the Baryl Socket to the vehicle with cable ties. A Baryl Rack makes this easy as the installation kit contains cable ties sized to fit neatly to the Baryl Socket.
  8. Begin securing the cable to the vehicle. If the cable crosses the steering axis, secure that part first. Install a cable tie close to the steering axis. Pull the cable tie only tight enough to snug the cable but still allow it to move if necessary. Test the steering and control functions to be sure the cable does not interfere in any way. Adjust the cable if necessary. Tighten the cable tie.
  9. Continue securing the cable along its length. Loop excess cable near the fuse holder end and secure with a cable tie.
  10. Double check the cable routing and Baryl Socket installation using the Caution list above as a guide.
  11. **WEAR SAFETY GLASSES WHEN ATTACHING THE BATTERY CABLES.**  
Attach the RED positive (+) wire to the battery positive (+) terminal.
  12. Refer to the vehicle service manual to replace any vehicle components that may have been removed in order to route the cable leaving off only those parts necessary for battery access.
  13. Attach the BLACK negative (-) wire to a clean, grounded chassis bolt near the battery. If a suitable bolt is not available, the BLACK negative (-) wire can be attached along with the negative (-) battery cable to the battery. Connect the negative (-) battery cable.
  14. If you have your Baryl Plug™ assembled and ready to use, now is a good time to test the installation. Plug the Baryl Plug into the Baryl Socket and operate the accessory as you normally would.
  15. Refer to the vehicle service manual to replace any vehicle components removed for battery access.
  16. **ENJOY YOUR Baryl™ POWER PORT!**

*The Baryl Power Port system is splash proof at all times (International protection rating of IP64) as long as either the protective cover is in place when not in use or the Baryl Plug is in place when in use. Be sure to take advantage of this feature by keeping either the cap or the Baryl Plug in place at all times.*