

Step 1: Remove the d-sub backshell from the main 37-pin d-sub connector on the WH-RV12-TUNNEL harness. Insert the RV12-MUSIC harness, WH-P30 Trim Wires and WH-RV12-PTT-P and WH-RV12-PTT-CP Push To Talk Harnesses through the heat shrink and into the correct pin locations on the 37-pin d-sub male connector as shown in Figure 2. Check with a gentle tug that each wire has snapped into place. Slide the heat shrink supplied with the tunnel harness up the wires until its length is centered about the exit of the backshell then activate the heat shrink. Re-install the d-sub backshell.

Step 2: Behind and just below the rudder pedals separate from the WH-RV12-TUNNEL harness the WH-F58 (WHT/ORN), WH-F59 (WHT/YEL) and WH-F60 (WHT/BLK) wires and slip them through the ES HST 3/16 X 2" Heat Shrink. Insert the pins on the ends of the wires into the ES 205203-3 9-Pin D-Sub Female connector according to the diagram in Figure 3. Check with a gentle tug that each wire has snapped into place.

Step 3: Center the ES HST 3/16 X 2" Heat Shrink around the location where the wires will exit the ES 9 PIN BSHELL 9-Pin D-Sub Female Backshell. Activate the heat shrink. Install the backshell onto the ES 205203-3 9-Pin D-Sub Female connector. This connector will be used for EFIS data downloads and updates. Coil up any excess wire and then tie wrap the connector to the bundled harnesses approximately as shown in Figure 1.

Step 4: Double check that all clamp fasteners are tight. Add Plastic Tie Wraps 4.5" as needed. Tighten all tie wraps and trim off excess strap material. Tie off any loose harness ends (autopilot, AP74 25-pin d-sub coming off the WH-RV12-OPTIONAL harness etc..).

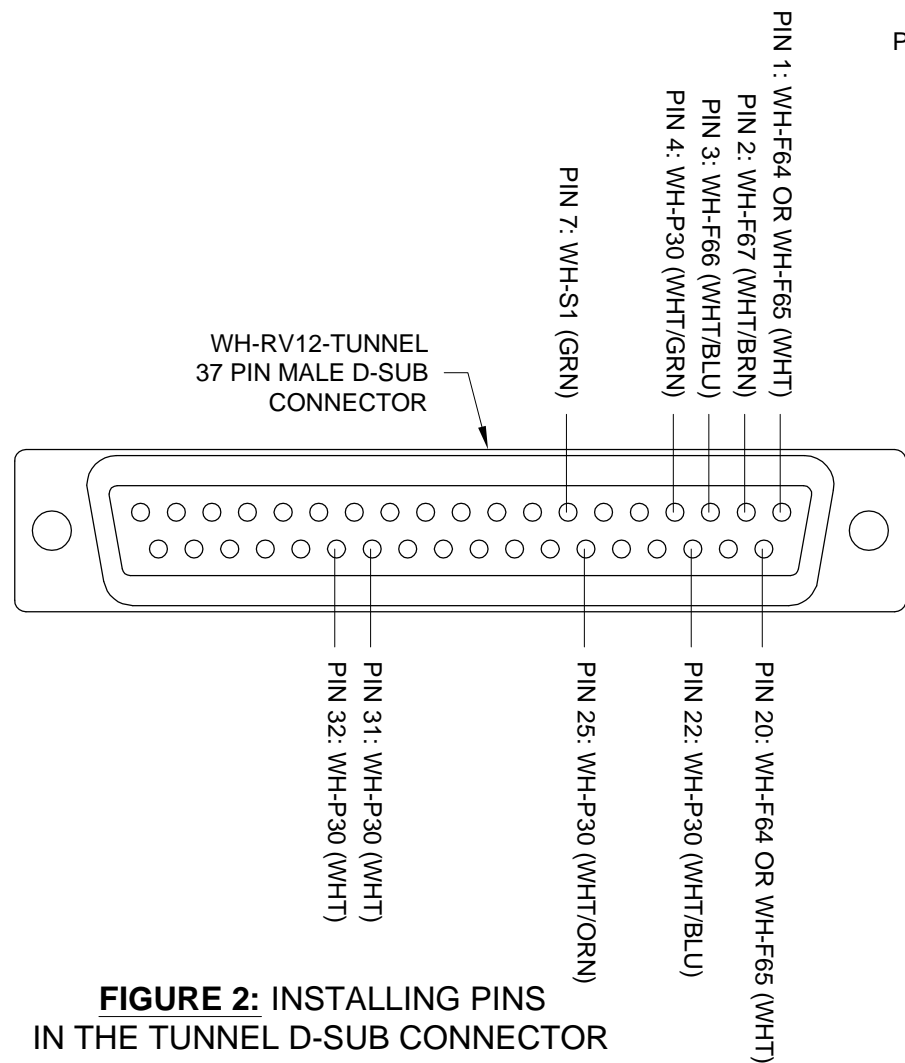
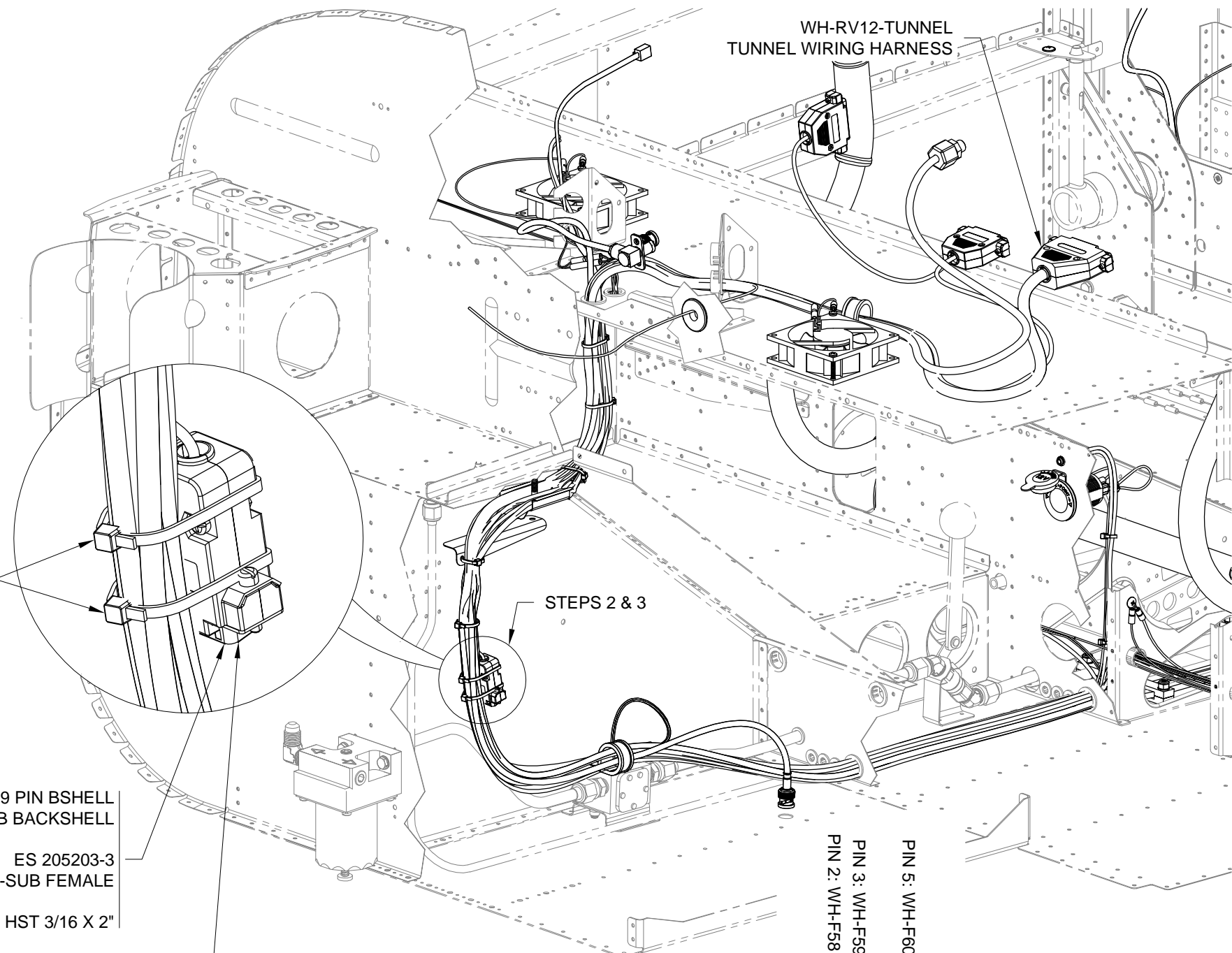


