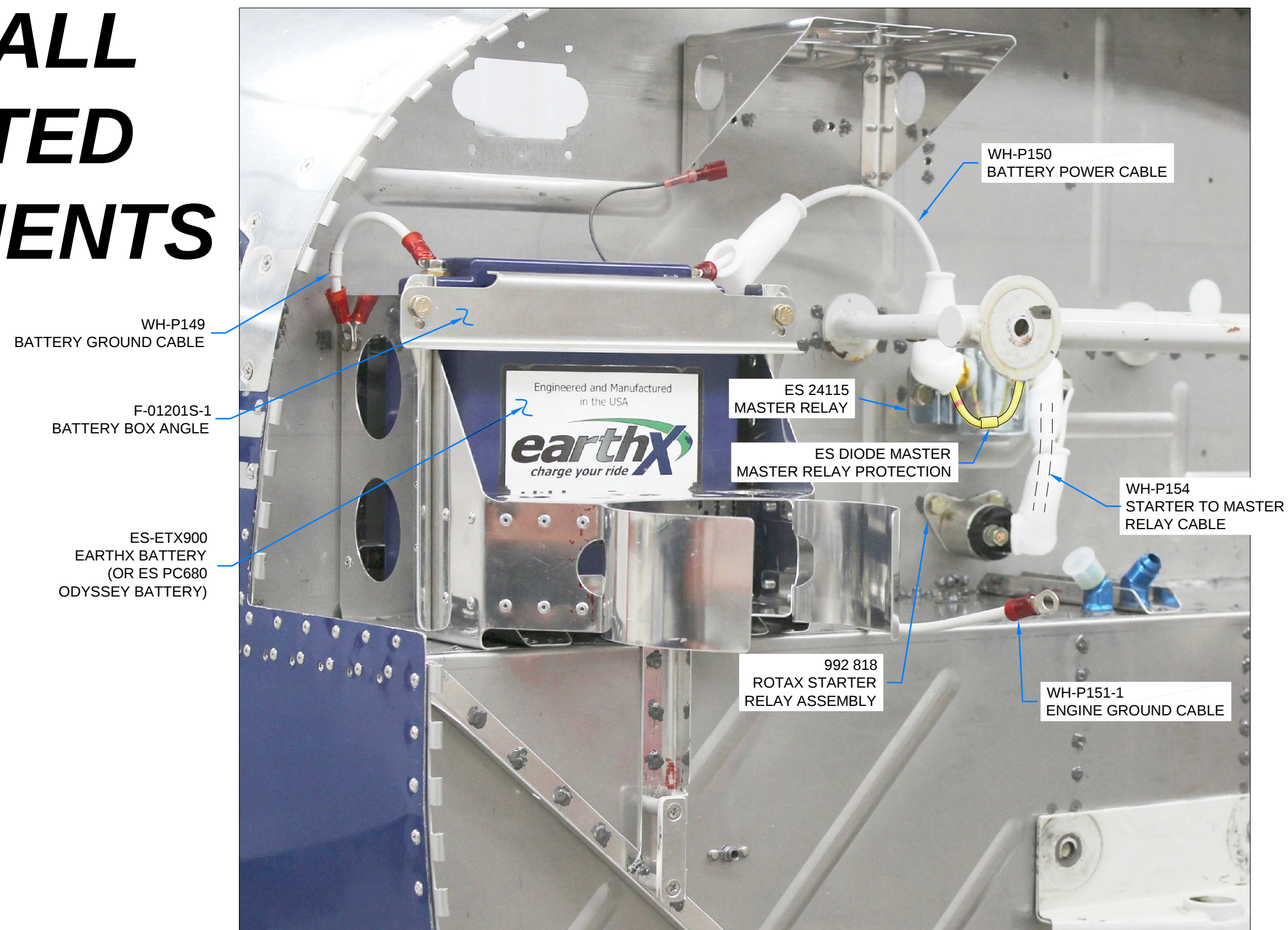


SECTION 45iS/U: FIREWALL MOUNTED COMPONENTS



NOTE: Check each step for applicability to the battery being installed (EarthX ETX900 vs. Odyssey PC680).

