

**System Studies Incorporated**

# TD Housing Splice Assembly & Pair Splitter "Y" Connector

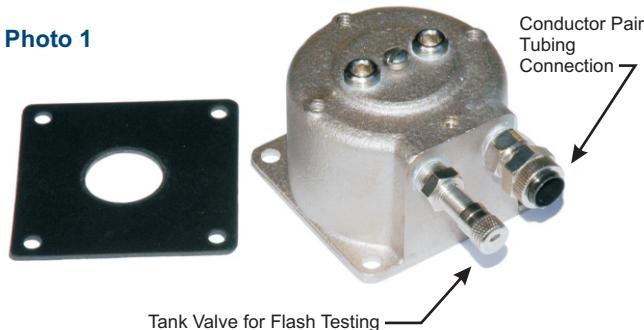
One of the advantages of converting from a 6,000 foot manifold spacing design to a 3,000 foot design is that the midpoint pressure transducers once used to monitor individual cables in the old design are no longer required. So there is an abundance of existing, pre-wired transducer pairs available in the 5- or 10-bank transducer housing.

System Studies has devised a simple way to utilize these pairs when installing a monitored manifold assembly at the midpoint location. Our Part No. 9080-0055 TD Housing Splice Assembly (Photo 1) mounts directly onto the transducer housing and accepts the 3/8" conductor pair tubing attached to the High Resolution Transducer's wire cover assembly. The mounting gasket supplied with the splice assembly includes a center cutout so the transducer pair can be spliced to the working pair in the canister cavity. A tank valve installed on the side of the TD Housing Splice Assembly makes it possible to flash test the housing after installation.

## TD Housing Splice Assembly

Part No. 9080-0055

**Photo 1**



To accommodate the installation of a High Resolution Dual (pressure/flow) Transducer at the midpoint location, two TD Housing Splice Assemblies are required. A Part No. 9080-0085 Pair Splitter "Y" Connector (Photo 2) accepts the 3/8" conductor pair tubing from the transducer and splits off the device pairs so that they can be placed inside two lengths of 3/8" tubing which can then be routed to the 5- or 10-bank transducer housing.

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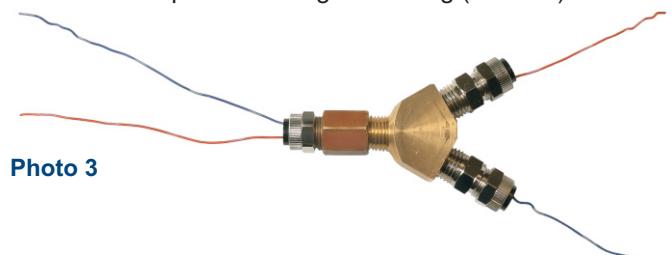
## Pair Splitter "Y" Connector

Part No. 9080-0085

**Photo 2**

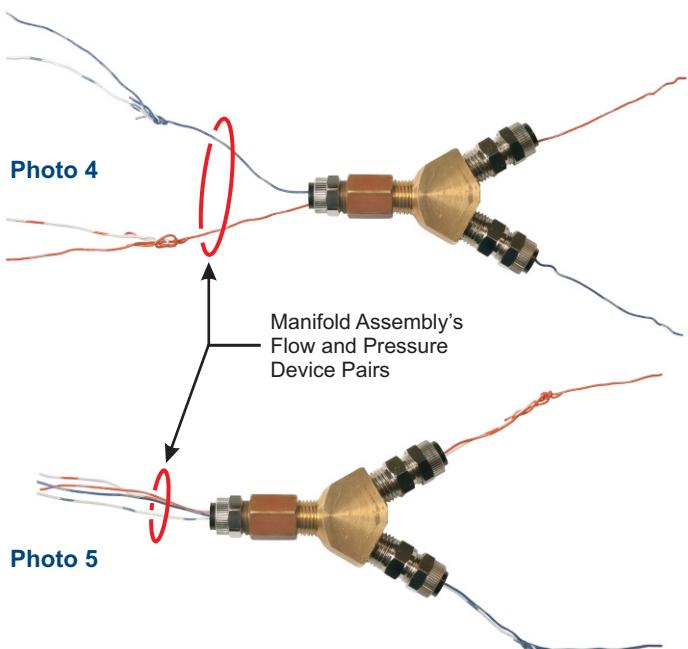


The pair splitter connector is shipped with two pulling wires that are pre-fed through the fitting (Photo 3).



