# COMMUNICATIONS
# PARTS MANUAL
# DOMESTIC

## AD11350

**Revised:03/22/19**

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# COMMUNICATIONS PARTS MANUAL

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# COMMUNICATIONS PARTS MANUAL

# COMMUNICATIONS

Effective 10/2008


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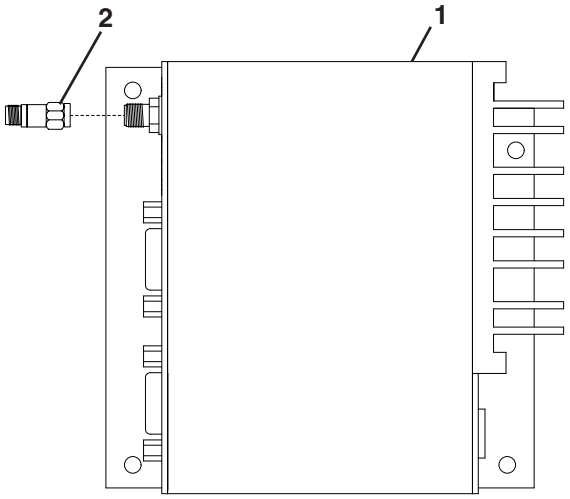



| SOFTWARE DESCRIPTION | PART # |
|---|---|
| Base Station 2 Setup CD | 9310898 |




**U.S. Robotics External Fax Modem - OBSOLETED July 2015..... 03E2200**

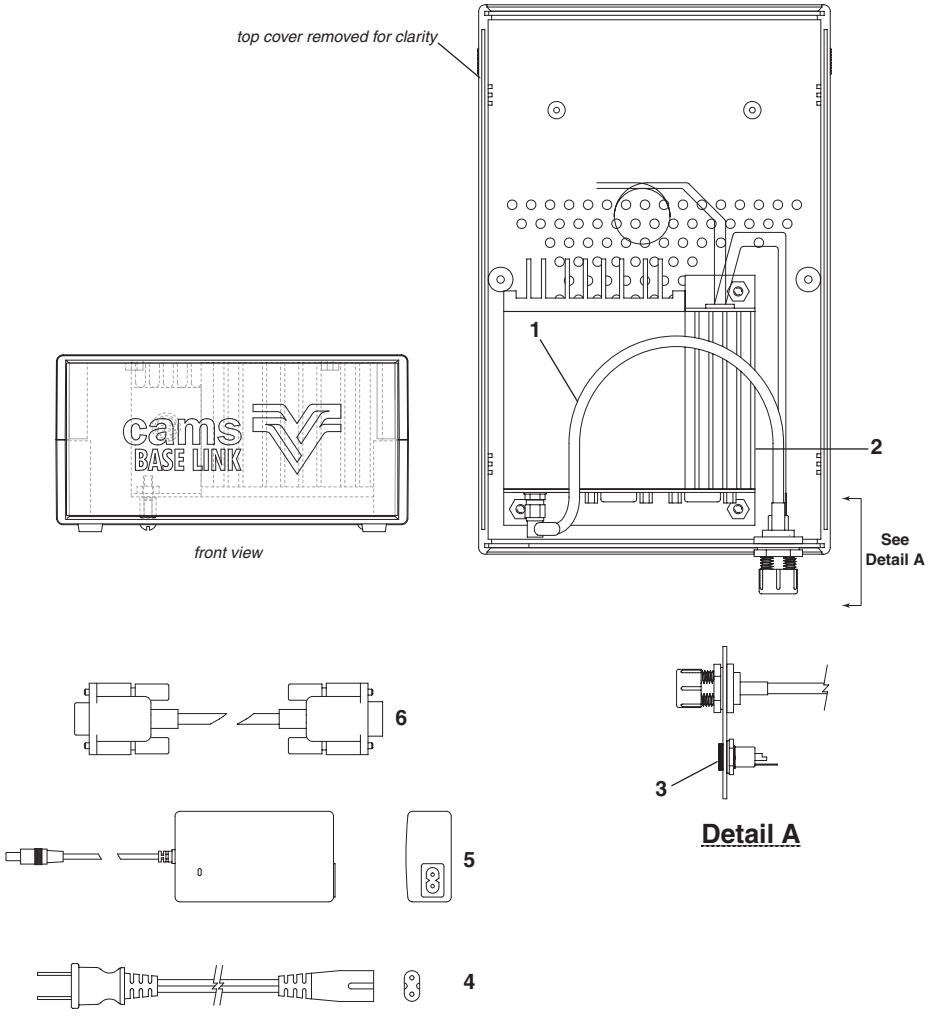

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| ITEM | DESCRIPTION | Model 242-4018-551 6.25/12.5 KHz VHF 138-174 MHz | Model 242-4048-551 6.25/12.5 KHz UHF 440-476 MHz | Model 242-4048-351 6.25/12.5 KHz UHF 406-440 MHz |
|---|---|---|---|---|
| 1 | Dataradio | 03E3241 | 03E3242 | 03E3243 |
| | Base Station w/Dataradio | 9311194 | 9311248 | 9311762 |
| | Repeater w/Dataradio | 9311196 | 9311250 | 9311794 |
| | Data Radio Panel Mount | 9311285 | 9311287 | 9311764 |
| | Auxiliary Link w/Dataradio 9600 | 9311197 | 9311251 | 9311796 OBSOLETE |
| | Aux. LInk w/Dataradio 9600 C0V4 | 9311198 | 9311252 | 9311797 OBSOLETE |
| | Aux. LInk w/Dataradio 9600 C1V3 | 9311199 | 9311253 | 9311798 OBSOLETE |
| | Aux. LInk w/Dataradio 9600 C2V2 | 9311200 | 9311254 | 9311799 OBSOLETE |
| | Aux. LInk w/Dataradio 9600 C3V1 | 9311201 | 9311255 | 9311800 OBSOLETE |
| | Aux. LInk w/Dataradio 9600 C4V0 | 9311202 | 9311256 | 9311801 OBSOLETE |
| | Multi-LInk w/Dataradio | 9311203 | 9311257 | 9311809 |
| | Panel Link Dataradio Kit | 931K893 OBSOLETE | 931K894 OBSOLETE | 932K315 OBSOLETE |
| | Base Station Dataradio Kit | 931K811 | 931K823 | 932K276 |
| | Dataradio in Shipping Box Kit | 1815046 | 1815047 | 1815048 OBSOLETE |
| | Repeater Dataradio in Shipping Box Kit | 9311196 | 9311250 | 9311794 |
| | Dataradio w/Surge Panel Mount Kit | KA09746 | KA09748 OBSOLETE | KA09926 |

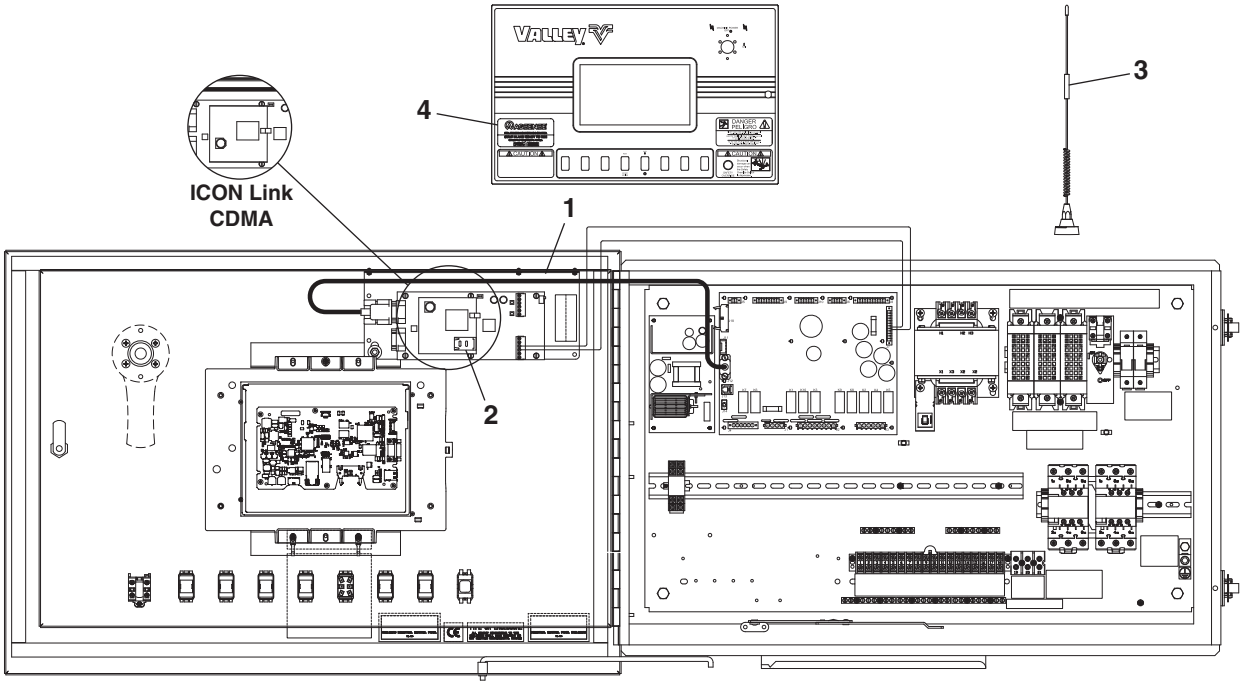
| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 2 | RF Attenuator, 10 dB, 2 W, 3 Ghz, SMA | 03E2685 |
| | RF Attenuator, 20 dB, 2 W, 3 Ghz, SMA | 03E2686 |
| | RF Attenuator, 30 dB, 2 W, 3 Ghz, SMA | 03E2687 |


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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | 90° SMA Male to N Female Bulkhead | 03E2440 |
| 2 | Dataradio - VHF 6.25KHz | 03E2554 |
| 3 | Power Jack - DC | 03E2450 |
| 4 | Power Cord - AC | 03E2442 |
| 5 | Power Supply | 03E2443 |
| 6 | DB9 Male to DB9 Female - 6' Extension | 03E2445 |


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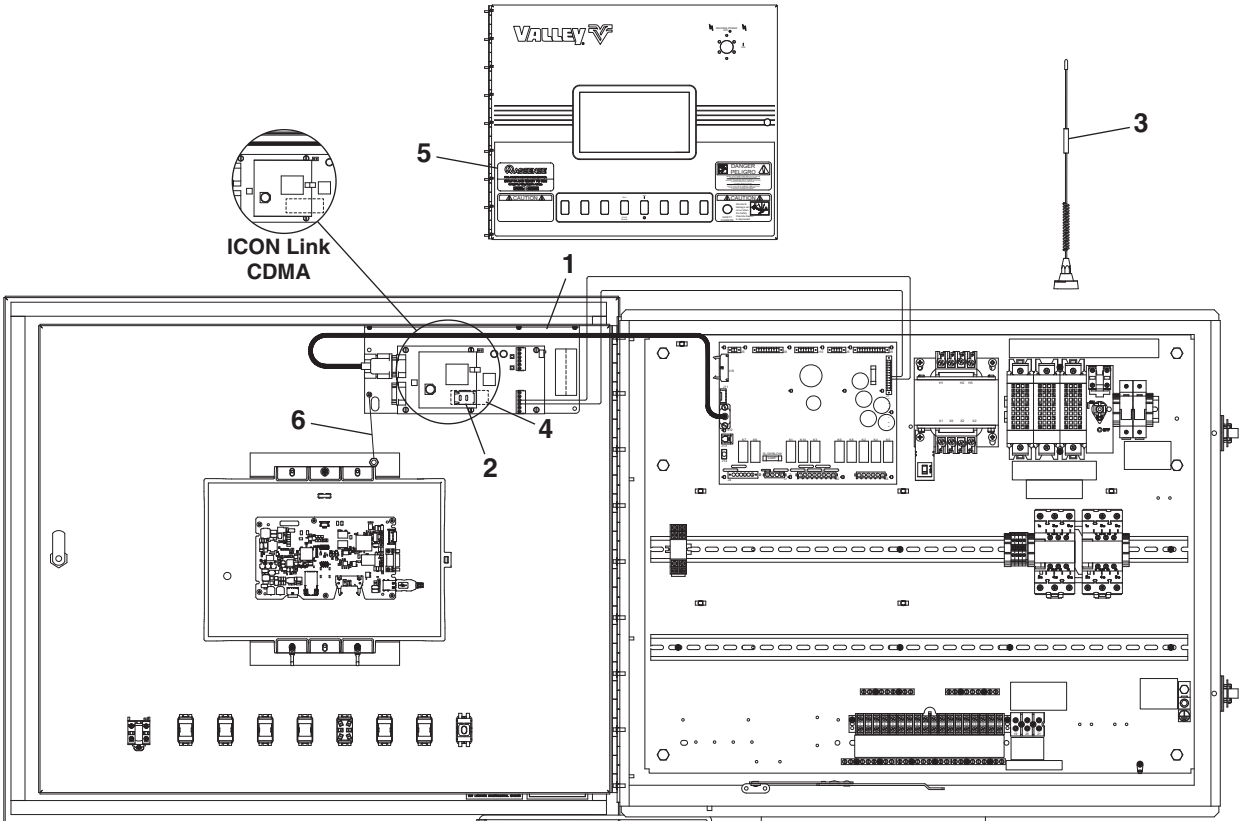



| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | ICON Link - GSM | 03E4099 |
| | - LTE - Verizon | 03E4098 |
| 2 | SIM Card - AT&T (Domestic) | KA02356 |
| | - Aeris (Global) | KA02710 |
| 3 | ICON Link Antenna Kit | 03E4108 |
| 4 | Decal - AgSense Enabled | 0999821 |

**ICON Link Parts Kit** ..... **03E4134**
**(incl. serial cable, power harness, pre-wired theft circuit relay, relay socket, self-tapping screws, serrated flange lock nuts & wire ties)**