Step 1: (All) Install the ES 24115 and 992 818 to the F-01201A-1 Firewall Top using the hardware callouts in Figure 1.

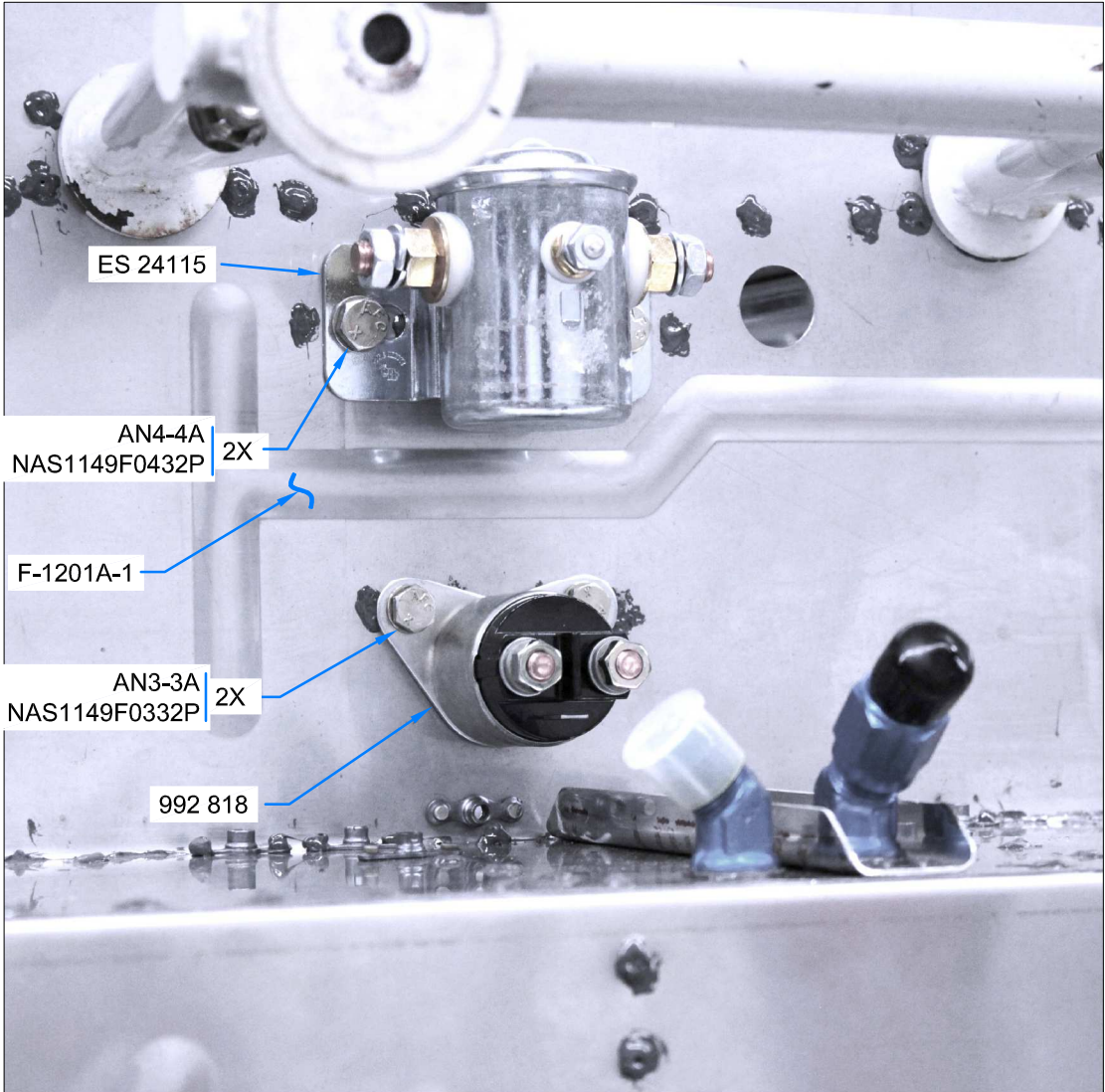


FIGURE 1: INSTALLING RELAYS

Step 2: (ES PC680 only) Fabricate two FF-01244 Battery Retainer Cushions by cutting 4.5 in. [114.3 mm] lengths of VA-204 SEAL STRIP. Trim the F-01201S-1 and install the two FF-01244 per the callouts in Figure 2. Scuff and clean the aluminum surface for better seal adhesion.

