

Flowmeter Sensor Cable Installation Sheet

RFM 200 and RFM 200 Polyethylene

Parts

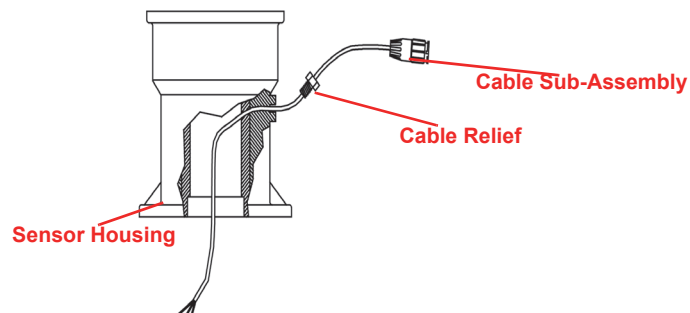
TABLE 1. RFM 200 and RFM 200 Polyethylene (Kit P/N 117-0159-441)

Description	Raven Part #	Qty
Cable Sub-Assembly	115-0159-512	1
Connector Sub-Assembly	063-0159-782	1
Cable Tie	435-1000-002	2
Installation Sheet	016-0159-437	1
Insulating Tubing	434-0105-012	1-1/2"
Screw (for Cast RFM 200) 2 - 56 x 5/16" LG	311-0011-030	2
Screw (for Ply RFM 200) 2 - 56 x 5/16" LG	311-0013-390	2
Screw (for Cast RFM 200) 2 - 56 x 5/16" LG	311-0013-368	2

Cable Installation

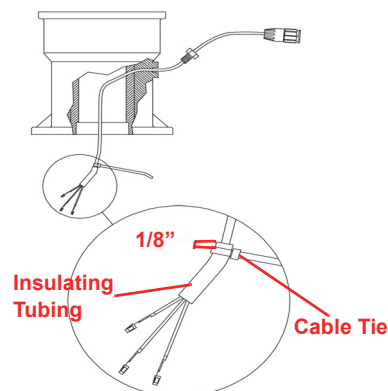
1. Insert the cable into the sensor housing.

FIGURE 1. Cable Installation



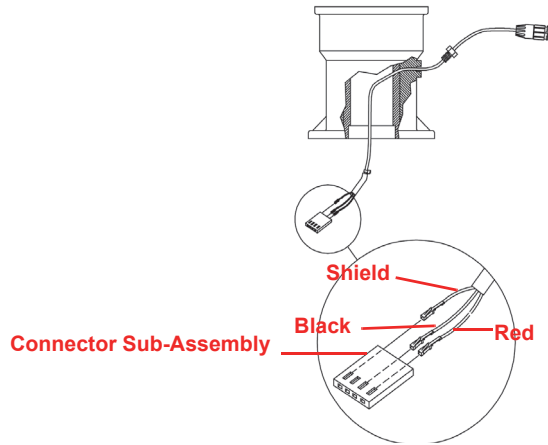
2. Slide tubing over the cable so it covers any exposed foil. Secure the tubing with a cable tie.

FIGURE 2. Insulating Tubing Installation



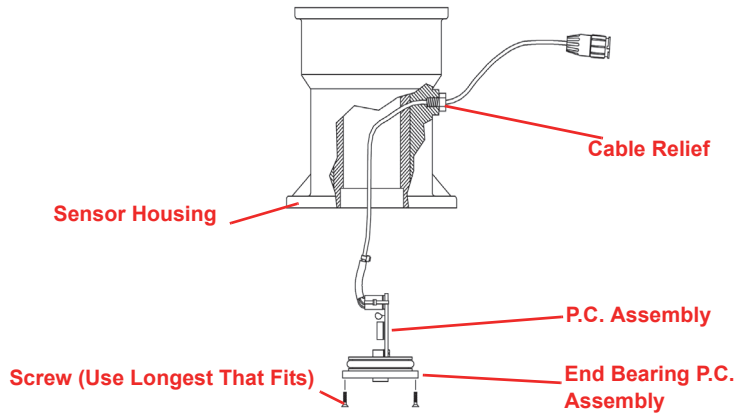
3. Insert terminals into connector housing. Verify that the terminals are seated securely.