**ICON Link Field Install Kit - GSM** ..... **KA02362**
**- LTE - Verizon** ..... **KA02361**


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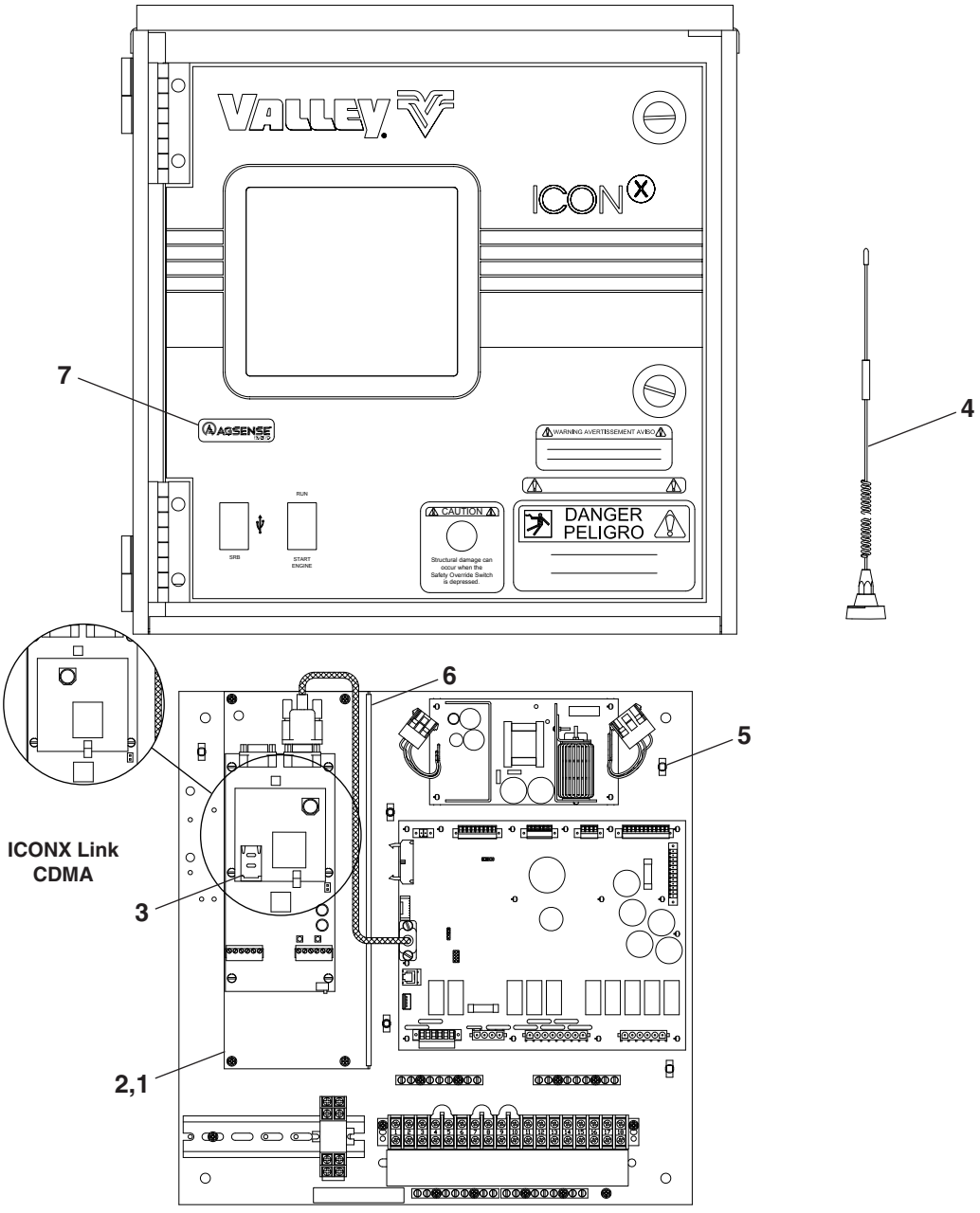



| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | ICON Link - GSM | 03E4099 |
| | - LTE - Verizon | 03E4098 |
| 2 | SIM Card - AT&T (Domestic) | KA02356 |
| | - Aeris (Global) | KA02710 |
| 3 | ICON Link Antenna Kit | 03E4108 |
| 4 | Gasket Material | 0991248 |
| 5 | Decal - AgSense Enabled | 0999821 |
| 6 | Ground Wire | 1815105 |

**ICON Link Parts Kit** ..... **03E4134**
**(incl. serial cable, power harness, pre-wired theft circuit relay, relay socket, self-tapping screws, serrated flange lock nuts & wire ties)**

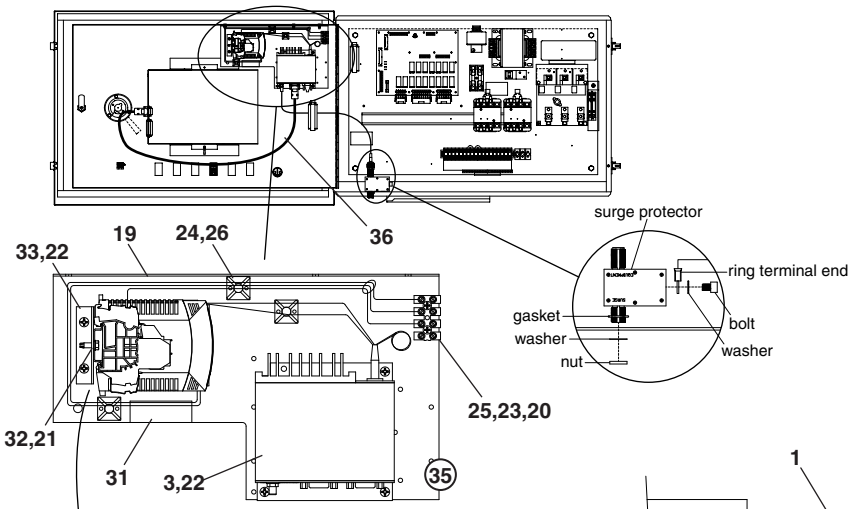
**ICON Link Field Install Kit - GSM** ..... **KA02362**
**- LTE - Verizon** ..... **KA02361**


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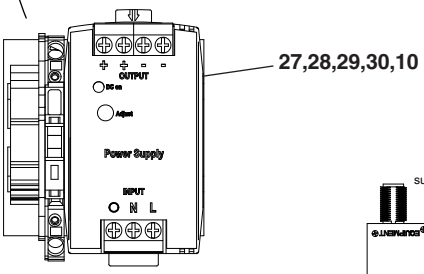



| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 2 | ICON Link - GSM | 03E4099 |
| | - LTE - Verizon | 03E4098 |
| 3 | SIM Card - AT&T (Domestic) | KA02356 |
| | - Aeris (Global) | KA02710 |
| 4 | ICON Link Antenna Kit | 03E4108 |
| 5 | Wire Tie Holder | 0994494 |
| 6 | Mounting Gasket - Rubber | 0998124 |
| 7 | Decal - AG-Sense Enabled | 0999821 |
| | ICON Link Parts Kit (contains hardware to mount ICON Link in multiple locations) | 03E4134 |
| | ICON Link Field Install Kit - GSM | KA02362 |
| | - LTE - Verizon | KA02361 |

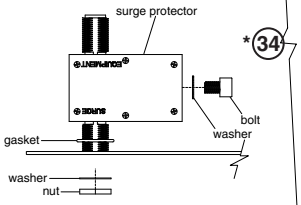

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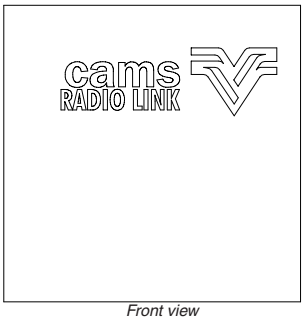

**Panel Mount Radio Link**



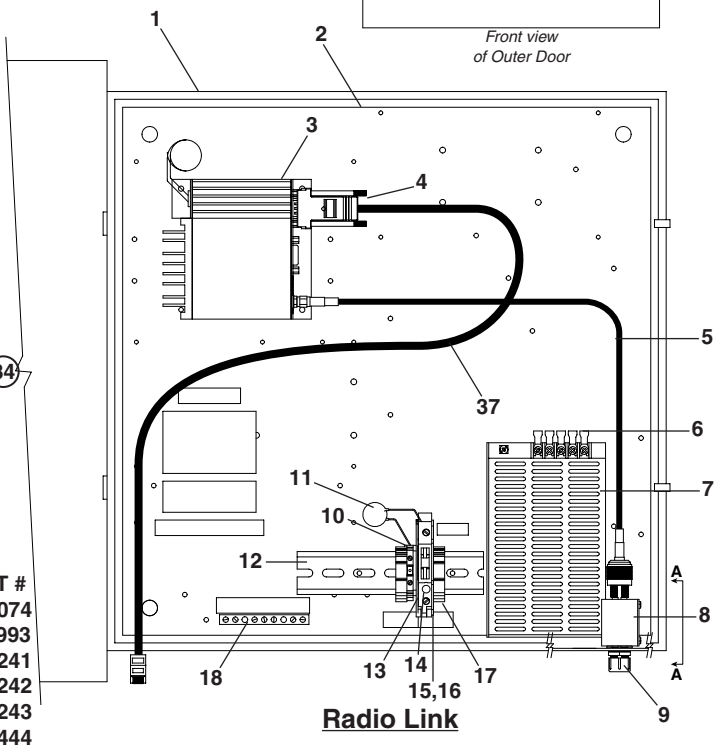

**POWER SUPPLY**




**VIEW A-A**




*Front view of Outer Door*

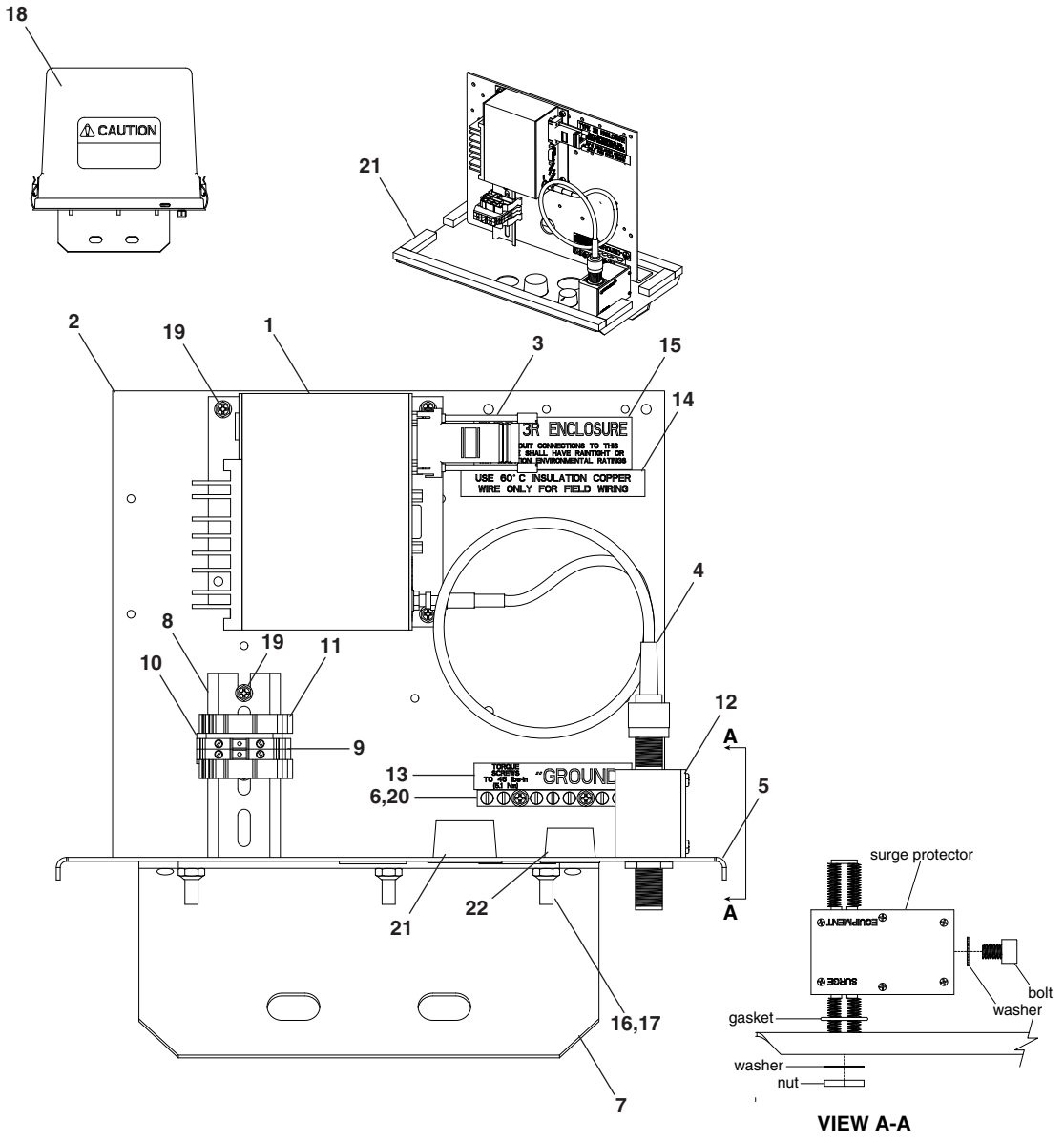



**Radio Link**

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Enclosure, 3R | 03E2074 |
| 2 | Remote Link Backpanel | 9310993 |
| 3 | Dataradio VHF - 6.25/12.5 KHz 138-174 MHz | 03E3241 |
| | Dataradio UHF - 6.25/12.5 KHz 440-476 MHz | 03E3242 |
| | Dataradio UHF - 6.25/12.5 KHz 406-440 MHz | 03E3243 |
| 4 | Connector - DB9 Male to RJ45 Female | 03E2444 |
| 5 | Antenna Jumper - N Male to SMA Male | 03E2434 |
| 6 | #6 Locking Fork Spade | 03E1134 |
| 7 | Power Supply - 15V 4A | 03E2447 |
| 8 | Surge Protector - 750W Coaxial | 03E3209 |
| 9 | Caplug | 0261057 |
| 10 | Fuseblock End Bracket - Rail Mount | 03E2996 |
| 11 | Transient Voltage Suppressor - 250V | 03E1782 |
| 12 | Channel Din Rail Mount - 6" Long | 9310608 |
| 13 | Terminal Block - Din Rail Mounted | 03E2994 |
| 14 | Din Rail End Cover | 03E2995 |
| 15 | Fuse - 250V 1A | 03E2081 |
| 16 | Fuseblock - Din Rail Mount 25A | 03E2997 |
| 17 | Fuseblock End Cover | 03E2998 |
| 18 | Ground Lug - 7 Terminal | 0315120 |
| 19 | Mounting Plate | 9312723 |
| 20 | #6 Hex Nut w/External Tooth Lock Washer | 0134058 |
| 21 | #8 x 1/2" Screw - Self-Tapping Phillips Head | 0161355 |
| 22 | #8 x 1/4" Screw - Self-Tapping Phillips Head | 0164226 |
| 23 | #6 x 5/8" Machine Screw - Phillips Pan Head | 0164252 |
| 24 | Wire Tie Holder - Self-Adhesive | 03E0046 |
| 25 | Terminal Strip - 4 Terminal | 03E0047 |
| 26 | Cable Tie - 5.50" Long | 03E1605 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 27 | Power Supply - 12VDC 54 W Class2 | 03E3468 |
| 28 | Disconnect Fuse - 2 Cond 5x20 Terminal Block | 03E3854 |
| 29 | Terminal Block End Cover - Disconnect Fuse | 03E3895 |
| 30 | Fuse - 2 Amp 250V 5x20 | 03E3911 |
| 31 | Decal - 2.0 Amp Fast Acting | 03E3912 |
| 32 | Din Rail Mount Channel - 2.50" | 9311988 |
| 33 | Din Rail Mount Bracket | 9312413 |
| 34 | RTU Assm. - 6.25 VHF - DISCONTINUED | 9311195 * |
| | - 6.25 UHF - DISCONTINUED | 9311249 * |
| | - 12.5 VHF - DISCONTINUED | 9311110 * |
| | - 12.5 UHF - DISCONTINUED | 9311239 * |
| | ***NOTE: For current Radio Link RTU Assemblies see Radio Link RTU Tower Box page in this manual.** | |
| 35 | Panel Mount - 6.25/12.5 KHz 138-174 MHz | 9311285 |
| | - 6.25/12.5 KHz 440-476 MHz | 9311287 |
| | - 6.25/12.5 KHz 406-440 MHz | 9311764 |
| 36 | Serial Cable - Panel Mount | 03E2648 |
| 37 | Serial Cable - External | 03E2446 |
| | **COMPLETE Dataradio Install Kit** | **KA09564** |
| | **(incl. Item 21 plus Fitting, Frequency Decal & Flex Conduit)** | |


