

SPARS/FARS Changes for Sheltered SIM

To remove the SIM from the SPARS and place it in a Universal Outdoor Enclosure (UOE), the following changes are required.

FARS/SIM PCBA	07315.120	Delete wire antenna. Connect to stub antenna. Add R45: 0-Ohm resistor. Change POWER pigtail to 2-pin header (J31). Change TEM/HUM pigtail, J21, to 6-pin header (AMP 103168-1) Changes to board layout: - Filter capacitor on THERM - Resistor & clamp diodes on THERM, HUM, and HUMCAL - Move J21 header away from components (room for shroud). - .038" diameter holes for headers. - Move ground plane away from antenna metal.
TEMP/HUM cable	07330.050	Change connector to AMP 87631-1 or -2, with 1-87756-7 or -8 crimp. Change length to 38"
SIM PWR cable	07330.303	Change length to 33"
SOLAR PWR cable	07330.302	Length = 24" .
SOLAR/UV cable	07330.010	Change length to 48"
RAIN cable		Use SOLAR/UV cable (07330.010). Cut to length = 35"
JUNCT. BOARD	07315.058&9	Delete headers at J5A, 5B, 6, and 7. Delete header at J3, install SIM PWR cable (pigtail).
SIM COVER	07345.064	Open window for access to Temp/Hum connector (J21). Notch to clear antenna screw head.
VPro FARS, SPARS		Make same as 775X, except for Junction Board & Solar Panel Bkt. - 2 cap plates. No milled plates: 07345.090. - Hex spacers and screws, no standoffs.
UOE Base	07345.083	Add to product.
UOE Cover	07345.094	Add
Cable GROMMET	07342.800	Add 2. Modify: slit or high-flex material, or both.
Antenna GROMMET	07342.802	Add.
ANTENNA	07367.106	Add.
Hardware, mini-station	07345.333	Add.