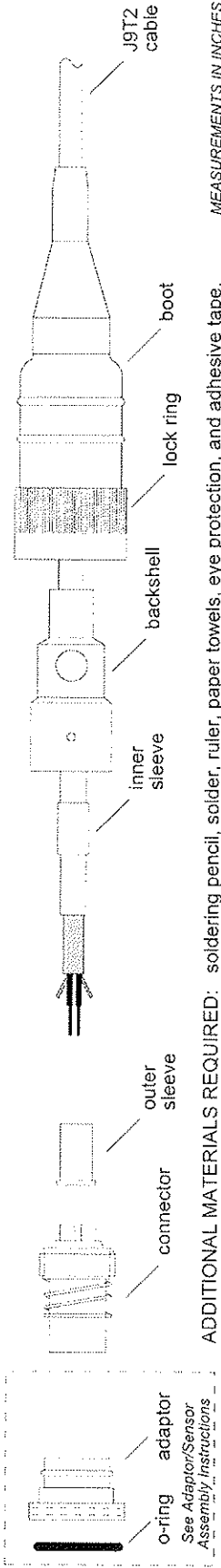


Assembly Instructions R6SL Splash Plug/J9T2 Series Cable

LOCATE AND IDENTIFY PARTS SHOWN BELOW. READ THROUGH INSTRUCTIONS BEFORE STARTING ASSEMBLY.

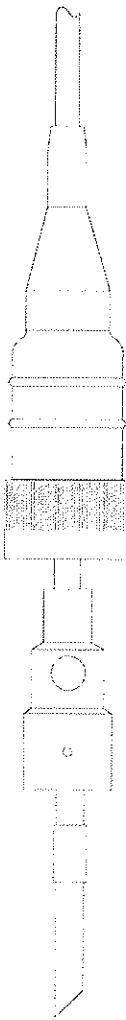


MEASUREMENTS IN INCHES

ADDITIONAL MATERIALS REQUIRED: soldering pencil, solder, ruler, paper towels, eye protection, and adhesive tape.

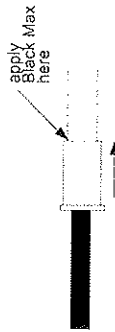
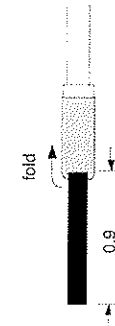
1. Use exacto knife to cut cable at 45° angle. Slide boot with lock ring installed, backshell and inner sleeve onto cable as shown below.

2. Cut cable end off square. Use exacto knife to score cable jacket, 0.9 inch (23 mm) from end. Be careful not to nick shield wires. Bend cable to split and remove jacket. Use scissors to trim shield 0.5 inch (12 mm) from jacket.



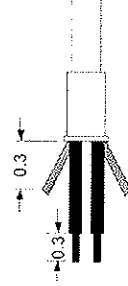
3. Slide inner sleeve to end of jacket. Fold shield back over inner sleeve.

4. Slide outer sleeve over shield. Trim any loose strands. Apply two drops of Black Max adhesive at cable entry. Black Max will wick into shield. Wipe off excess.



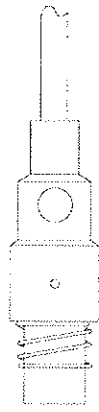
CAUTION: Cyanoacrylate is an eye irritant, and bonds to skin instantly.

5. Trim tape flush with inner sleeve. Trim fiber bundles to 0.3 inch (8 mm). Strip fiber bundles to 0.3 inch (8 mm). Strip insulation 0.3 inch (8 mm) from end of wires. Solder white to connector Pin A and black to Pin B.



6. Screw backshell onto connector hand tight.

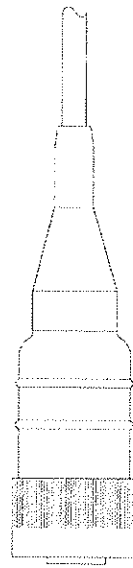
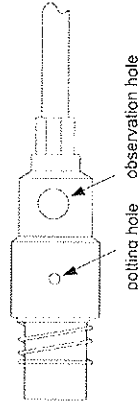
Note: Do not allow cable to twist relative to connector during tightening. A mating connector (i.e., transducer) can be used to hold assembly during tightening.



7. Use an ohm meter to check continuity of cable conductors to pins and shield to connector spring. Check isolation between pins and each pin to connector spring. Crimp backshell to cutter sleeve using CR596B crimp tool.