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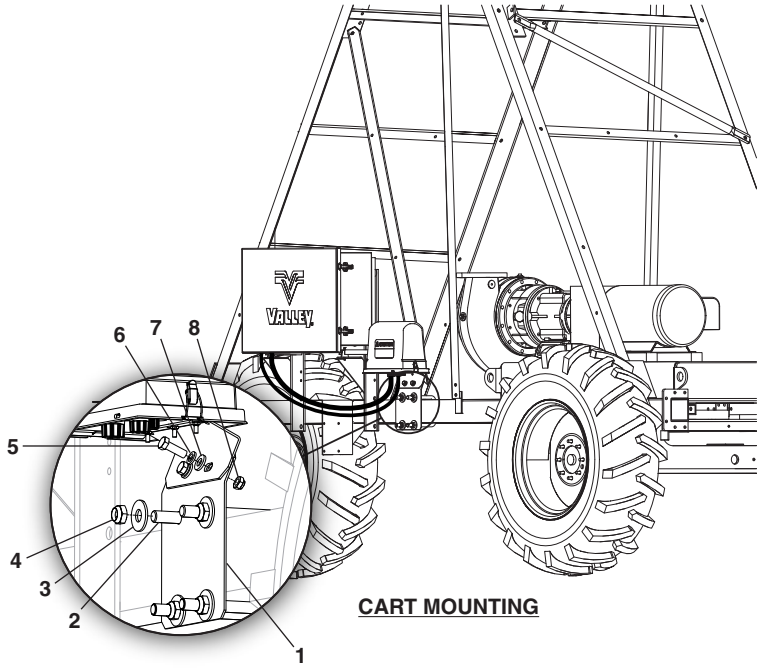



**VIEW A-A**

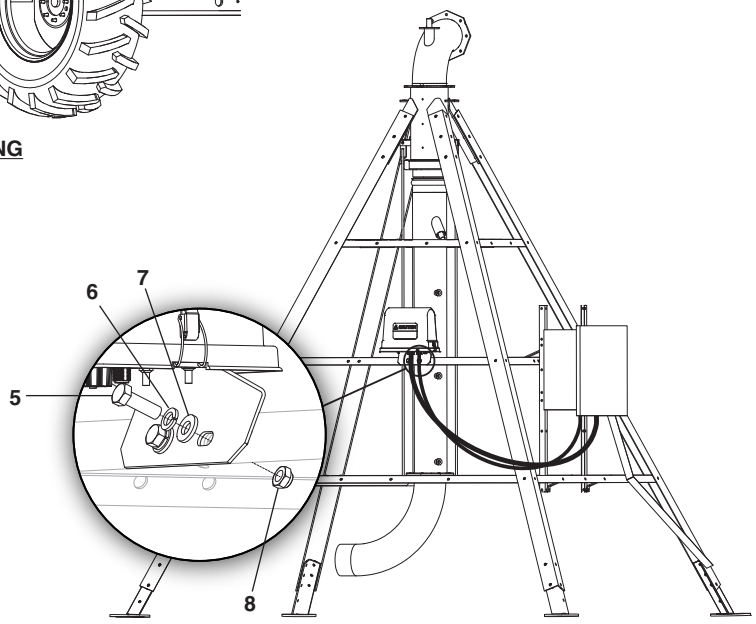
| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Dataradio VHF - 6.25/12.5 KHz 138-174 MHz | 03E3241 |
| | Dataradio UHF - 6.25/12.5 KHz 440-476 MHz | 03E3242 |
| | Dataradio UHF - 6.25/12.5 KHz 406-440 MHz | 03E3243 |
| 2 | Vertical Plate | 9311885 |
| 3 | Connector - DB9 Male to RJ45 Female | 03E2444 |
| 4 | Antenna Jumper | 03E2434 |
| 5 | Bottom Plate | 9311884 |
| 6 | Ground Lug | 0315120 |
| 7 | Pivot Mount Bracket | 9362856 |
| 8 | Din Rail - 3.5" Long | 9311122 |
| 9 | Terminal Block | 03E2994 |
| 10 | Terminal End Cover | 03E2995 |
| 11 | Din Rail Stop | 03E2996 |
| 12 | Surge Protector - 750W Coaxial | 03E3209 |
| 13 | Decal - Ground | 0992925 |
| 14 | Decal - Copper Wire Only | 0994836 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 15 | Decal - 3R Enclosure | 0996403 |
| 16 | 1/4" x 1" Cap Screw | 0161056 |
| 17 | 1/4" Lock Nut | 0133008 |
| 18 | Tower Box Cover Assm. - UL | 9311146 |
| 19 | #8 x 1/2" Phillips Head Self-Tapping Screw | 0161355 |
| 20 | #8 x 7/8" Phillips Head Self-Tappping Screw | 0161356 |
| 20 | Tower Box Gasket Kit | 0992071 |
| 21 | 14 Caplug | 0261012 |
| 22 | 12 Caplug | 0261008 |
| | RTU Tower Box 6.25/12.5 KHz 138-174 MHz | 1815046 |
| | RTU Tower Box Assm. 6.25/12.5 KHz 440-476 MHz | 1815047 |
| | RTU Tower Box Assm. 6.25/12.5 KHz 406-440 MHz | 1815048 |


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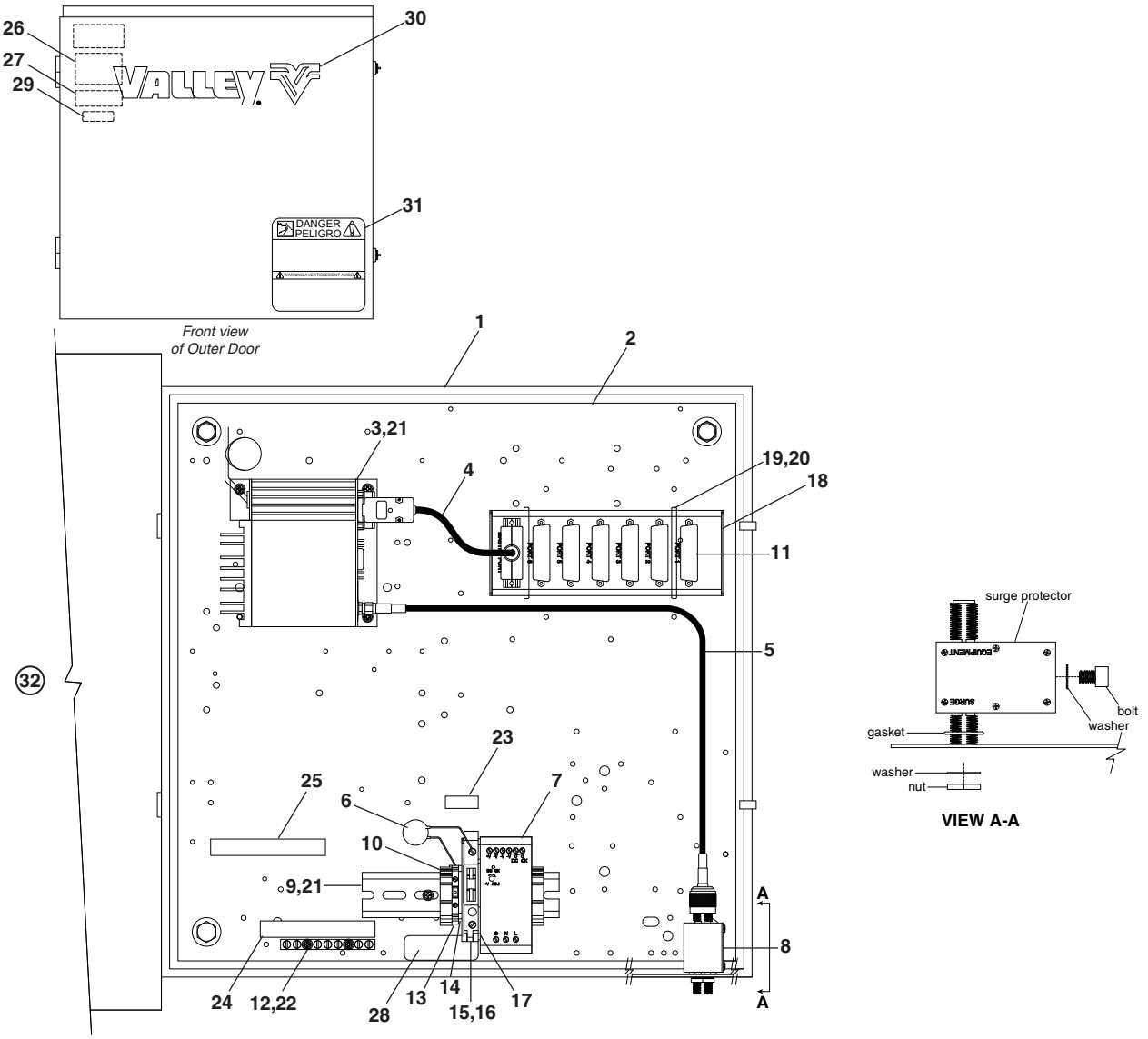

**CART MOUNTING**




**PIVOT MOUNTING**

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Mounting Bracket | 9364096 |
| 2 | 3/4" x 7" U-Bolt | 0176048 |
| 3 | 3/4" Flat Washer | 0142021 |
| 4 | 3/4" Lock Nut | 0133011 |
| 5 | 1/2" x 1-1/2" Cap Screw | 0161026 |
| 6 | 1/2" Lock Washer | 0141005 |
| 7 | 1/2" Flat Washer | 0142025 |
| 8 | 1/2" Lock Nut | 0133005 |

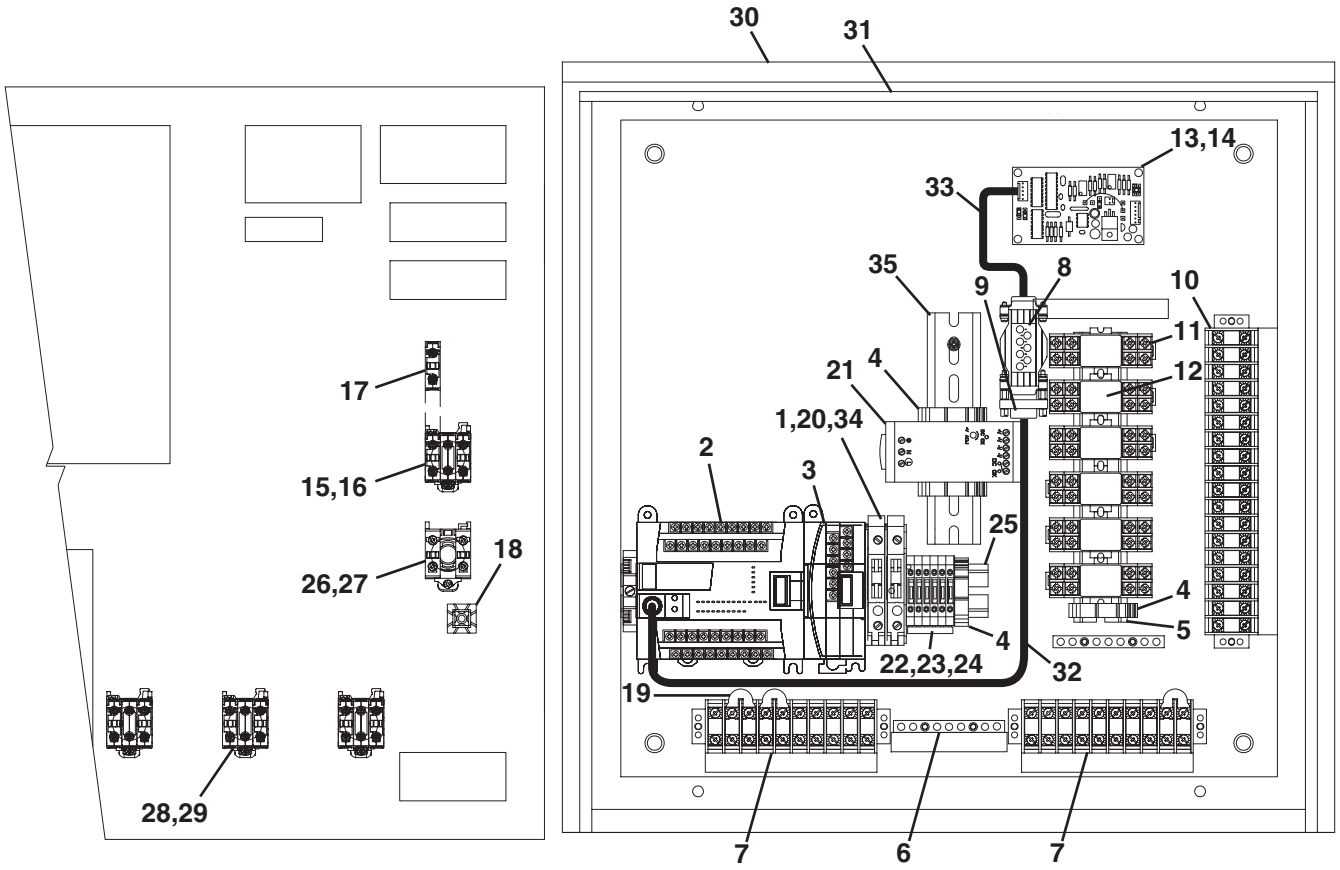

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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Enclosure, 3R | 03E2074 |
| 2 | Remote Link Backpanel | 9310993 |
| 3 | Dataradio VHF - 6.25/12.5 KHz 138-174 MHz | 03E3241 |
| | Dataradio UHF - 6.25/12.5 KHz 440-476 MHz | 03E3242 |
| | Dataradio UHF - 6.25/12.5 KHz 406-440 MHz | 03E3243 |
| 4 | Multi Link Dataradio Master Cable | 03E2264 |
| 5 | Antenna Jumper - N Male to SMA Male | 03E2434 |
| 6 | Transient Voltage Suppressor - 250V | 03E1782 |
| 7 | Power Supply - Dinrail Mount 12V 60W | 03E3018 |
| 8 | Antenna Surge Suppressor | 03E3209 |
| 9 | Dinrail Mount Channel - 6.00" | 9310608 |
| 10 | Dinrail End Stop | 03E2996 |
| 11 | Dust Cover - 25 Pin | 03E2262 |
| 12 | Ground Lug - 7 Terminal | 0315120 |
| 13 | Terminal Block - Dinrail Mounted | 03E2994 |
| 14 | Terminal Stop End Cover | 03E2995 |
| 15 | Fuse - 250V 1A | 03E2081 |
| 16 | Fuseblock - Dinrail Mount 25A | 03E2997 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 17 | Fuseblock End Cover | 03E2998 |
| 18 | Modem Splitter - 6 Port | 03E2265 |
| 19 | Winged Cable Tie Mount | 03E2263 |
| 20 | Cable Tie - 11" Long | 0314834 |
| 21 | #8 x 1/2" Screw - Self-Tapping Phillips Head | 0161355 |
| 22 | #8 x 7/8" Screw - Self-Tapping Phillips Head | 0161356 |
| 23 | Decal - 1.0 Amp Fuse | 03E2082 |
| 24 | Decal - Ground | 0992925 |
| 25 | Decal - Copper Wire Only | 0994836 |
| 26 | Decal - 3R Enclosure | 0996403 |
| 27 | Decal - UL Spec Nameplate | 0996505 |
| 28 | Decal - Neutral/120VAC Torque | 0996561 |
| 29 | Decal - Main Disconnect Switch | 0996562 |
| 30 | Decal - Valley Logo | 0997431 |
| 31 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 32 | Multi Link - 6.25/12.5 KHz 138-174 MHz | 9311203 |
| | - 6.25/12.5 KHz 440-476 MHz | 9311257 |
| | - 6.25/12.5 KHz 406-440 MHz - OBSOLETE | 9311809 |


