

## Model 2930 four-station branched combiner installation

### Check the parts:

You should have four pre-assembled filter modules. Each module may include either 2-pole, 3-pole, or 4-pole filters. You should also have a pre-assembled output network consisting of a coax cable for each filter module and a star junction in the center, as shown at right.

Look over the parts to make sure they are all there and in good condition. If you have questions, call Shively Labs at 888-SHIVELY.



Figure 1. Identification of the ports and transmitter frequencies.



3-pole filter module and output networks

### Install the combiner:

- Identify the input port and the output port of each module (Figure 1).
- Set up the four filter modules on a flat, dry surface, with their output ports close to each other as shown in Figure 2. Secure them to prevent tipping.

### CAUTION

A hard shock, for example, tipping over and falling, can detune a filter and reduce its performance.

- The output network is labeled to indicate which cable goes to which filter module. Attach the output network across the output ports of the filter modules. Tighten by hand only!
- Attach the transmission line to the antenna at the combined output (7/16 DIN female standard). Tighten by hand only!
- Attach each transmitter to the indicated input port (Type 'N' female).
- Ensure all connections are secure before applying transmitter power.

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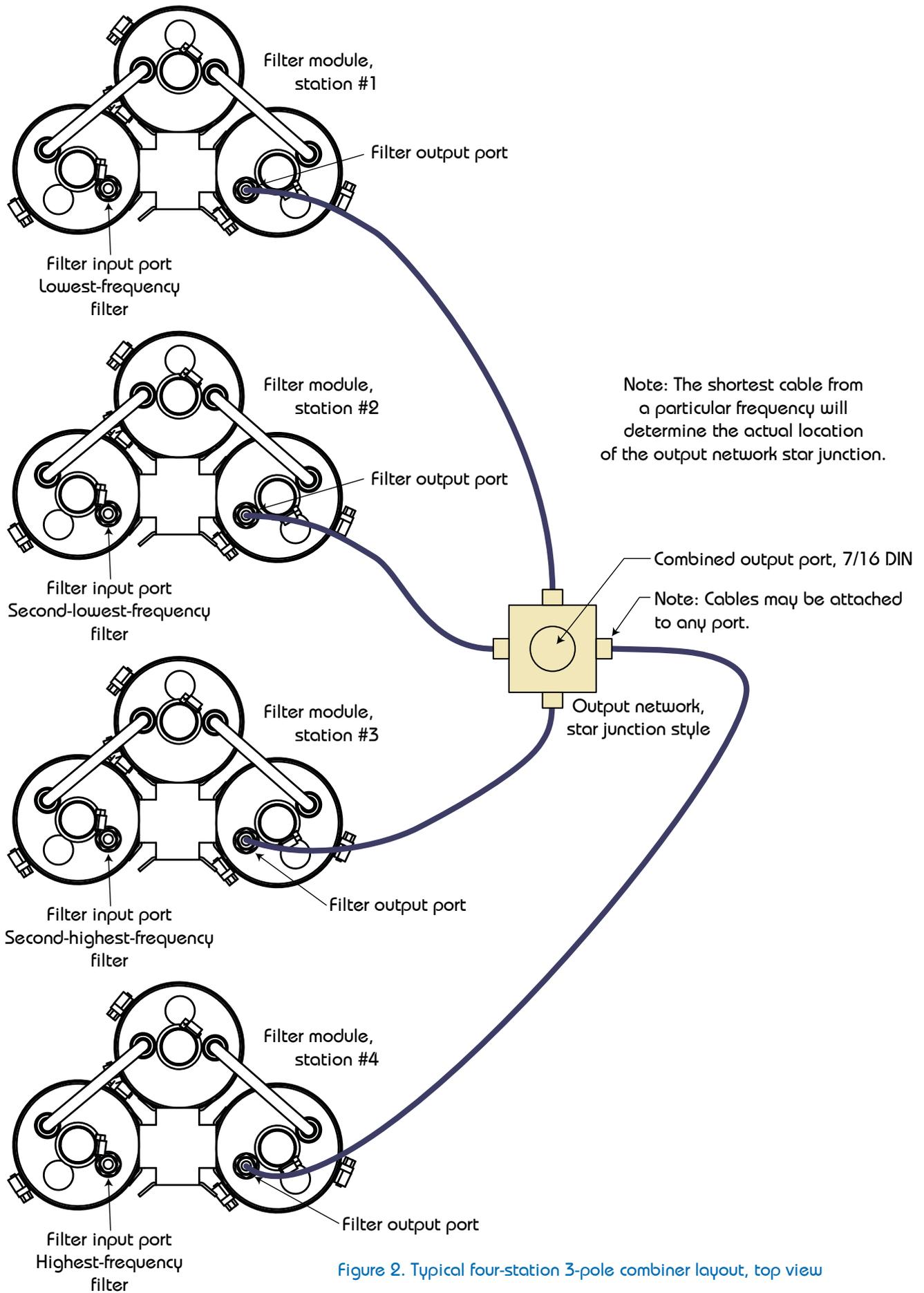


Figure 2. Typical four-station 3-pole combiner layout, top view