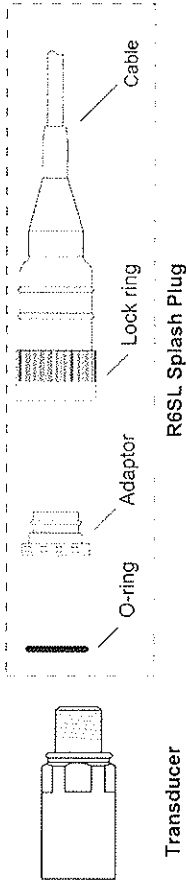
8. Use EPX applicator, extension nozzle and DP125 epoxy to pot assembly. Fill until epoxy is visible through observation hole. Wipe off excess epoxy. Tape holes or orient them so epoxy does not run out. Allow 2 hours to cure.

9. Slide boot onto assembly. See Adaptor/Sensor Assembly Instructions to place the o-ring and the adaptor.



R6SL Adaptor/Sensor and Cable/Sensor Assembly Instructions

A. LOCATE AND IDENTIFY PARTS SHOWN BELOW.

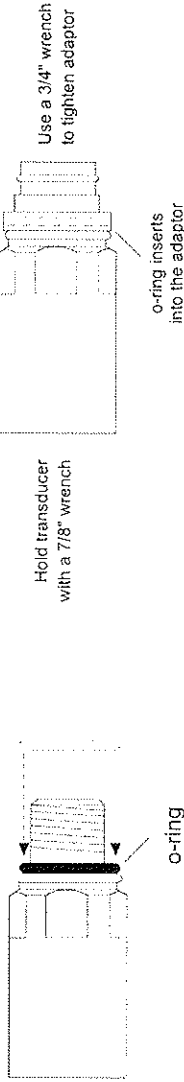


B. ADDITIONAL MATERIALS REQUIRED.

- 7/8 inch wrench
- 3/4 inch wrench
- silicone grease

C. ADAPTOR INSTRUCTIONS – Read carefully before assembling.

1. Slide O-ring over threads of connector.
2. While holding transducer with a 7/8" wrench, thread adaptor onto connector and tighten with a 3/4" wrench.



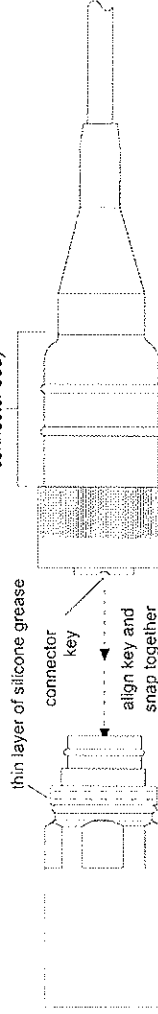
PLEASE NOTE:

Dri-Loc Thread Adhesive has been pre-applied to the adaptor to prevent loosening of the transducer/adaptor assembly.

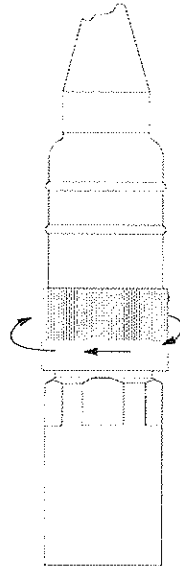
If the adaptor is ever removed from the transducer, apply liquid Loctite to the adaptor internal threads before re-assembly to achieve full strength of the bond.

D. SPLASH PLUG CABLE TO SENSOR INSTRUCTIONS – Read carefully before assembling.

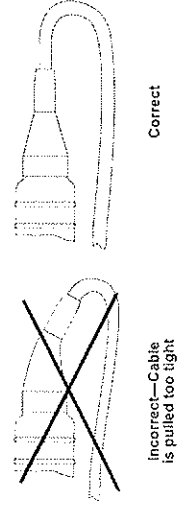
1. For maximum protection against HARSH environments, fill the connector on the transducer approximately 1/2 full (1.5cc) with silicone grease to aid in corrosion and moisture resistance.
2. Grasp the Model R6SL Splash Proof Connector by the connector body, align connector key and firmly snap in place. Apply a thin layer of silicone grease to the adaptor threads.



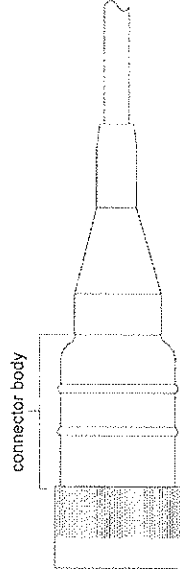
3. By hand, twist the locking ring till tight to secure the connector to the transducer.