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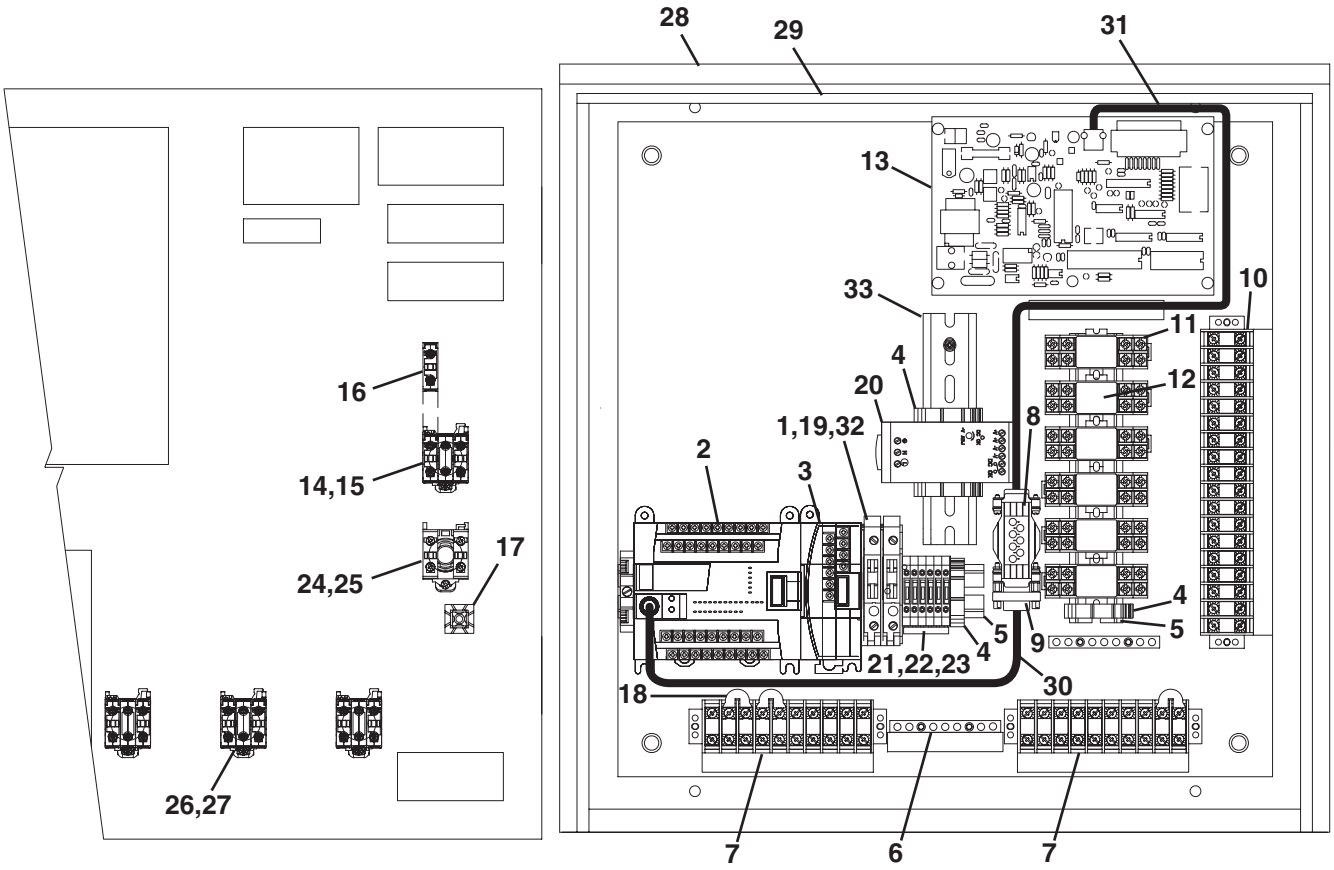

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Fuseblock - Din Rail Mount 25A | 03E2997 |
| 2 | Auxiliary Link PLC | (see note at bottom of page) |
| 3 | Auxiliary Link Analog Input Module | 03E2295 |
| 4 | Din Rail End Stop | 03E2996 |
| 5 | Din Rail - 7-1/2" Long | 9311041 |
| 6 | Ground Lug - 7 Terminal | 0315120 |
| 7 | 10 Pole Terminal Strip - 20A 600V | 03E1649 |
| 8 | Pocket Tester - DB-9 - OBSOLETE Jun 18 | 03E2316 |
| 9 | Null Modem Adapter - DB-9 | 03E2317 |
| 10 | 18 Pole Terminal Strip - 20A 600V | 03E1561 |
| 11 | 2 Pole Relay Socket | 03E2107 |
| 12 | Relay DPDT - 10A 120VAC | 03E2105 |
| 13 | CAMS RF Modem P.C.B. - 300 baud - OBS. Jun 18 | 03E1455 |
| 14 | Circuit Board Spacer - Snap-In | 03E0412 |
| 15 | 3-Position Switch - Green | 03E2297 |
| 16 | Switch Mounting Base | 03E2298 |
| 17 | Contact Block - N.O. | 03E2222 |
| 18 | Wire Tie - Self Adhesive | 03E0046 |
| 19 | Terminal Strip Edge Jumper | 03E1644 |
| 20 | Fuse, Fast Acting - 3.0A 250V | 03E1971 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 21 | Power Supply - 12V 60W | 03E3018 |
| 22 | Terminal Block Disconnect Switch | 03E2471 |
| 23 | Terminal Disconnect Switch End Cover | 03E2472 |
| 24 | Bridge - 6 Cond. | 9311134 |
| 25 | Din Rail - 9-1/2" Long | 9311128 |
| 26 | Push Button Switch | 03E2438 |
| 27 | Switch Mounting Base | 03E2439 |
| 28 | 3 Position Switch - Blue | 03E2459 |
| 29 | Switch Mounting Base | 03E2470 |
| 30 | Enclosure - 20 x 20 x 8 | 03E2074 |
| 31 | Remote/Auxiliary Link Backpanel | 9310993 |
| 32 | Auxiliary Link Cable | 03E2296 |
| 33 | Aux. Link Serial Cable - 300 Modem - OBS. Jun 18 | 1814312 |
| 34 | Fuse Block End Cover | 03E2998 |
| 35 | Din Rail - 6" Long | 9310608 |

**COMPLETE Auxiliary Link w/300 Baud Modem Assm. ..... 9311038**
**(OBSOLETE Jun 2018)**

**NOTE: See Aux. Link Controller Service Parts Chart in this section.**


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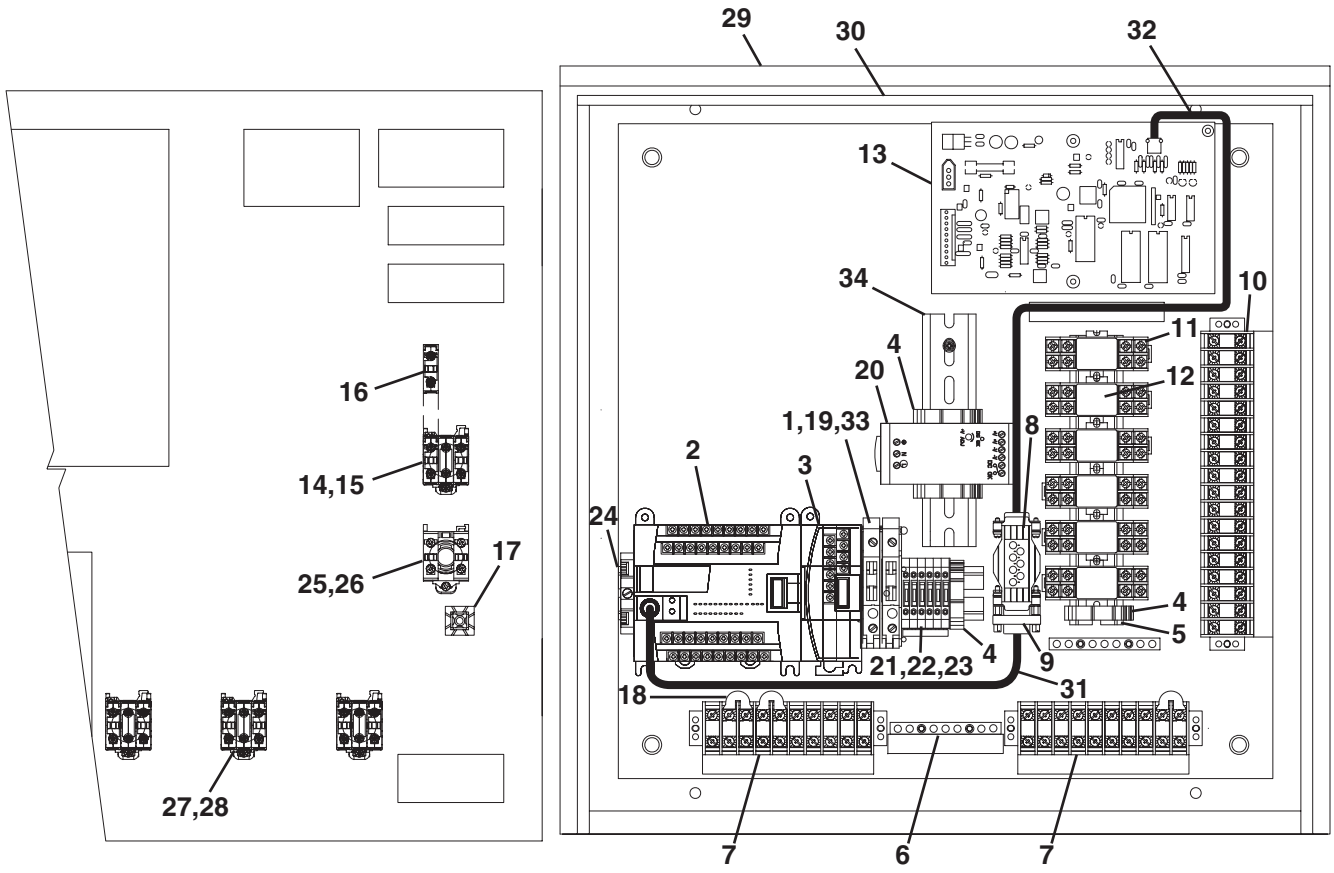

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Fuseblock - Din Rail Mount 25A | 03E2997 |
| 2 | Auxiliary Link PLC (see note at bottom of page) | |
| 3 | Auxiliary Link Analog Input Module | 03E2295 |
| 4 | Din Rail End Stop | 03E2996 |
| 5 | Din Rail - 7-1/2" Long | 9311041 |
| 6 | Ground Lug - 7 Terminal | 0315120 |
| 7 | 10 Pole Terminal Strip - 20A 600V | 03E1649 |
| 8 | Pocket Tester - DB-9 - OBSOLETE Jun 18 | 03E2316 |
| 9 | Null Modem Adapter - DB-9 | 03E2317 |
| 10 | 18 Pole Terminal Strip - 20A 600V | 03E1561 |
| 11 | 2 Pole Relay Socket - 10A 300V | 03E2107 |
| 12 | Relay DPDT - 10A 120VAC | 03E2105 |
| 13 | Valmont Pivot Phone Modem - OBSOLETE Jun 18 | 03E1816 |
| 14 | 3-Position Switch - Green | 03E2297 |
| 15 | Switch Mounting Base | 03E2298 |
| 16 | Contact Block - N.O. | 03E2222 |
| 17 | Wire Tie - Self Adhesive | 03E0046 |
| 18 | Terminal Strip Edge Jumper | 03E1644 |
| 19 | Fuse, Fast Acting - 3.0A 250V | 03E1971 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 20 | Power Supply -12V 60W | 03E3018 |
| 21 | Terminal Block Disconnect Switch | 03E2471 |
| 22 | Terminal Disconnect Switch End Cover | 03E2472 |
| 23 | Bridge - 6 Cond. | 9311134 |
| 24 | Push Button Switch | 03E2438 |
| 25 | Switch Mounting Base | 03E2439 |
| 26 | 3-Position Switch - Blue | 03E2459 |
| 27 | Switch Mounting Base | 03E2470 |
| 28 | Enclosure - 20 x 20 x 8 | 03E2074 |
| 29 | Remote/Auxiliary Link Backpanel | 9310993 |
| 30 | Auxiliary Link Cable | 03E2296 |
| 31 | Aux. Link Serial Cable - 1200 Modem - OBS. Jun 18. | 1814256 |
| 32 | Fuse Block End Cover | 03E2998 |
| 33 | Din Rail - 6" Long | 9310608 |

**COMPLETE Auxiliary Link w/Phone Modem Assm. ..... 9311043**
**(OBSOLETE Jun 2018)**

**NOTE: See Aux. Link Controller Service Parts Chart in this section.**


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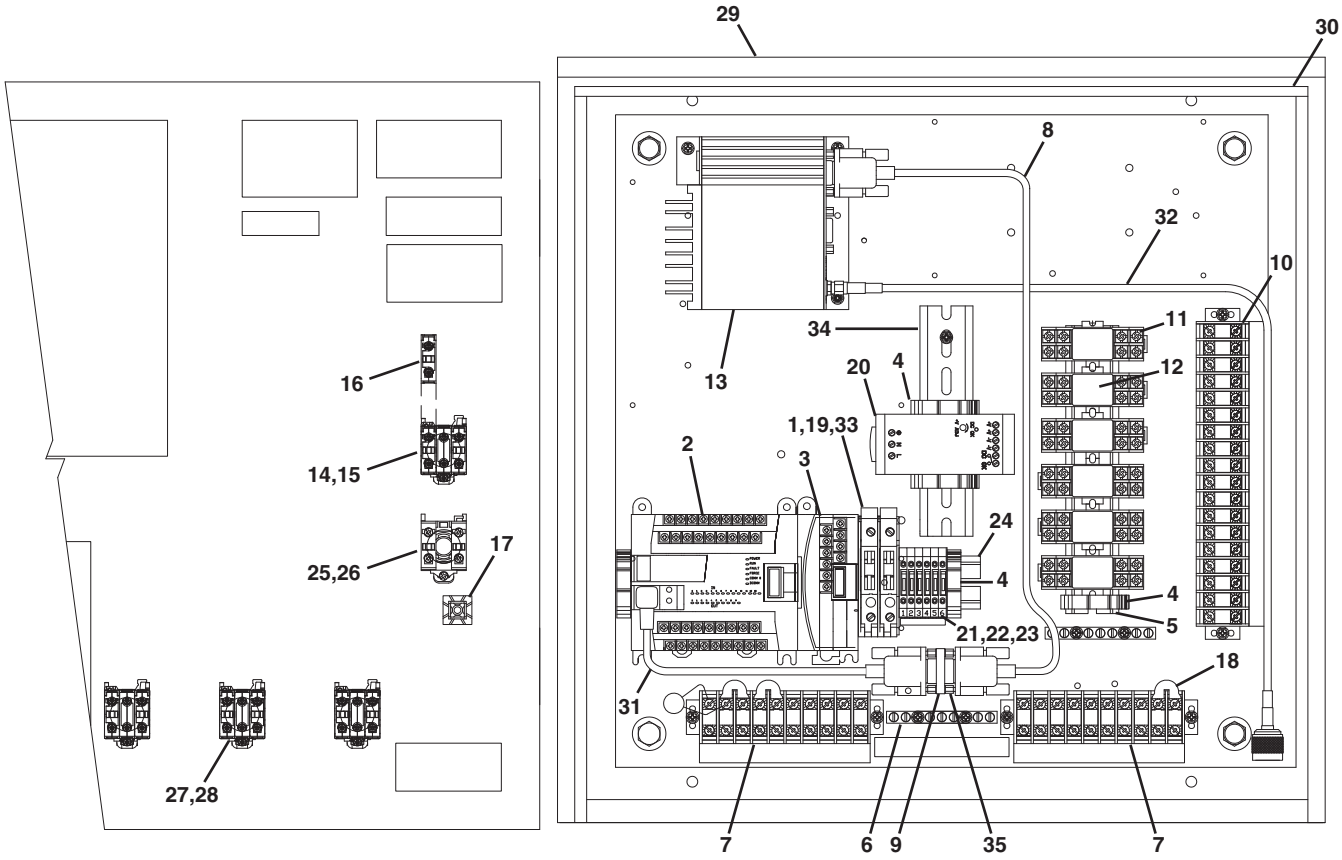