FIGURE 2: INSTALLING PINS IN THE TUNNEL D-SUB CONNECTOR (REAR VIEW / WIRE INSERTION SIDE)

PLASTIC TIE WRAP 5.5"

ES 9 PIN BSHELL
9 PIN D-SUB BACKSHELL
ES 205203-3
9 PIN D-SUB FEMALE
ES HST 3/16 X 2"



IF INSTALLING AN SL-30, GTX 328 OR GTX 330 ADD A NOTE ATTACHED TO THIS D-SUB TO DISCONNECT THEM FROM THE RV-12 CONTROL BOARD BEFORE CONDUCTING AN UPDATE OR DATA TRANSFER.

FIGURE 1: DATA D-SUB CONNECTOR AND D-SUB PINS

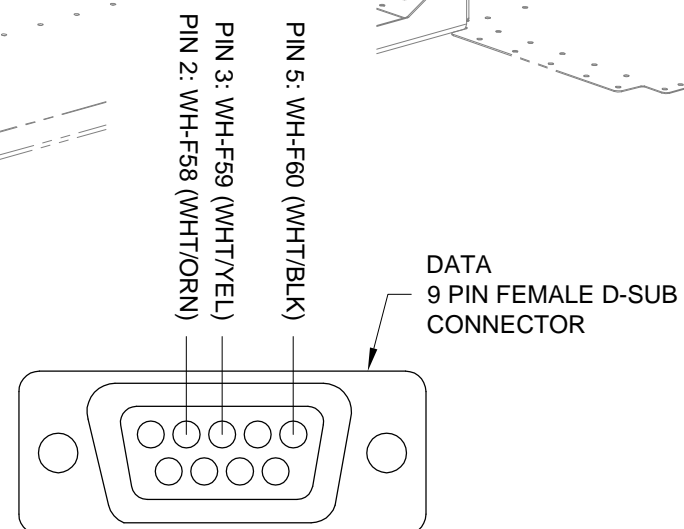


FIGURE 3: INSTALLING PINS IN THE DATA D-SUB CONNECTOR (REAR VIEW / WIRE INSERTION SIDE)