4. Anchor the cable in a manner which will not put excessive stress on the connector.

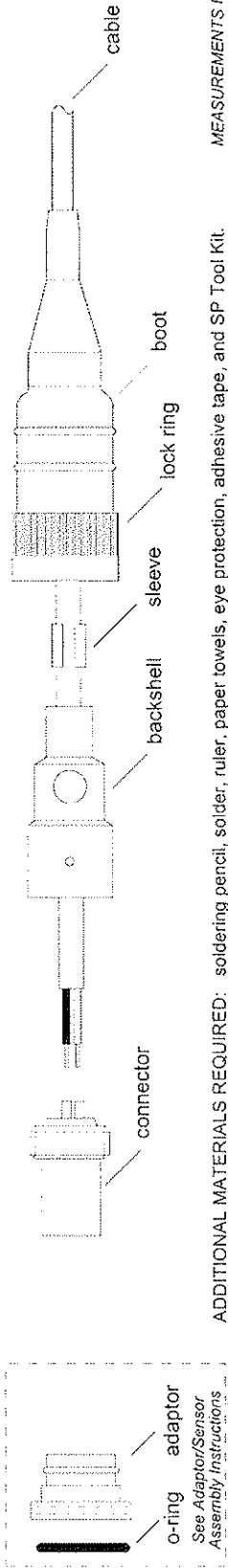


5. When removing the Model R6SL Splash Proof Connector, unscrew the locking ring then grasp the connector body. (Do not grasp by the cable.) Pull straight out.



Assembly Instructions R6SLI Splash Plug/J9T2/J9T2A Cable

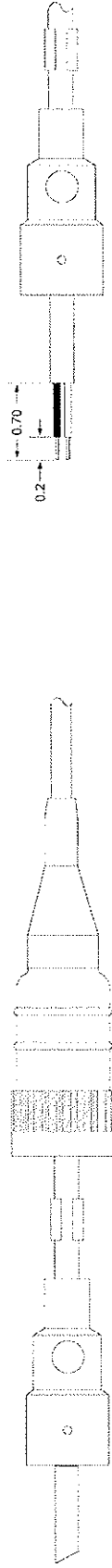
LOCATE AND IDENTIFY PARTS SHOWN BELOW. READ THROUGH INSTRUCTIONS BEFORE STARTING ASSEMBLY.



ADDITIONAL MATERIALS REQUIRED: soldering pencil, solder, ruler, paper towels, eye protection, adhesive tape, and SP Tool Kit.

1. Use exacto knife to cut cable at 45° angle. Slide boot with lock ring installed, backshell and sleeve onto cable as shown below.

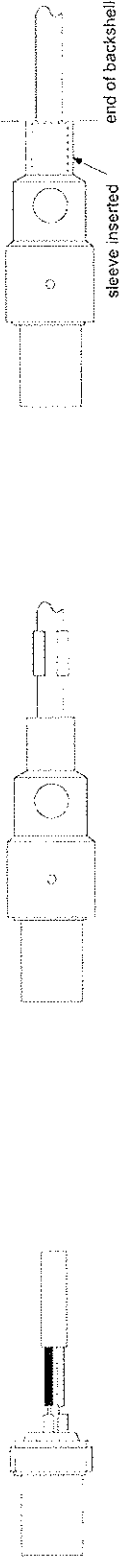
2. Cut cable end off square. Use exacto knife to score cable jacket 0.70 inch (18 mm) from end. Bend cable to split and remove jacket. Use scissors to remove shield. Trim insulation 0.2 (5 mm) from end.



3. Solder white conductor to pin A and black conductor to pin B.

4. Screw backshell onto connector hand tight.
Note: Do not allow cable to twist relative to connector during tightening. A mating connector (i.e. transducer) can be used to hold assembly during tightening.

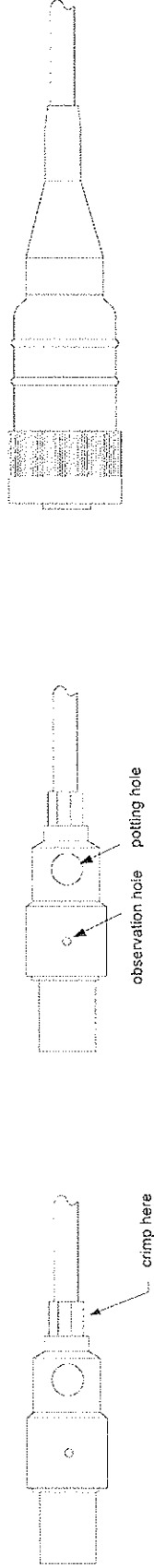
5. Push sleeve into backshell until it is flush with end of backshell as shown.