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Fuseblock - Din Rail Mount 25A | 03E2997 |
| 2 | Auxiliary Link PLC | (see note at bottom of page) |
| 3 | Auxiliary Link Analog Input Module | 03E2295 |
| 4 | Din Rail End Stop | 03E2996 |
| 5 | Din Rail - 7-1/2" Long | 9311041 |
| 6 | Ground Lug - 7 Terminal | 0315120 |
| 7 | 10 Pole Terminal Strip - 20 A 600V | 03E1649 |
| 8 | Pocket Tester - DB-9 - OBSOLETE Jun 18 | 03E2316 |
| 9 | Null Modem Adapter - DB-9 | 03E2317 |
| 10 | 18 Pole Terminal Strip - 20 A 600V | 03E1561 |
| 11 | 2 Pole Relay Socket | 03E2107 |
| 12 | Relay DPDT - 10 A 120VAC | 03E2105 |
| 13 | Valmont Pivot Radio Modem - 1200 baud - OBS.Jun18. | 03E1815 |
| 14 | 3-Position Switch - Green | 03E2297 |
| 15 | Switch Mounting Base | 03E2298 |
| 16 | Contact Block - N.O. | 03E2222 |
| 17 | Wire Tie - Self Adhesive | 03E0046 |
| 18 | Terminal Strip Edge Jumper | 03E1644 |
| 19 | Fuse, Fast Acting - 3.0 A 250V | 03E1971 |
| 20 | Power Supply - 12V 60W | 03E3018 |
| 21 | Terminal Block Disconnect Switch | 03E2471 |
| 22 | Terminal Disconnect Switch End Cover | 03E2472 |
| 23 | Bridge - 6 Cond. | 9311134 |
| 24 | Din Rail - 9-1/2" Long | 9311128 |
| 25 | Push Button Switch | 03E2438 |
| 26 | Switch Mounting Base | 03E2439 |
| 27 | 3-Position Switch - Blue | 03E2459 |
| 28 | Switch Mounting Base | 03E2470 |
| 29 | Enclosure - 20 x 20 x 8 | 03E2074 |
| 30 | Remote/Auxiliary Link Backpanel | 9310993 |
| 31 | Auxiliary Link Cable | 03E2296 |
| 32 | Aux. Link Serial Cable - 1200 Modem - OBS. Jun 18 | 1814256 |
| 33 | Fuse Block End Cover | 03E2998 |
| 34 | Din Rail - 6" Long | 9310608 |

COMPLETE Auxiliary Link w/1200 Radio Modem Assm. ..... 9311042
(OBSOLETE Jun 2018)

COMPLETE Auxiliary Link w/1200 Radio Modem Assm. w/o Power Supply (OBSOLETE Jun 2018) ..... 9311044

NOTE: See Aux. Link Controller Service Parts Chart in this section.


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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Fuseblock - Din Rail Mount 25A | 03E2997 |
| 2 | Auxiliary Link PLC | (see note 2 at bottom of page) |
| 3 | Auxiliary Link Analog Input Module | 03E2295 |
| 4 | Din Rail End Stop | 03E2996 |
| 5 | Din Rail - 7-1/2" Long | 9311041 |
| 6 | Ground Lug - 7 Terminal | 0315120 |
| 7 | 10 Pole Terminal Strip - 20 A 600V | 03E1649 |
| 8 | DB9 Male to DB9 Male - 6' Extension | 03E2449 |
| 9 | Null Modem Adapter - DB-9 | 03E2317 |
| 10 | 18 Pole Terminal Strip - 20 A 600V | 03E1561 |
| 11 | 2 Pole Relay Socket | 03E2107 |
| 12 | Relay DPDT - 10 A 120VAC | 03E2105 |
| 13 | Dataradio - VHF 6.25/12.5 KHz 138-174 MHz | 03E3241 |
| | - UHF 6.25/12.5 KHz 406-440 MHz | 03E3243 |
| | - UHF 6.25/12.5 KHz 440-476 MHz | 03E3242 |
| 14 | 3-Position Switch - Green | 03E2297 |
| 15 | Switch Mounting Base | 03E2298 |
| 16 | Contact Block - N.O. | 03E2222 |
| 17 | Wire Tie - Self Adhesive | 03E0046 |
| 18 | Terminal Strip Edge Jumper | 03E1644 |
| 19 | Fuse, Fast Acting - 3.0 A 250V | 03E1971 |
| 20 | Power Supply - 12V 60W | 03E3018 |
| 21 | Terminal Block Disconnect Switch | 03E2471 |
| 22 | Terminal Disconnect Switch End Cover | 03E2472 |
| 23 | Bridge - 6 Cond | 9311134 |

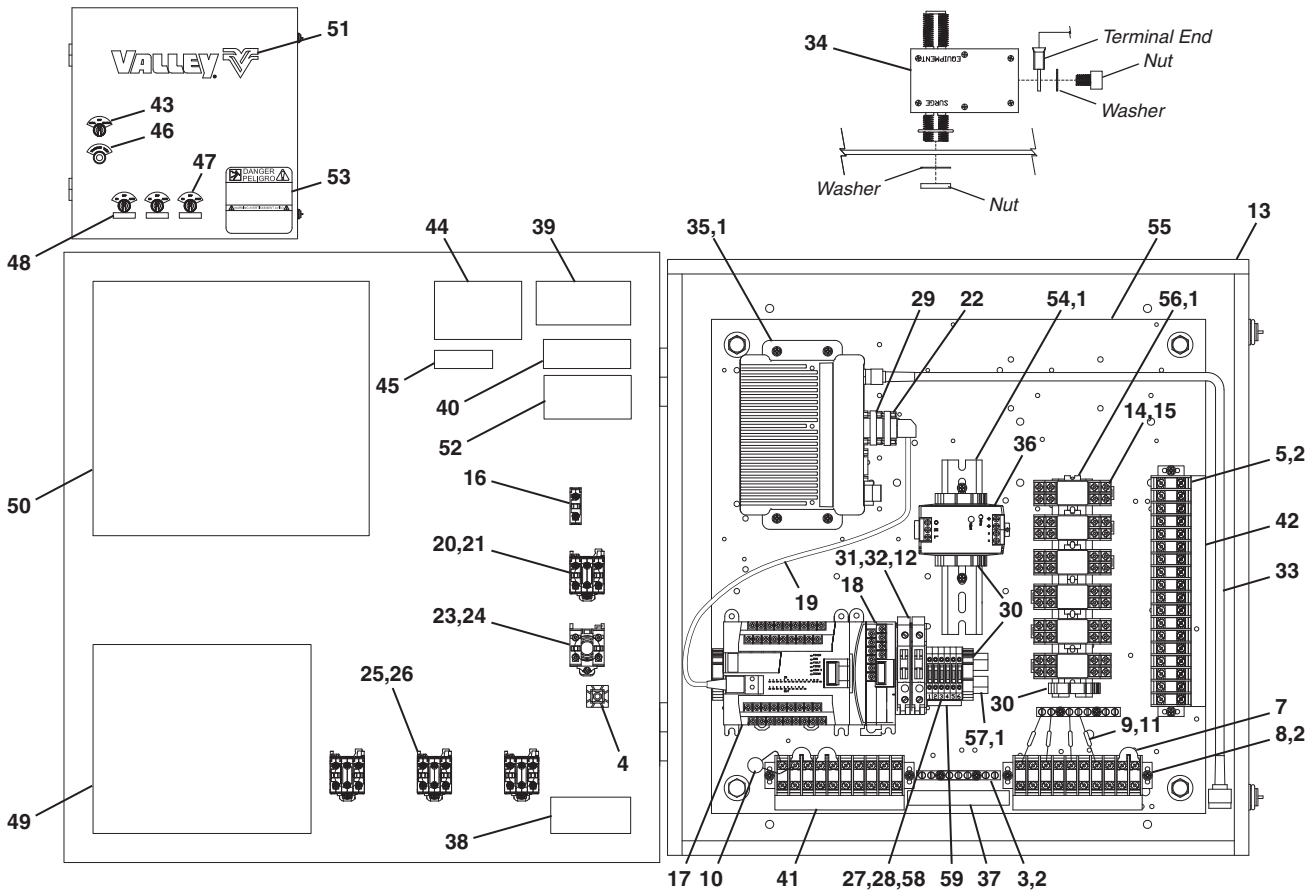
| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 24 | Din Rail - 9-1/2" Long | 9311128 |
| 25 | Push Button Switch | 03E2438 |
| 26 | Switch Mounting Base | 03E2439 |
| 27 | 3-Position Switch - Blue | 03E2459 |
| 28 | Switch Mounting Base | 03E2470 |
| 29 | Enclosure - 20 x 20 x 8 | 03E2074 |
| 30 | Remote/Auxiliary Link Backpanel | 9310993 |
| 31 | Auxiliary Link Cable | 03E2296 |
| 32 | Antenna Jumper - N Male to SMA Male | 03E2434 |
| 33 | Fuse Block End Cover | 03E2998 |
| 34 | Din Rail - 6" Long | 9310608 |
| 35 | Standoff - Female to Female | 03E3757 |
| 36 | Voltage Suppressor - 250V | 03E1782 |
| | Auxiliary Link VHF - 6.25/12.5 KHz 138-174 MHz | 9311197 |
| | Auxiliary Link UHF - 6.25/12.5 KHz 406-440 MHz | 9311796 * |
| | Auxiliary Link UHF - 6.25/12.5 KHz 440-476 MHz | 9311251 |

**NOTE 1: Refer to Dataradios, Components & Kits page in this section for all other Auxiliary Link w/Dataradio information.**

**NOTE 2: See Aux. Link Controller Service Parts Chart in this section.**

*** OBSOLETE**


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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 2 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 3 | Ground Lug - 7 Terminal | 0315120 |
| 4 | Wire Tie - Self Adhesive | 03E0046 |
| 5 | 18 Pole Terminal Strip - 20 A 600V | 03E1561 |
| 6 | Cable Tie - 5.50" Long Plastic (not shown) | 03E1605 |
| 7 | Terminal Strip Edge Jumper | 03E1644 |
| 8 | 10 Pole Terminal Strip - 20 A 600V | 03E1649 |
| 9 | Transient Voltage Suppressor - 50V | 03E1781 |
| 10 | Voltage Suppressor - 250V | 03E1782 |
| 11 | Insulating Tubing - Black | 03E1788 |
| 12 | Fuse, Fast Acting - 3.0 A 250V | 03E1971 |
| 13 | Enclosure - 20 x 20 x 8 | 03E2074 |
| 14 | Relay DPDT - 10 A 120VAC | 03E2105 |
| 15 | 2 Pole Relay Socket | 03E2107 |
| 16 | Contact Block - N.O. | 03E2222 |
| 17 | Auxiliary Link PLC | (see note 2 at bottom of page) |
| 18 | Auxiliary Link Analog Input Module | 03E2295 |
| 19 | Auxiliary Link Cable | 03E2296 |
| 20 | 3-Position Switch - Green | 03E2297 |
| 21 | Switch Mounting Base | 03E2298 |
| 22 | Null Modem Adapter - DB-9 | 03E2317 |
| 23 | Push Button Switch | 03E2438 |
| 24 | Switch Mounting Base | 03E2439 |
| 25 | 3-Position Switch - Blue | 03E2459 |
| 26 | Switch Mounting Base | 03E2470 |
| 27 | Terminal Block Disconnect Switch | 03E2471 |
| 28 | Terminal Disconnect Switch End Cover | 03E2472 |
| 29 | DB9 Male-Male Adapter | 03E2551 |
| 30 | Dinrail End Stop | 03E2996 |
| 31 | Fuseblock - Dinrail Mount 25A | 03E2997 |
| 32 | Fuse Block End Cover | 03E2998 |
| 33 | Coax. Antenna Jumper - MR240 N-Male to TNC Male 3' | 03E3064 |
| 34 | Coaxial Surge Protector - 750W | 03E3209 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 35 | Dataradio - VHF 136-174 MHz - Programmed | 03E3886 |
| | - UHF 406.1-470 MHz - Programmed | 03E3887 |
| 36 | Power Supply - Dinrail Mount 24VDC 2.5A | 03E3917 |
| 37 | Decal - Ground | 0992925 |
| 38 | Decal - Fuse Decal | 0995856 |
| 39 | Decal - C.UL Enclosed | 0995919 |
| 40 | Decal - 3R Enclosure | 0996403 |
| 41 | Decal - 10 Pole Terminal Strip | 0996501 |
| 42 | Decal - 18 Pole Terminal Strip | 0996502 |
| 43 | Decal - Auxiliary Link Switch | 0996504 |
| 44 | Decal - UL Spec. Nameplate | 0996505 |
| 45 | Decal - Main Disconnect Switch | 0996562 |
| 46 | Decal - Auxiliary Link Test | 0996595 |
| 47 | Decal - Auxiliary Link Manual Control Switch | 0996596 |
| 48 | Decal - Auxiliary Link Blank Label | 0996597 |
| 49 | Decal - Auxiliary Link Terminal Function | 0996598 |
| 50 | Decal - Auxiliary Link Scematic | 0996613 |
| 51 | Decal - Valley Logo | 0997431 |
| 52 | Decal - Terminal Block Torque / Copper Wire | 0998450 |
| 53 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 54 | Din Rail - 6" Long | 9310608 |
| 55 | Remote/Auxiliary Link Backpanel | 9310993 |
| 56 | Din Rail - 7-1/2" Long | 9311041 |
| 57 | Din Rail - 9-1/2" Long | 9311128 |
| 58 | Bridge - 6 Cond. | 9311134 |
| 59 | Terminal Number Label - 6 Position | 9311135 |
| | Auxiliary Link VHF w/ Viper SC+ - 136-174 MHz | 9312784 |
| | Auxiliary Link UHF w/ Viper SC+ - 406.1-470 MHz | 9312786 |