Step 3: (ETX900 only) Fabricate one FF-01244 Battery Retainer Cushion by cutting a 4.5 in. [114.3 mm] length of VA-204 SEAL STRIP. Install the FF-01244 as shown in Figure 3. Scuff and clean the aluminum surface for better seal adhesion.

NOTE: The Main Wiring Harness is provided in the Avionics Kit.

Step 4: (All) Install the wire harnesses per the callouts in Figure 4.

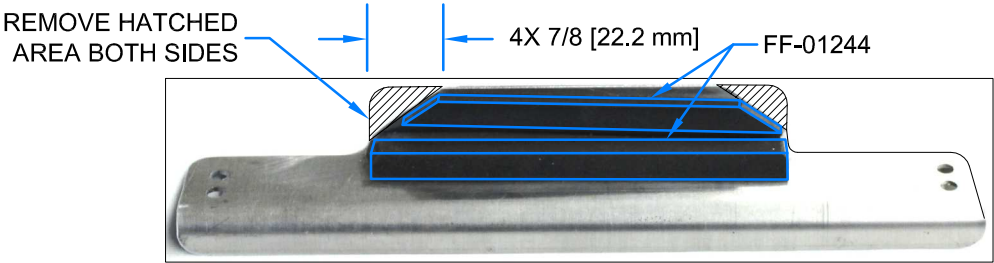


FIGURE 2: F-01201S-1 (ES PC680)

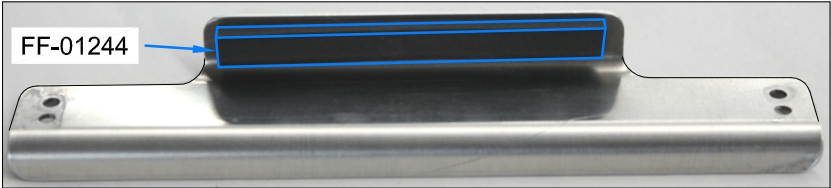


FIGURE 3: F-01201S-1 (ES ETX900)