**Photo 3**

The purpose of these wires is to assist in pulling the new transducer pairs through the connector. Attach the pulling wire to the transducer pairs securely and pull them through the fitting (Photos 4 and 5).



**Photo 5**

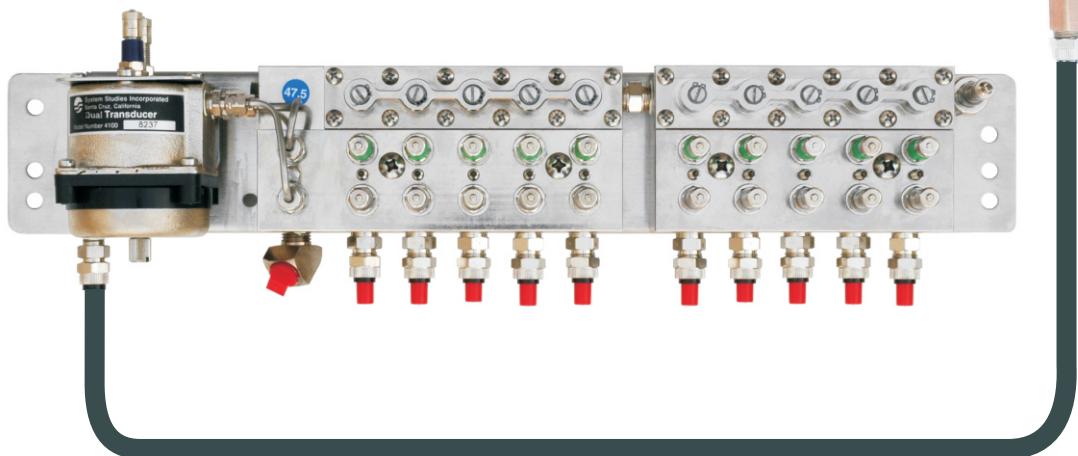
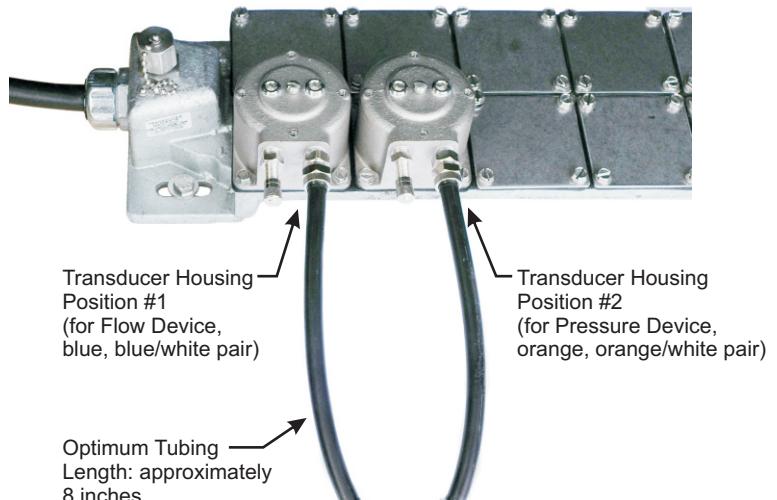
## TD Housing Splice Assembly & Pair Splitter "Y" Connector (continued)

Once the pairs have been fed through connector, you can place them inside two lengths of 3/8" tubing and attach the tubing to the 1/4" NPT-M to 3/8" Tubing fittings on both the Pair Splitter "Y" Connector and on the TD Housing Splice Assemblies (Photo 6).

Please note that for a Manifold Monitoring Assembly that contains a High Resolution Dual Transducer, the flow device (blue, blue/white pair) is connected to the splice assembly in slot #1 of the transducer housing. The transducer's pressure device pair (orange, orange/white) is connected to the splice assembly and in slot #2.

To complete the installation flash test the TD Housing Splice Assemblies, per company procedures, to ensure that the installations are leak free. Finally, make arrangements with the individual(s) responsible for performing PressureMAP data entry to assign the proper Device #s, TD Types, pair designations, etc. into the software's database.

**Photo 6**



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