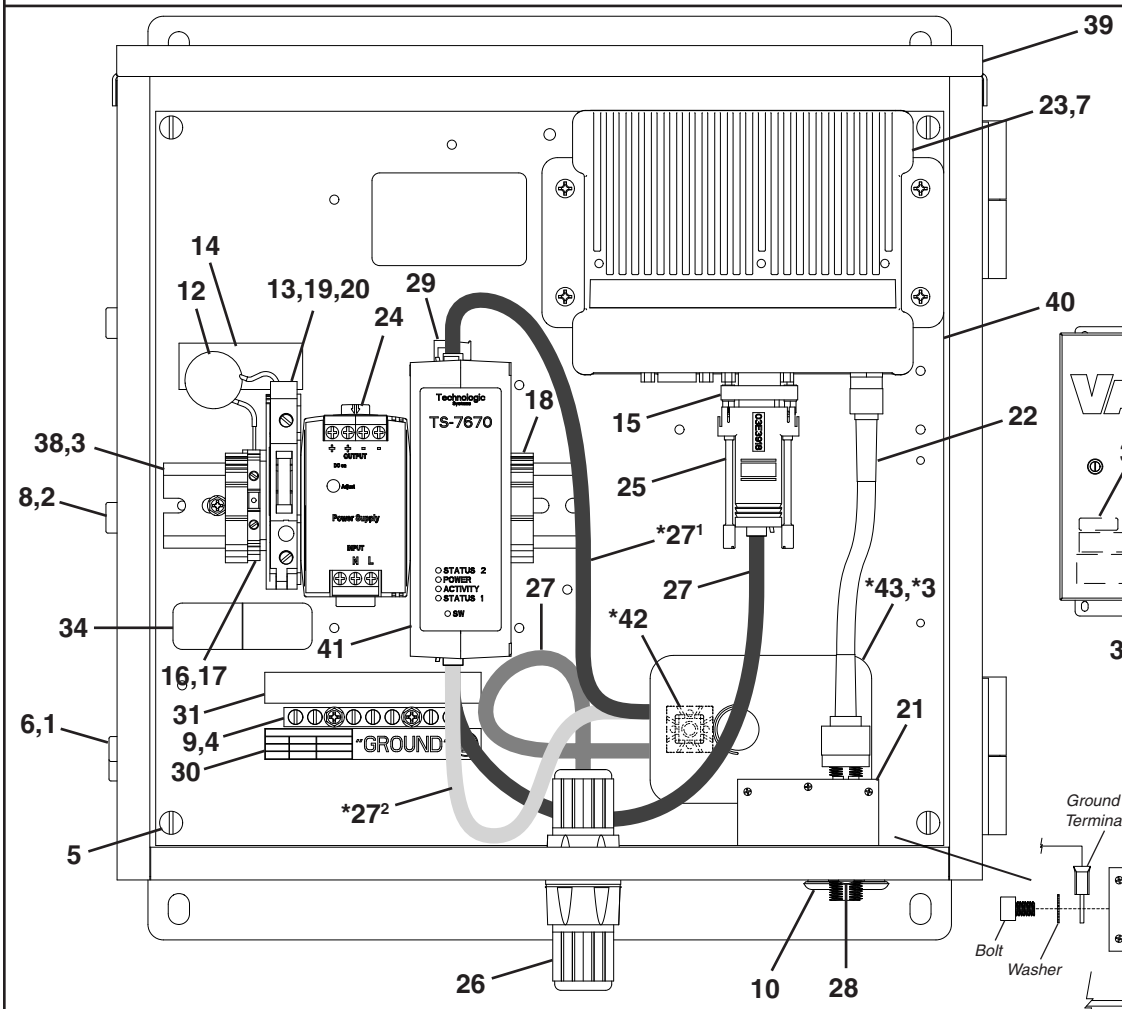
**NOTE 1: Refer to Dataradios, Components & Kits page in this section for all other Auxiliary Link w/Dataradio information.**

**NOTE 2: See Aux. Link Controller Service Parts Chart in this section.**

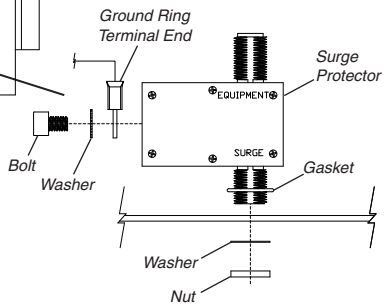

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| FINAL ASSEM. | STATUS | BASE ASSEM. | STATUS | DESCRIPTION | CONTROLLER REPLACEMENT |
|---|---|---|---|---|---|
| 9311089 | OBS. Jun 18 | 9311038 | OBS. Jun 18 | Aux. Link Assm. w/300 Baud Modem - COV4 | 9313006 |
| 9311090 | OBS. Jun 18 | 9311038 | OBS. Jun 18 | Aux. Link Assm. w/300 Baud Modem - C1V3 | 9313007 |
| 9311140 | OBS. Jun 18 | 9311038 | OBS. Jun 18 | Aux. Link Assm. w/300 Baud Modem - C2V2 | 9313008 |
| 9311091 | OBS. Jun 18 | 9311038 | OBS. Jun 18 | Aux. Link Assm. w/300 Baud Modem - C3V1 | 9313009 |
| 9311092 | OBS. Jun 18 | 9311038 | OBS. Jun 18 | Aux. Link Assm. w/300 Baud Modem - C4V0 | 9313010 |
| 9311093 | OBS. Jun 18 | 9311042 | OBS. Jun 18 | Aux. Link Assm. w/1200 Radio Modem - C0V4 | 9313011 |
| 9311094 | OBS. Jun 18 | 9311042 | OBS. Jun 18 | Aux. Link Assm. w/1200 Radio Modem - C1V3 | 9313012 |
| 9311141 | OBS. Jun 18 | 9311042 | OBS. Jun 18 | Aux. Link Assm. w/1200 Radio Modem - C2V2 | 9313013 |
| 9311095 | OBS. Jun 18 | 9311042 | OBS. Jun 18 | Aux. Link Assm. w/1200 Radio Modem - C3V1 | 9313014 |
| 9311096 | OBS. Jun 18 | 9311042 | OBS. Jun 18 | Aux. Link Assm. w/1200 Radio Modem - C4V0 | 9313015 |
| 9311097 | OBS. Jun 18 | 9311043 | OBS. Jun 18 | Aux. Link Assm. w/Phone Modem - C0V4 | 9313011 |
| 9311098 | OBS. Jun 18 | 9311043 | OBS. Jun 18 | Aux. Link Assm. w/Phone Modem - C1V3 | 9313012 |
| 9311142 | OBS. Jun 18 | 9311043 | OBS. Jun 18 | Aux. Link Assm. w/Phone Modem - C2V2 | 9313013 |
| 9311099 | OBS. Jun 18 | 9311043 | OBS. Jun 18 | Aux. Link Assm. w/Phone Modem - C3V1 | 9313014 |
| 9311100 | OBS. Jun 18 | 9311043 | OBS. Jun 18 | Aux. Link Assm. w/Phone Modem - C4V0 | 9313015 |
| 9311101 | OBS. Jun 18 | 9311044 | OBS. Jun 18 | Aux. Link Assm. w/1200 Radio Modem w/o Power Supply - C0V4 | 9313011 |
| 9311102 | OBS. Jun 18 | 9311044 | OBS. Jun 18 | Aux. Link Assm. w/1200 Radio Modem w/o Power Supply - C1V3 | 9313012 |
| 9311143 | OBS. Jun 18 | 9311044 | OBS. Jun 18 | Aux. Link Assm. w/1200 Radio Modem w/o Power Supply - C2V2 | 9313013 |
| 9311103 | OBS. Jun 18 | 9311044 | OBS. Jun 18 | Aux. Link Assm. w/1200 Radio Modem w/o Power Supply - C3V1 | 9313014 |
| 9311104 | OBS. Jun 18 | 9311044 | OBS. Jun 18 | Aux. Link Assm. w/1200 Radio Modem w/o Power Supply - C4V0 | 9313015 |
| 9311179 | | 9311174 | | Aux. Link 9600 Assm. w/o Communication Hardware - C0V4 | 9313016 |
| 9311178 | | 9311174 | | Aux. Link 9600 Assm. w/o Communication Hardware - C1V3 | 9313017 |
| 9311177 | | 9311174 | | Aux. Link 9600 Assm. w/o Communication Hardware - C2V2 | 9313018 |
| 9311176 | | 9311174 | | Aux. Link 9600 Assm. w/o Communication Hardware - C3V1 | 9313019 |
| 9311175 | | 9311174 | | Aux. Link 9600 Assm. w/o Communication Hardware - C4V0 | 9313020 |
| 9311198 | | 9311197 | | Aux. Link Assm. VHF 6.25/12.5 KHZ 138-174 MHZ - C0V4 | 9313021 |
| 9311199 | | 9311197 | | Aux. Link Assm. VHF 6.25/12.5 KHZ 138-174 MHZ - C1V3 | 9313022 |
| 9311200 | | 9311197 | | Aux. Link Assm. VHF 6.25/12.5 KHZ 138-174 MHZ - C2V2 | 9313023 |
| 9311201 | | 9311197 | | Aux. Link Assm. VHF 6.25/12.5 KHZ 138-174 MHZ - C3V1 | 9313024 |
| 9311202 | | 9311197 | | Aux. Link Assm. VHF 6.25/12.5 KHZ 138-174 MHZ - C4V0 | 9313025 |
| 9311252 | | 9311251 | | Aux. Link Assm. UHF 6.25/12.5 KHZ 440-476 MHZ - COV4 | 9313021 |
| 9311253 | | 9311251 | | Aux. Link Assm. UHF 6.25/12.5 KHZ 440-476 MHZ - C1V3 | 9313022 |
| 9311254 | | 9311251 | | Aux. Link Assm. UHF 6.25/12.5 KHZ 440-476 MHZ - C2V2 | 9313023 |
| 9311255 | | 9311251 | | Aux. Link Assm. UHF 6.25/12.5 KHZ 440-476 MHZ - C3V1 | 9313024 |
| 9311256 | | 9311251 | | Aux. Link Assm. UHF 6.25/12.5 KHZ 440-476 MHZ - C4V0 | 9313025 |
| 9311797 | | 9311796 | | Aux. Link Assm. UHF 6.25/12.5 KHZ 406-440 MHZ - C0V4 | 9313021 |
| 9311798 | | 9311796 | | Aux. Link Assm. UHF 6.25/12.5 KHZ 406-440 MHZ - C1V3 | 9313022 |
| 9311799 | | 9311796 | | Aux. Link Assm. UHF 6.25/12.5 KHZ 406-440 MHZ - C2V2 | 9313023 |
| 9311800 | | 9311796 | | Aux. Link Assm. UHF 6.25/12.5 KHZ 406-440 MHZ - C3V1 | 9313024 |
| 9311801 | | 9311796 | | Aux. Link Assm. UHF 6.25/12.5 KHZ 406-440 MHZ - C4V0 | 9313025 |
| 9312791 | | 9311784 | | Aux. Link Assm. VHF VIPER 136-174 MHZ - COV4 | 9313021 |
| 9312792 | | 9311784 | | Aux. Link Assm. VHF VIPER 136-174 MHZ - C1V3 | 9313022 |
| 9312793 | | 9311784 | | Aux. Link Assm. VHF VIPER 136-174 MHZ - C2V2 | 9313023 |
| 9312794 | | 9311784 | | Aux. Link Assm. VHF VIPER 136-174 MHZ - C3V1 | 9313024 |
| 9312795 | | 9311784 | | Aux. Link Assm. VHF VIPER 136-174 MHZ - C4V0 | 9313025 |
| 9312803 | | 9312786 | | Aux. Link Assm. UHF VIPER 406.1-470 MHZ - C0V4 | 9313021 |
| 9312804 | | 9312786 | | Aux. Link Assm. UHF VIPER 406.1-470 MHZ - C1V3 | 9313022 |
| 9312805 | | 9312786 | | Aux. Link Assm. UHF VIPER 406.1-470 MHZ - C2V2 | 9313023 |
| 9312806 | | 9312786 | | Aux. Link Assm. UHF VIPER 406.1-470 MHZ - C3V1 | 9313024 |
| 9312807 | | 9312786 | | Aux. Link Assm. UHF VIPER 406.1-470 MHZ - C4V0 | 9313025 |


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**FRONT VIEW**




**Surge Protector Install**

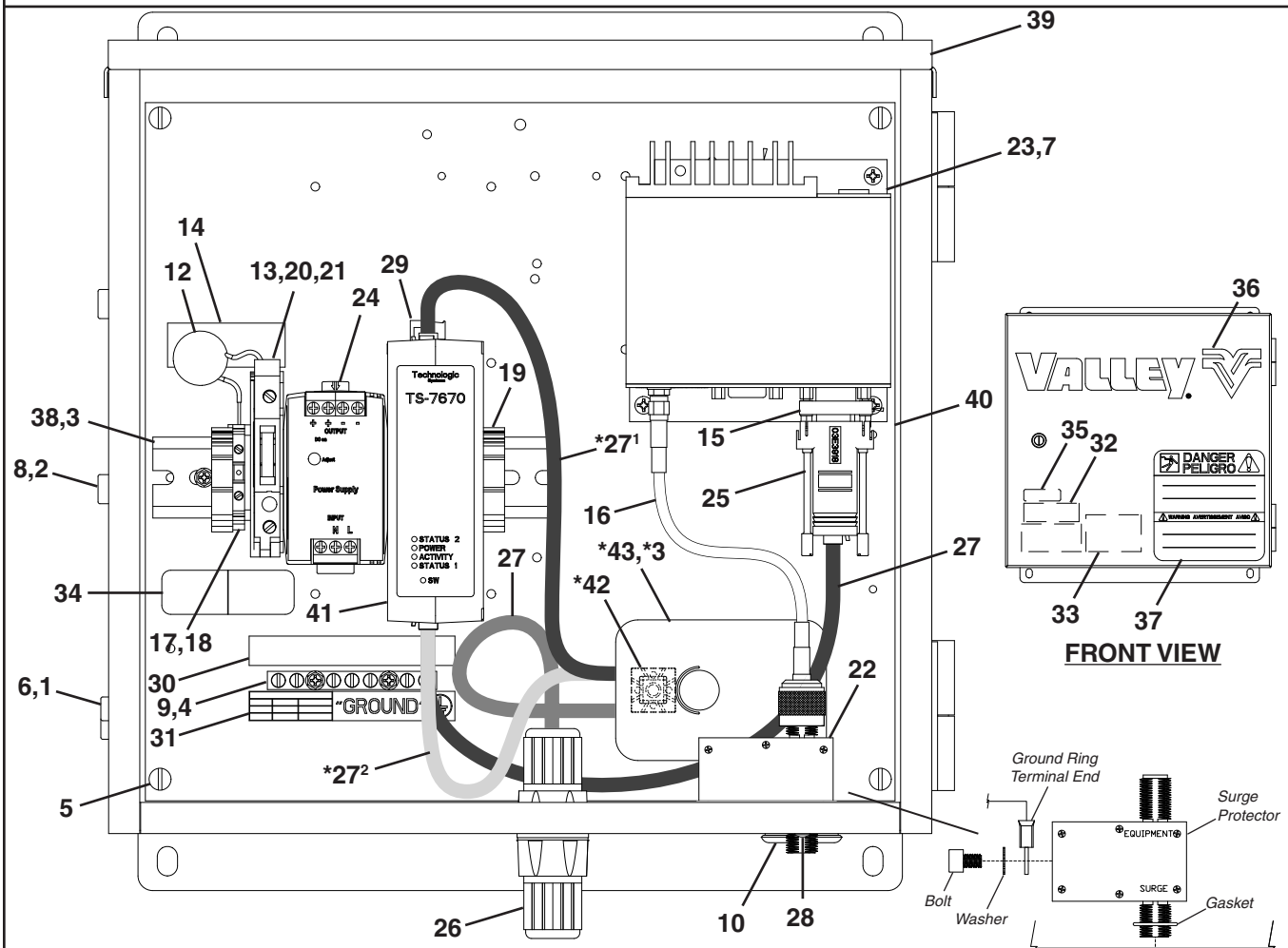
| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 Hex Nut w/ External Tooth Lock Washer | 0134059 |
| 2 | M6 x 1" Hex Nut w/ External Tooth Lock Washer | 0134064 |
| 3 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 4 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 5 | #10 x 1/2" Machine Screw - Pan Head | 0164143 |
| 6 | #8 x 5/16" Seal Screw - Pan Phillips Head - S.S. | 0164223 |
| 7 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 8 | M6 x 1" x 8mm Seal Screw - Phillips Head - S.S. | 0164253 |
| 9 | Ground Lug - 7 Terminal | 0315120 |
| 10 | Hole Seal - 0.50" Conduit Hole | 03E4349 |
| 11 | Cable Tie - 5.50" Long (not shown) | 03E1605 |
| 12 | Transient Voltage Suppressor - 250V | 03E1782 |
| 13 | Fuse - 1.0 Amp 250V | 03E2081 |
| 14 | Decal - 1.0 Amp Fuse | 03E2082 |
| 15 | Null Modem Adapter - DB-9 | 03E2317 |
| 16 | Terminal Block - Din Rail Mount | 03E2994 |
| 17 | Terminal Block End Cover | 03E2995 |
| 18 | End Stop - Din Rail | 03E2996 |
| 19 | Fuse Block - Din Rail Mount | 03E2997 |
| 20 | Fuse Block End Cover | 03E2998 |
| 21 | Surge Protector - Coaxial 750W | 03E3209 |
| 22 | Antenna Jumper - N-Male to SP-TNC Male | 03E3539 |
| 23 | Viper SC+ Dataradio-136-174 MHz VHF - Programmed | 03E3886 |
| | Viper SC+ Dataradio-406.1-470 MHz UHF - Programmed | 03E3887 |
| 24 | Power Supply - 24VDC 2.5A - Din Rail Mount | 03E3917 |
| 25 | DB9 Male to RJ45 Female Modified Connector | 03E3918 |
| 26 | IP67 RJ45 Cable Gland - Two-Way Type | 03E3935 |
| 27 | CAT5E Ethernet Cable - 12.00" Long | 03E3950 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 28 | Snap Button Hole Plug - .088 Dia. Hole | 03E4092 |
| 29 | Terminal Strip Plug - 2 Pole | 03E4138 |
| 30 | Decal - Ground | 0992925 |
| 31 | Decal - Copper Wire Only | 0994836 |
| 32 | Decal - 3R Enclosure | 0996403 |
| 33 | Decal - UL Spec Namplate | 0996505 |
| 34 | Decal - Torque - Neutral/120VAC | 0996561 |
| 35 | Decal - Main Disconnect Switch | 0996562 |
| 36 | Decal - Valley Logo | 0997431 |
| 37 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 38 | Din Rail Mount Channel - 6.75" Long | 9310700 |
| 39 | XTEC Enclosure | 9312346 |
| 40 | XTEC Enclosure Backplate | 9312347 |
| 41 | PumpLink Low Power Industrial CPU | 9312869 |
| 42 | Wire Tie Holder - Self-Adhesive | 03E3892 |
| 43 | Ethernet Surge Protector | 03E3943 |
| | Pump Link Viper VHF Dataradio Enclosure | 9312833 |
| | Pump Link Viper UHF Dataradio Enclosure | 9312862 |
| * | Pump Link Enclosure Surge Protector Kit | KA02233 |