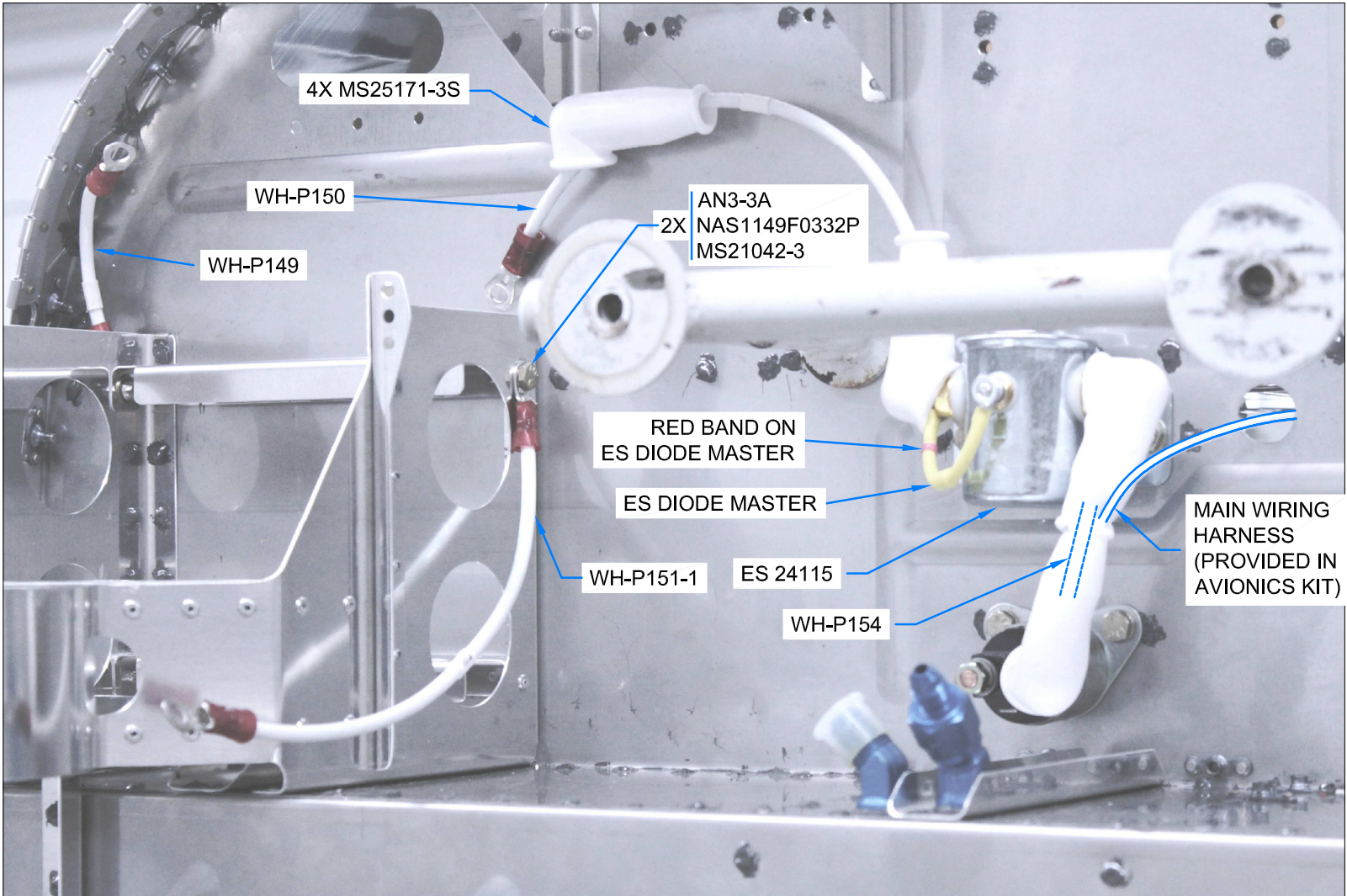
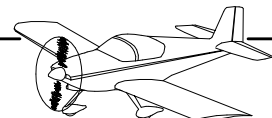


FIGURE 4: INSTALLING CABLES
(ULS SHOWN, IS SIMILAR)



WARNING: To prevent inadvertent electrical shorts, the negative battery cable should be left unattached until ready for use.

Step 1: (All) Make four 3 in. [76.2 mm] long F-1257B Battery Anti-Chafe Strips from MS21266-1N Grommet. Secure the F-1257B to the right two F-01257-1 Rudder Pedal Support Channels with a small smear of RTV or Fuel Tank Sealant in the positions shown in Figure 1.

Step 2: (All) Fabricate one FF-01246 Battery Box Tape by cutting a 0.5 in. X 6 in. [12.7 mm X 152.4 mm] strip from PS UHMW-005X3 .005" UHMW TAPE. Apply the FF-01246 to the forward face of the lower F-01201F-1 Battery Box Spacer as shown in Figure 1.

Step 3: (ES PC680 Only) Fabricate one FF-01244 Battery Retainer Cushion by cutting a 4.5 in. [114.3 mm] length of VA-204 SEAL STRIP. Attach the FF-01244 to the aft flange of the lower F-01201G-1 Battery Box Brace. See Figure 2.

Step 4: (ES PC680 Only) Install the ES PC680 Odyssey Battery and the F-01201S-1 Battery Box Angle using the hardware shown in Figure 2.

Step 5: (ES-ETX900 Only) Fabricate one FF-01246 Battery Box Tape by cutting a 0.5 in. X 6 in. [12.7 mm X 152.4 mm] strip from PS UHMW-005X3. Apply the FF-01246 to the aft face of the lower F-01201G-1. See Figure 4.

Step 6: (ES-ETX900 Only) Fabricate two FF-01245 Battery Box Cushions by cutting 6 in. [152.4 mm] lengths of SEAL-00003 FOAM PVC .375X.625. Install the FF-01245 as shown in Figure 3. Scuff and clean the battery box surface for better seal adhesion.

Step 7: (ES-ETX900 Only) Install the ES-ETX900 EarthX Battery and the F-01201S-1 using the hardware shown in Figure 4.