6. Use an ohm meter to check continuity of the white conductor to Pin A and continuity of the black conductor to pin B. Check isolation between pins and each pin to backshell. Crimp backshell to cable using CR596B crimp tool.

7. Use EPX applicator, extension nozzle and DP125 epoxy to pot assembly. Fill until epoxy is visible through observation hole. Wipe off excess epoxy. Tape holes or orient them so epoxy does not run out. Allow 2 hours to cure.

8. Slide boot onto assembly. See Adaptor/Sensor Assembly instructions to place the o-ring and the adaptor.

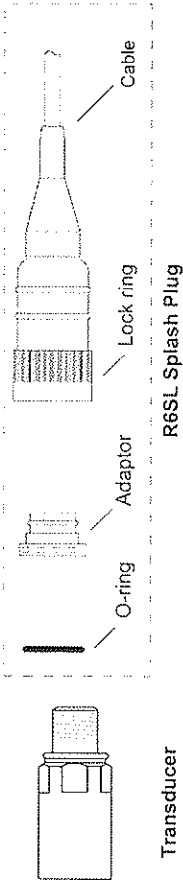


IMPORTANT! READ INSTRUCTIONS CAREFULLY BEFORE STARTING ASSEMBLY. IMPORTANT!!



R6SL Adaptor/Sensor and Cable/Sensor Assembly Instructions

A. LOCATE AND IDENTIFY PARTS SHOWN BELOW.

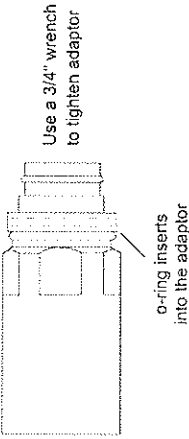
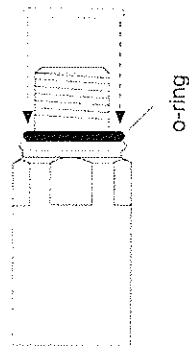


B. ADDITIONAL MATERIALS REQUIRED.

- 7/8 inch wrench
- 3/4 inch wrench
- silicone grease

C. ADAPTOR INSTRUCTIONS – Read carefully before assembling.

1. Slide O-ring over threads of connector.
2. While holding transducer with a 7/8" wrench, thread adaptor onto connector and tighten with a 3/4" wrench.



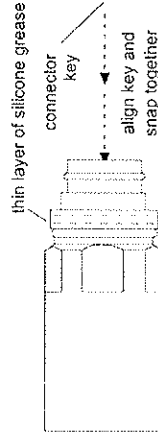
PLEASE NOTE:

Tri-Loc Thread Adhesive has been pre-applied to the adaptor to prevent loosening of the transducer/adaptor assembly.

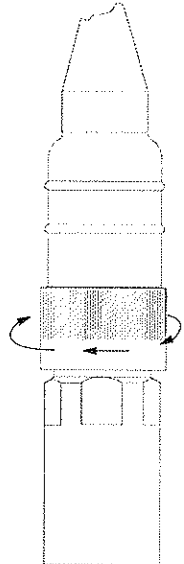
If the adaptor is ever removed from the transducer, apply liquid Loctite to the adaptor internal threads before re-assembly to achieve full strength of the bond.

D. SPLASH PLUG CABLE TO SENSOR INSTRUCTIONS – Read carefully before assembling.

1. For maximum protection against HARSH environments, fill the connector on the transducer approximately 1/2 full (1.5cc) with silicone grease to aid in corrosion and moisture resistance.
2. Grasp the Model R6SL Splash Proof Connector by the connector body, align connector key and firmly snap in place. Apply a thin layer of silicone grease to the adaptor threads.



3. By hand, twist the locking ring till tight to secure the connector to the transducer.



4. Anchor the cable in a manner which will not put excessive stress on the connector.



Incorrect—Cable is pulled too tight



Correct

5. When removing the Model R6SL Splash Proof Connector, unscrew the locking ring then grasp the connector body. (Do not grasp by the cable.) Pull straight out.