**NOTE: 27¹ located here for Yaskawa Drive; 27² located here for Torrent Drive.**


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| Functional Area | Assembly / Part | Rev# 05-18 |
|---|---|---|
| Communications | Valley Pump Link Integra Dataradio Enclosure | |



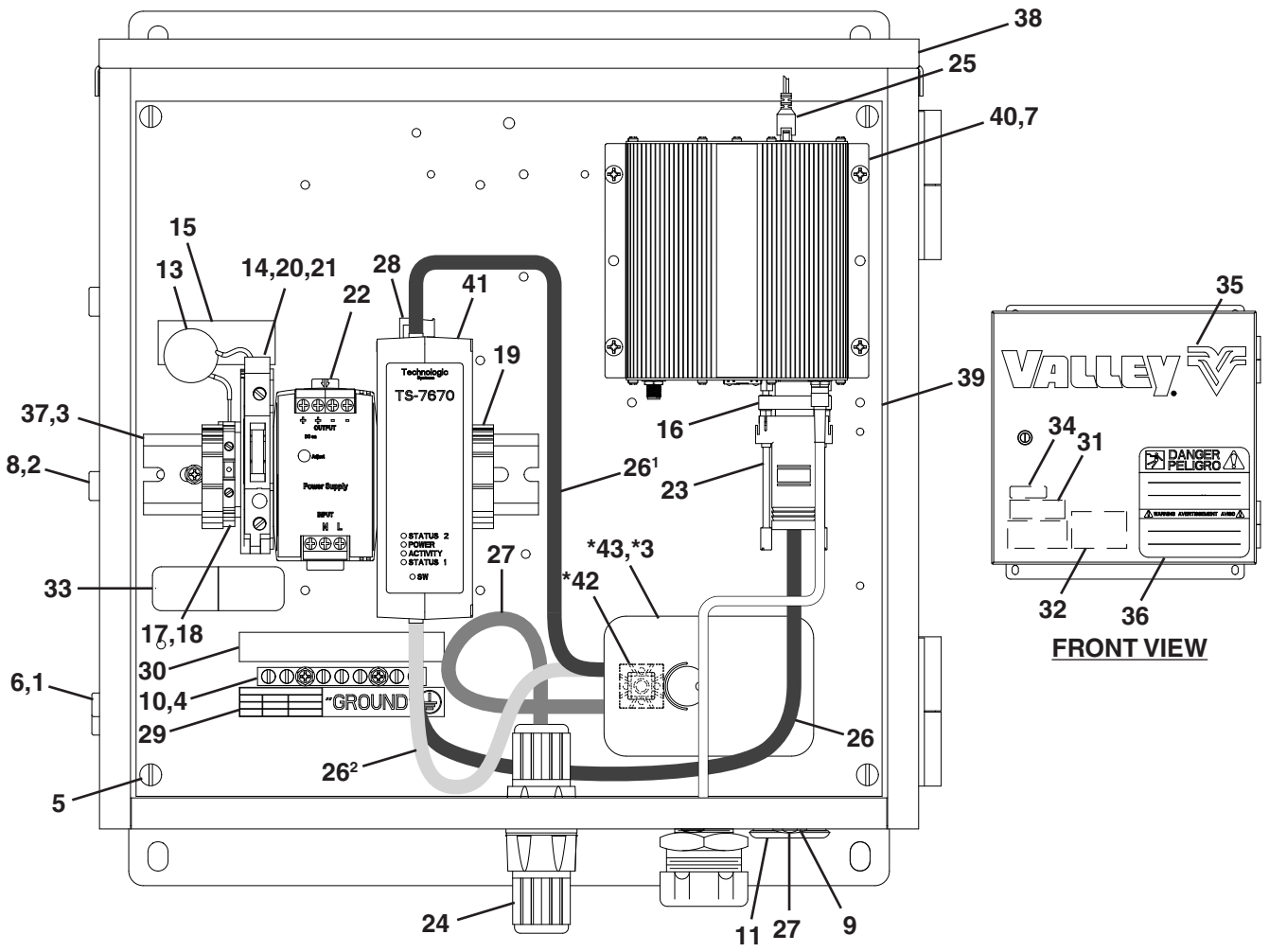

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 Hex Nut w/ External Tooth Lock Washer | 0134059 |
| 2 | M6 x 1" Hex Nut w/ External Tooth Lock Washer | 0134064 |
| 3 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 4 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 5 | #10 x 1/2" Machine Screw - Pan Head | 0164143 |
| 6 | #8 x 5/16" Seal Screw - Pan Phillips Head - S.S. | 0164223 |
| 7 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 8 | M6 x 1" x 8mm Seal Screw - Phillips Head - S.S. | 0164253 |
| 9 | Ground Lug - 7 Terminal | 0315120 |
| 10 | Hole Seal - 0.50" Conduit Hole | 03E4349 |
| 11 | Cable Tie - 5.50" Long (not shown) | 03E1605 |
| 12 | Transient Voltage Suppressor - 250V | 03E1782 |
| 13 | Fuse - 1.0 Amp 250V | 03E2081 |
| 14 | Decal - 1.0 Amp Fuse | 03E2082 |
| 15 | Null Modem Adapter - DB-9 | 03E2317 |
| 16 | Antenna Jumper - N-Male to SMA | 03E2434 |
| 17 | Terminal Block - Din Rail Mount | 03E2994 |
| 18 | Terminal Block End Cover | 03E2995 |
| 19 | End Stop - Din Rail | 03E2996 |
| 20 | Fuse Block - Din Rail Mount | 03E2997 |
| 21 | Fuse Block End Cover | 03E2998 |
| 22 | Surge Protector - Coaxial 750W | 03E3209 |
| 23 | Integra Dataradio - 138-174 MHz VHF | 03E3241 |
| | Integra Dataradio - 406-440 MHz UHF | 03E3243 |
| | Integra Dataradio - 440-476 MHz UHF | 03E3242 |
| 24 | Power Supply - 12VDC 54 Watt | 03E3468 |
| 25 | DB9 Male to RJ45 Female Modified Connector | 03E3918 |
| 26 | IP67 RJ45 Cable Gland - Two-Way Type | 03E3935 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 27 | CAT5E Ethernet Cable - 12.00" Long | 03E3950 |
| 28 | Snap Button Hole Plug - .088 Dia. Hole | 03E4092 |
| 29 | Terminal Strip Plug - 2 Pole | 03E4138 |
| 30 | Decal - Ground | 0992925 |
| 31 | Decal - Copper Wire Only | 0994836 |
| 32 | Decal - 3R Enclosure | 0996403 |
| 33 | Decal - UL Spec Namplate | 0996505 |
| 34 | Decal - Torque - Neutral/120VAC | 0996561 |
| 35 | Decal - Main Disconnect Switch | 0996562 |
| 36 | Decal - Valley Logo | 0997431 |
| 37 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 38 | Din Rail Mount Channel - 6.75" Long | 9310700 |
| 39 | XTEC Enclosure | 9312346 |
| 40 | XTEC Enclosure Backplate | 9312347 |
| 41 | PumpLink Low Power Industrial CPU | 9312869 |
| 42 | Wire Tie Holder - Self-Adhesive | 03E3892 |
| 43 | Ethernet Surge Protector | 03E3943 |

| | | |
|---|---|---|
| | Pump Link Integra 138-174 MHz VHF Dataradio Encl. | 9312865 |
| | Pump Link Integra 406-440 MHz UHF Dataradio Encl. | 9312867 |
| | Pump Link Integra 440-476 MHz UHF Dataradio Encl. | 9312866 |
| * | Pump Link Enclosure Surge Protector Kit | KA02233 |

**NOTE: 27¹ located here for Yaskawa Drive; 27² located here for Torrent Drive.**


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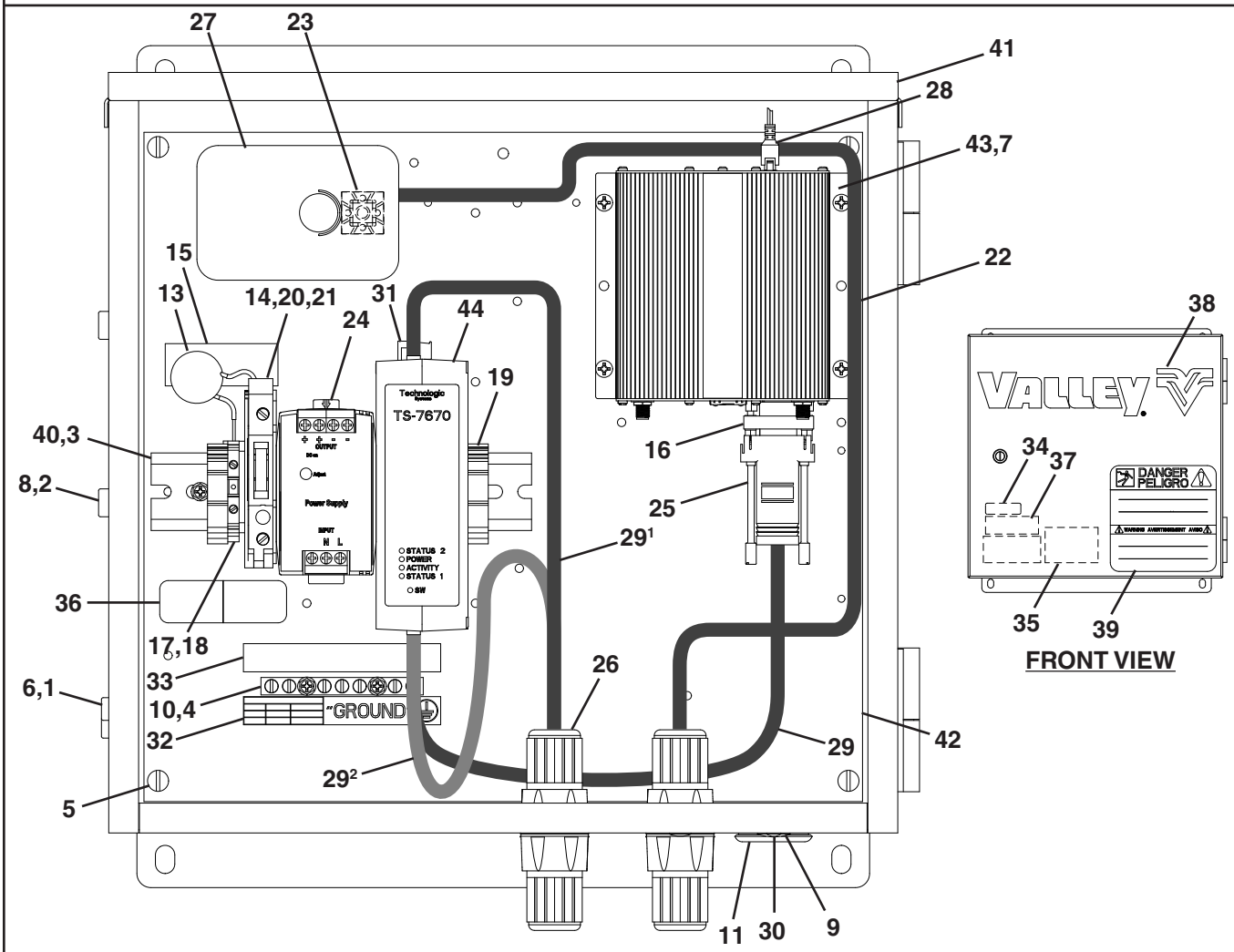

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 Hex Nut w/ External Tooth Lock Washer | 0134059 |
| 2 | M6 x 1" Hex Nut w/ External Tooth Lock Washer | 0134064 |
| 3 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 4 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 5 | #10 x 1/2" Machine Screw - Pan Head | 0164143 |
| 6 | #8 x 5/16" Seal Screw - Pan Phillips Head - S.S. | 0164223 |
| 7 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 8 | M6 x 1" x 8mm Seal Screw - Phillips Head - S.S. | 0164253 |
| 9 | Snap Button Hole Plug - .500 Dia. Hole | 0314749 |
| 10 | Ground Lug - 7 Terminal | 0315120 |
| 11 | Hole Seal - 0.50" Conduit Hole | 03E4349 |
| 12 | Cable Tie - 5.50" Long (not shown) | 03E1605 |
| 13 | Transient Voltage Suppressor - 250V | 03E1782 |
| 14 | Fuse - 1.0 Amp 250V | 03E2081 |
| 15 | Decal - 1.0 Amp Fuse | 03E2082 |
| 16 | Null Modem Adapter - DB-9 | 03E2317 |
| 17 | Terminal Block - Din Rail Mount | 03E2994 |
| 18 | Terminal Block End Cover | 03E2995 |
| 19 | End Stop - Din Rail | 03E2996 |
| 20 | Fuse Block - Din Rail Mount | 03E2997 |
| 21 | Fuse Block End Cover | 03E2998 |
| 22 | Power Supply - 24VDC 2.5A - Din Rail Mount | 03E3917 |
| 23 | DB9 Male to RJ45 Female Modified Connector | 03E3918 |
| 24 | IP67 RJ45 Cable Gland - Two-Way Type | 03E3935 |
| 25 | Power Supply Cable - 30.00" Long | 03E3949 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 26 | CAT5E Ethernet Cable - 12.00" Long | 03E3950 |
| 27 | Snap Button Hole Plug - .088 Dia. Hole | 03E4092 |
| 28 | Terminal Strip Plug - 2 Pole | 03E4138 |
| 29 | Decal - Ground | 0992925 |
| 30 | Decal - Copper Wire Only | 0994836 |
| 31 | Decal - 3R Enclosure | 0996403 |
| 32 | Decal - UL Spec Namplate | 0996505 |
| 33 | Decal - Torque - Neutral/120VAC | 0996561 |
| 34 | Decal - Main Disconnect Switch | 0996562 |
| 35 | Decal - Valley Logo | 0997431 |
| 36 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 37 | Din Rail Mount Channel - 6.75" Long | 9310700 |
| 38 | XTEC Enclosure | 9312346 |
| 39 | XTEC Enclosure Backplate | 9312347 |
| 40 | Basestation 4G LTE Cellular Modem | 9313097 |
| 41 | Pump Link Low Power Industrial CPU | 9312869 |
| 42 | Wire Tie Holder - Self-Adhesive | 03E3892 |
| 43 | Ethernet Surge Protector | 03E3943 |
| | Pump Link CDMA Cellular Modem Enclosure | 9312870 |
| * | Pump Link Enclosure Surge Protector Kit | KA02233 |