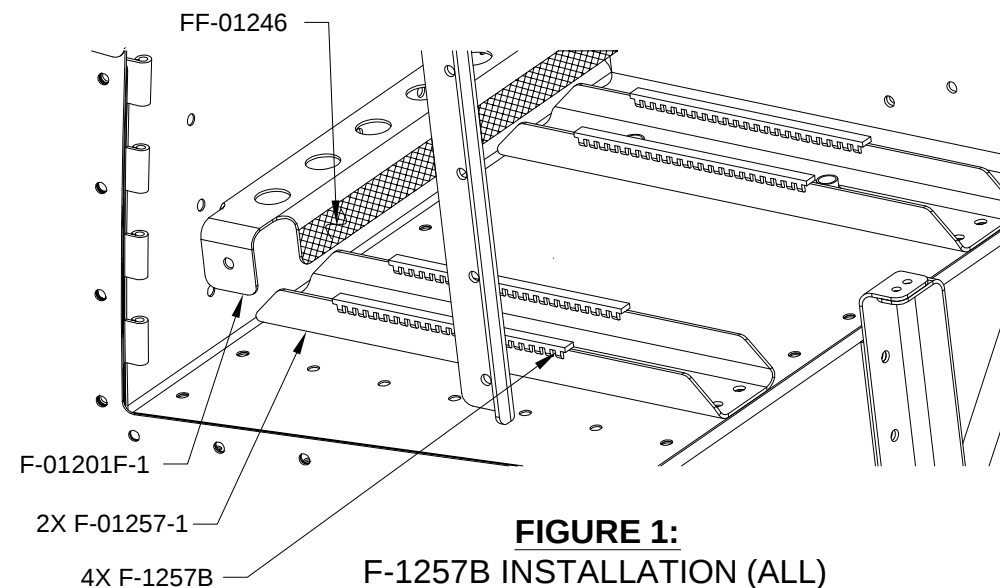


FIGURE 1:
F-1257B INSTALLATION (ALL)
(SOME PARTS NOT SHOWN FOR CLARITY)

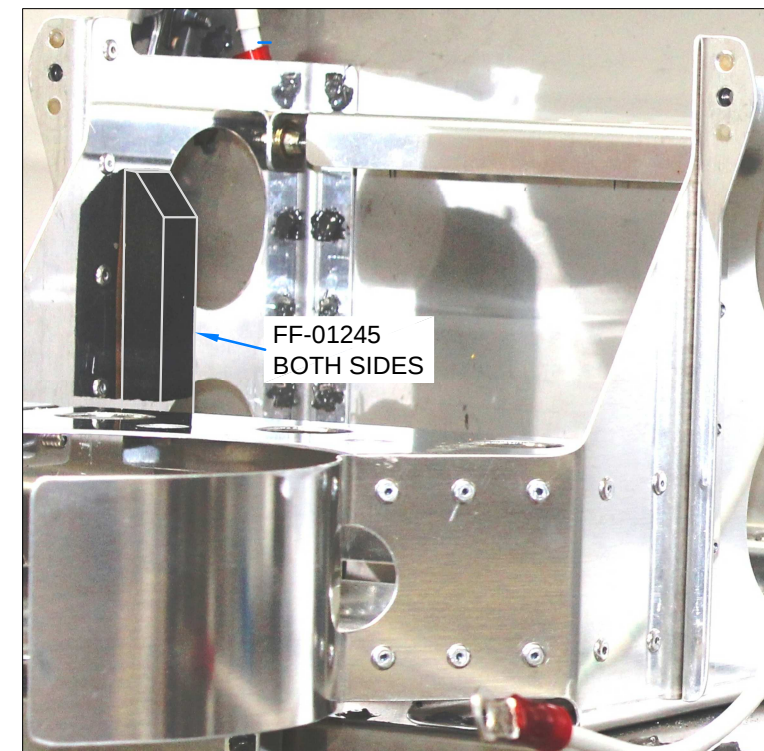


FIGURE 3: SPACER INSTALLATION (ES-ETX900)