FIGURE 3. Terminal Installation



4. Plug the connector into the P.C. board and secure with a cable tie. Assemble the end bearing into the sensor housing. Position the end bearing assembly as shown below. Tighten screws to 3 in/lb maximum. Install and tighten cable relief.

FIGURE 4. Plug Connector to P.C. Installation



RFM 100 Polyethylene

Parts

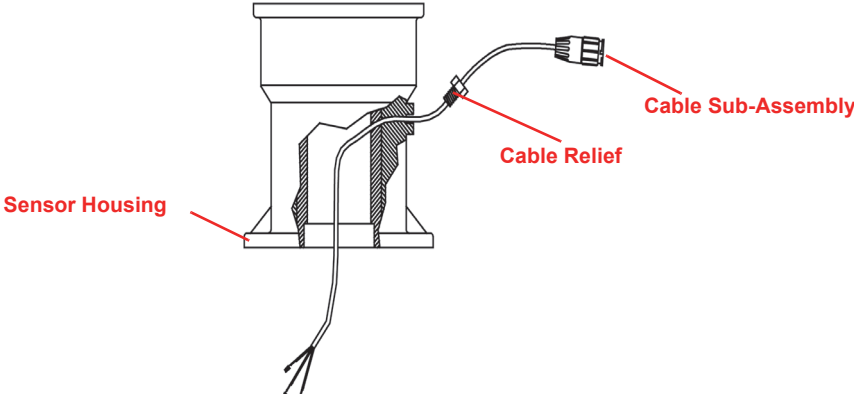
TABLE 2. (Kit P/N 117-0159-441)

Description	Raven Part #	Quantity
Cable Sub-Assembly	115-0159-512	1
Cable Tie	435-1000-002	2
Installation Sheet	016-0159-437	1
Connector Sub-Assembly	408-4001-340	1
Screw	311-0013-390	2

Cable Installation

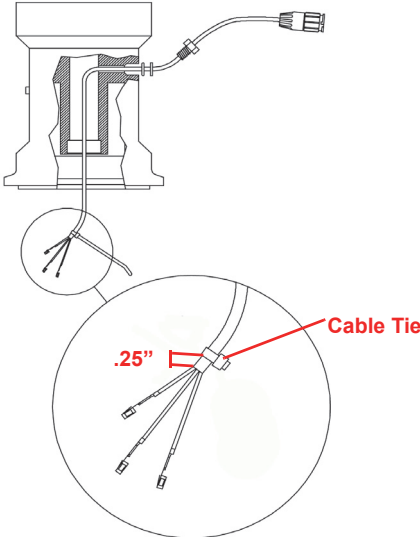
1. Insert the cable into the sensor housing.

FIGURE 5. Cable Installation



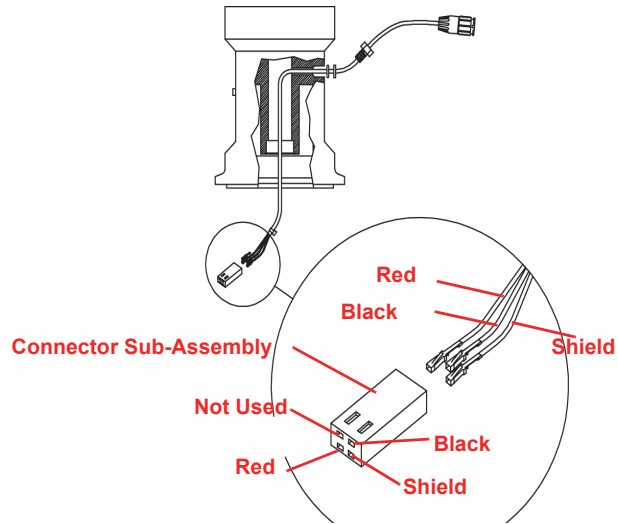
2. Slide the cable tie over the cable and position it approximately 1/4" from back from the cable jacket.

FIGURE 6. Cable Tie Location



3. Insert the terminals into the connector sub-assembly. Verify that the terminals are securely seated.

FIGURE 7. Terminal Connections



4. Plug the connector into the P.C. board and secure with a cable tie. Assemble the end bearing into the sensor housing. Position the end bearing assembly as shown below. Tighten screws to 3 in/lb maximum. Install and tighten cable relief.

FIGURE 8. Plug Connector to P.C. Installation