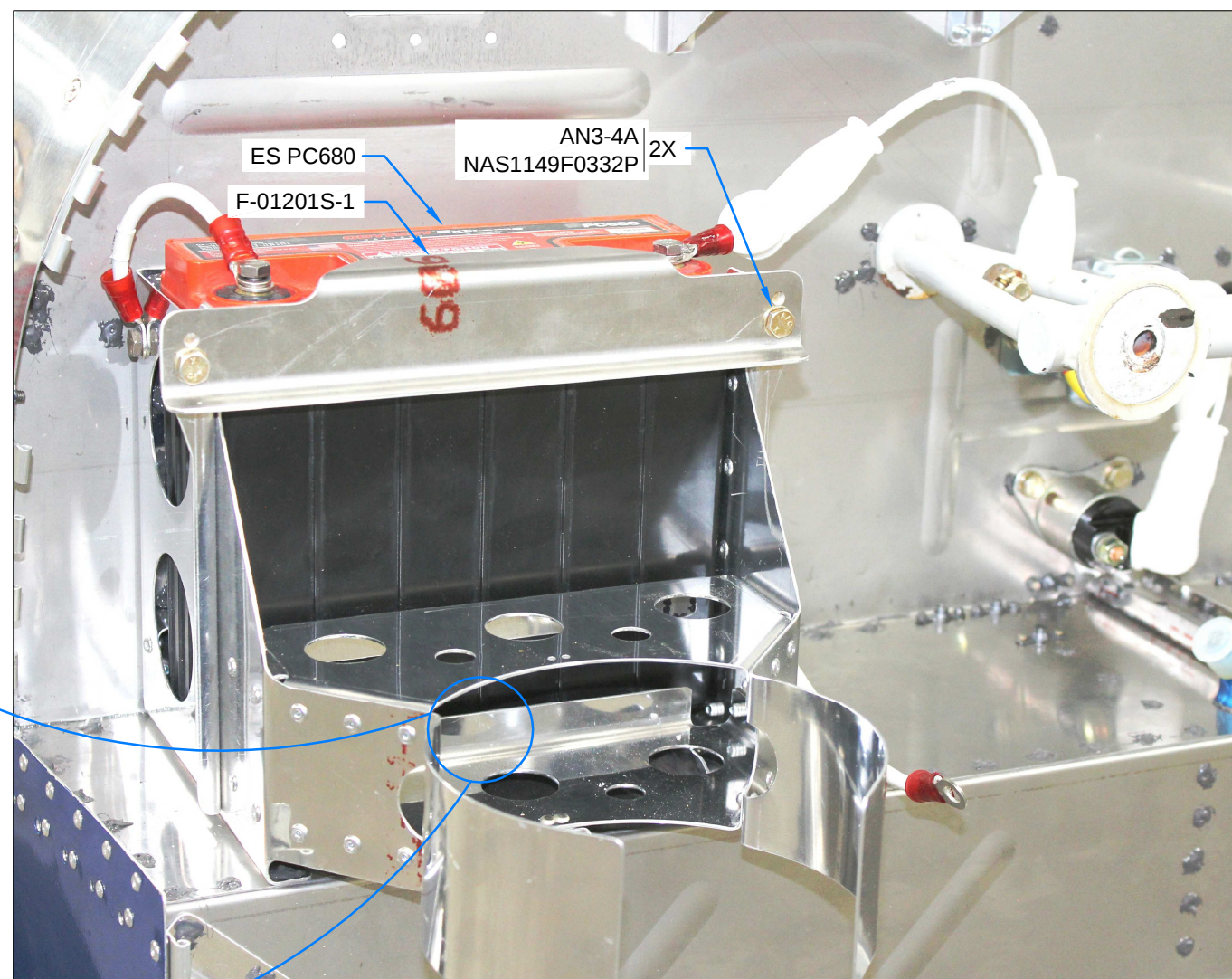
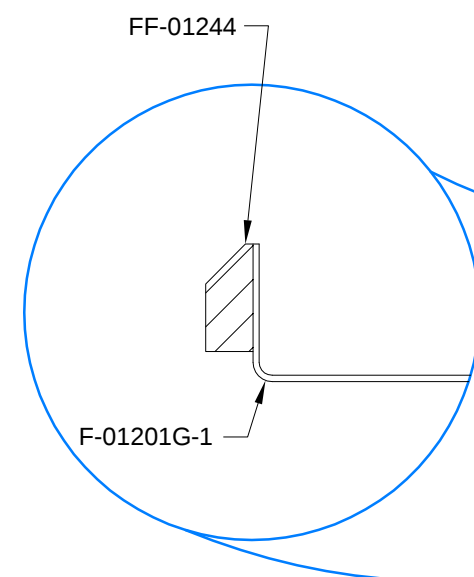


FIGURE 2:
BATTERY INSTALLATION (ES PC680)

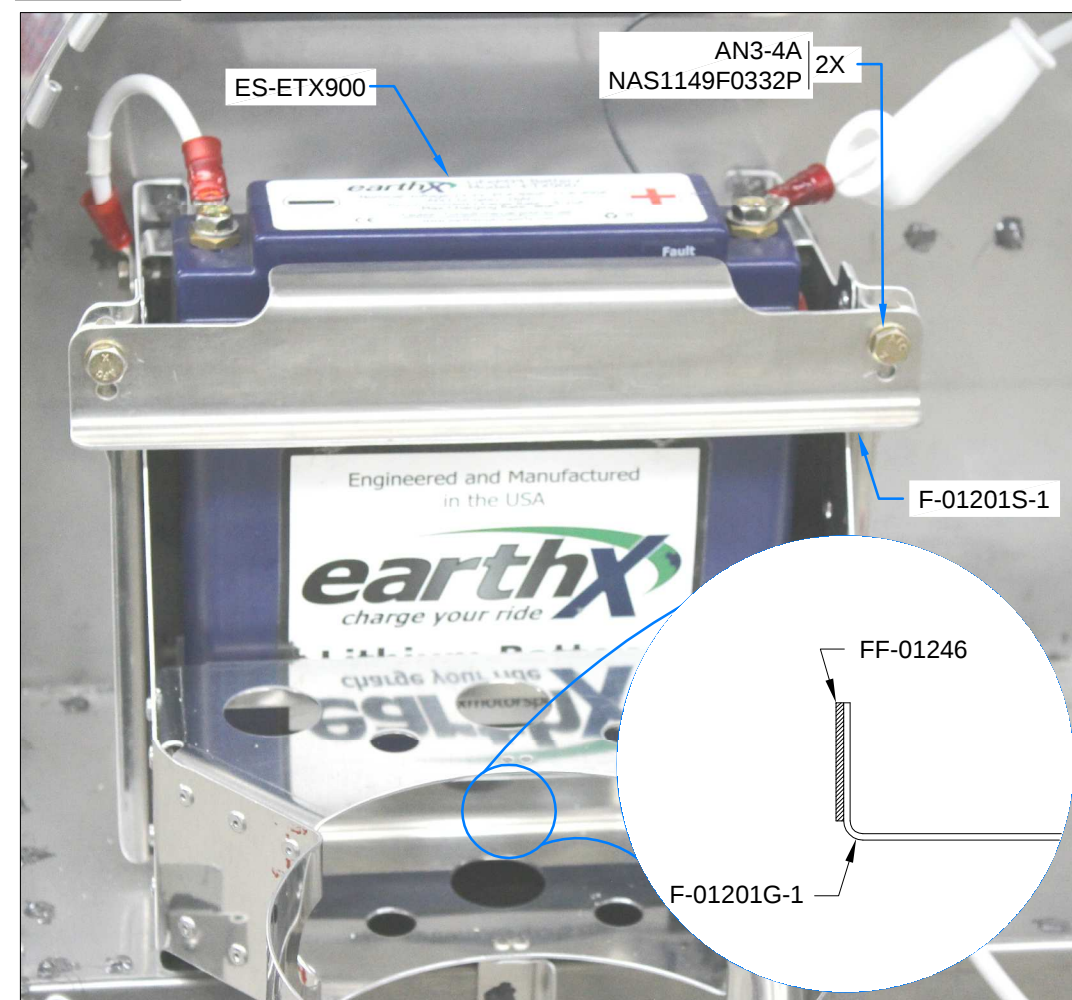


FIGURE 4:
BATTERY INSTALLATION (ES-ETX900)



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