**NOTE: 26[1] located here for Yaskawa Drive; 26[2] located here for Torrent Drive.**


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| Functional Area | Assembly / Part | Rev# 05-18 |
|---|---|---|
| Communications | Valley Pump Link IP Enclosure | |

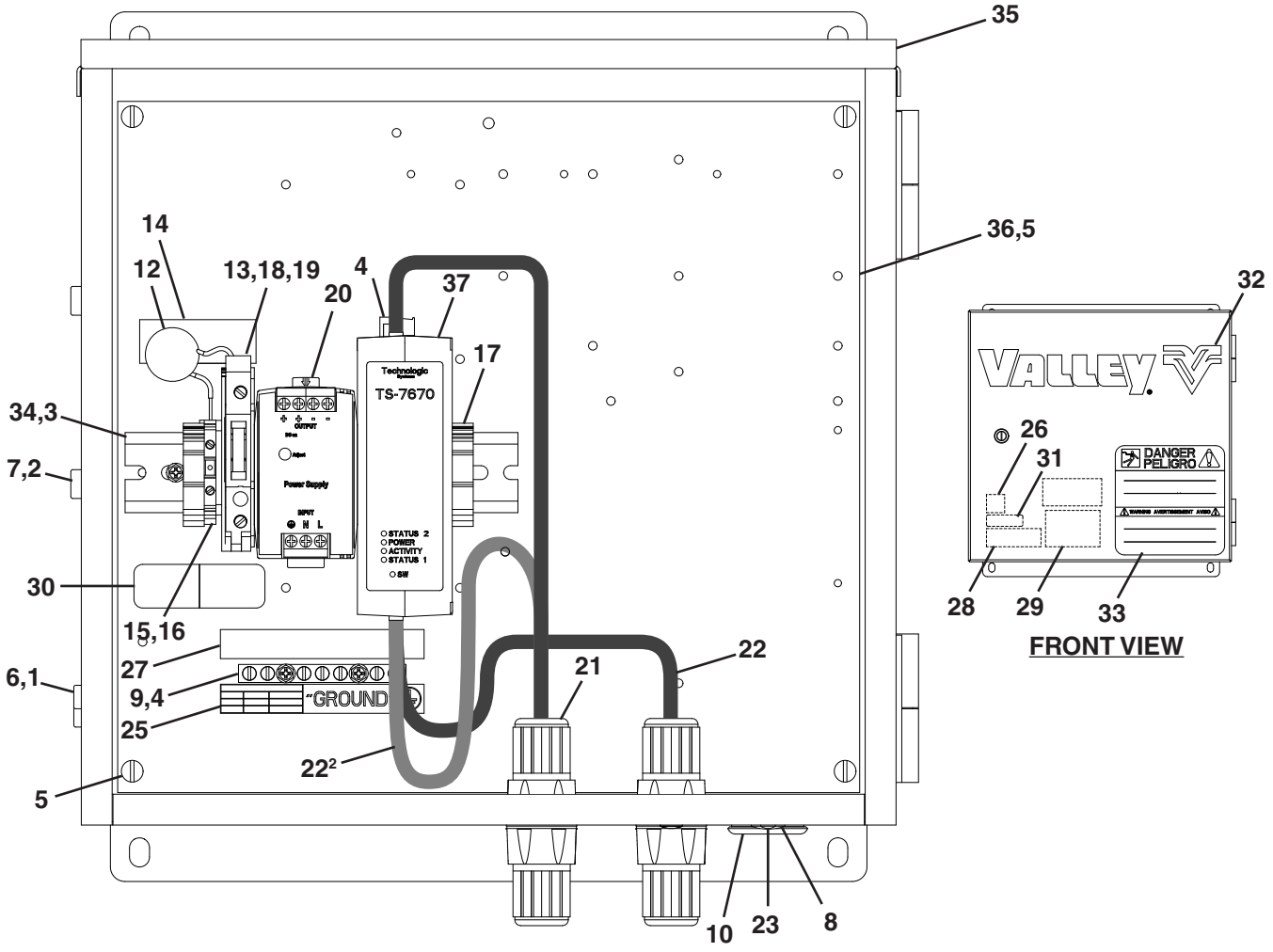



| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 Hex Nut w/ External Tooth Lock Washer | 0134059 |
| 2 | M6 x 1" Hex Nut w/ External Tooth Lock Washer | 0134064 |
| 3 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 4 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 5 | #10 x 1/2" Machine Screw - Pan Head | 0164143 |
| 6 | #8 x 5/16" Seal Screw - Pan Phillips Head - S.S. | 0164223 |
| 7 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 8 | M6 x 1" x 8mm Seal Screw - Phillips Head - S.S. | 0164253 |
| 9 | Snap Button Hole Plug - .500 Dia. Hole | 0314749 |
| 10 | Ground Lug - 7 Terminal | 0315120 |
| 11 | Hole Seal - 0.50" Conduit Hole | 03E4349 |
| 12 | Cable Tie - 5.50" Long (not shown) | 03E1605 |
| 13 | Transient Voltage Suppressor - 250V | 03E1782 |
| 14 | Fuse - 1.0 Amp 250V | 03E2081 |
| 15 | Decal - 1.0 Amp Fuse | 03E2082 |
| 16 | Null Modem Adapter - DB-9 | 03E2317 |
| 17 | Terminal Block - Din Rail Mount | 03E2994 |
| 18 | Terminal Block End Cover | 03E2995 |
| 19 | End Stop - Din Rail | 03E2996 |
| 20 | Fuse Block - Din Rail Mount | 03E2997 |
| 21 | Fuse Block End Cover | 03E2998 |
| 22 | Cat5E Ethernet Cable - 24.00" Long | 03E3812 |
| 23 | Self-Adhesive Wire Tie Holder | 03E3892 |
| 24 | Power Supply - 24VDC 2.5A - Din Rail Mount | 03E3917 |
| 25 | DB9 Male to RJ45 Female Modified Connector | 03E3918 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 26 | IP67 RJ45 Cable Gland - Two-Way Type | 03E3935 |
| 27 | Ethernet Surge Protector | 03E3943 |
| 28 | Power Supply Cable - 30.00" Long | 03E3949 |
| 29 | CAT5E Ethernet Cable - 12.00" Long | 03E3950 |
| 30 | Snap Button Hole Plug - .088 Dia. Hole | 03E4092 |
| 31 | Terminal Strip Plug - 2 Pole | 03E4138 |
| 32 | Decal - Ground | 0992925 |
| 33 | Decal - Copper Wire Only | 0994836 |
| 34 | Decal - 3R Enclosure | 0996403 |
| 35 | Decal - UL Spec Namplate | 0996505 |
| 36 | Decal - Torque - Neutral/120VAC | 0996561 |
| 37 | Decal - Main Disconnect Switch | 0996562 |
| 38 | Decal - Valley Logo | 0997431 |
| 39 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 40 | Din Rail Mount Channel - 6.75" Long | 9310700 |
| 41 | XTEC Enclosure | 9312346 |
| 42 | XTEC Enclosure Backplate | 9312347 |
| 43 | Basestation Serial Server | 9312840 |
| 44 | Pump Link Low Power Industrial CPU | 9312869 |
| | Pump Link IP Enclosure | 9312871 |

NOTE: 29¹ located here for Yaskawa Drive; 29² located here for Torrent Drive.


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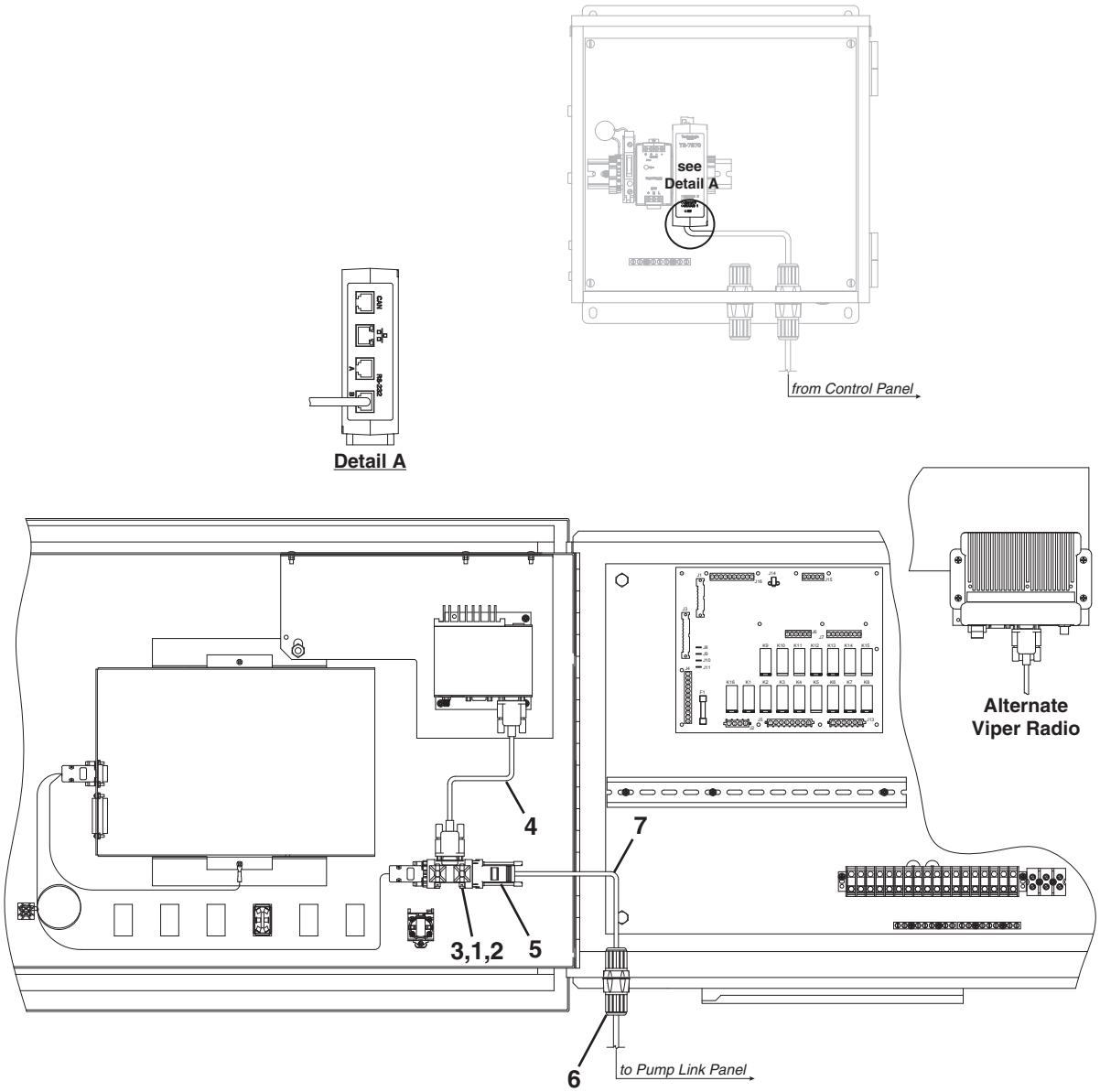



| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 Hex Nut w/ External Tooth Lock Washer | 0134059 |
| 2 | M6 x 1" Hex Nut w/ External Tooth Lock Washer | 0134064 |
| 3 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 4 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 5 | #10 x 1/2" Machine Screw - Pan Head | 0164143 |
| 6 | #8 x 5/16" Seal Screw - Pan Phillips Head - S.S. | 0164223 |
| 7 | M6 x 1" x 8mm Seal Screw - Phillips Head - S.S. | 0164253 |
| 8 | Snap Button Hole Plug - .500 Dia. Hole | 0314749 |
| 9 | Ground Lug - 7 Terminal | 0315120 |
| 10 | Hole Seal - 0.50" Conduit Hole | 03E4349 |
| 11 | Cable Tie - 5.50" Long (not shown) | 03E1605 |
| 12 | Transient Voltage Suppressor - 250V | 03E1782 |
| 13 | Fuse - 1.0 Amp 250V | 03E2081 |
| 14 | Decal - 1.0 Amp Fuse | 03E2082 |
| 15 | Terminal Block - Din Rail Mount | 03E2994 |
| 16 | Terminal Block End Cover | 03E2995 |
| 17 | End Stop - Din Rail | 03E2996 |
| 18 | Fuse Block - Din Rail Mount | 03E2997 |
| 19 | Fuse Block End Cover | 03E2998 |
| 20 | Power Supply - 24VDC 2.5A - Din Rail Mount | 03E3917 |
| 21 | IP67 RJ45 Cable Gland - Two-Way Type | 03E3935 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 22 | CAT5E Ethernet Cable - 12.00" Long | 03E3950 |
| 23 | Snap Button Hole Plug - .088 Dia. Hole | 03E4092 |
| 24 | Terminal Strip Plug - 2 Pole | 03E4138 |
| 25 | Decal - Ground | 0992925 |
| 26 | Decal - CE European Communities | 0994639 |
| 27 | Decal - Copper Wire Only | 0994836 |
| 28 | Decal - 3R Enclosure | 0996403 |
| 29 | Decal - UL Spec Namplate | 0996505 |
| 30 | Decal - Torque - Neutral/120VAC | 0996561 |
| 31 | Decal - Main Disconnect Switch | 0996562 |
| 32 | Decal - Valley Logo | 0997431 |
| 33 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 34 | Din Rail Mount Channel - 6.75" Long | 9310700 |
| 35 | XTEC Enclosure | 9312346 |
| 36 | XTEC Enclosure Backplate | 9312347 |
| 37 | Pump Link Low Power Industrial CPU | 9312869 |
| | Pump Link Shared Radio Enclosure | 9312890 |

NOTE: $22^1$ located here for Yaskawa Drive; $22^2$ located here for Torrent Drive.

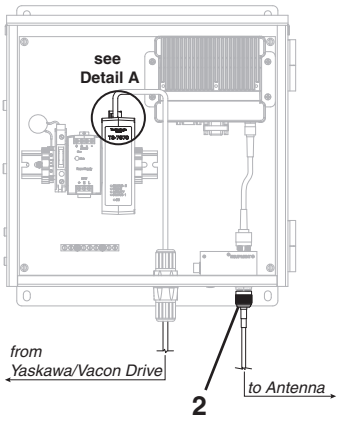

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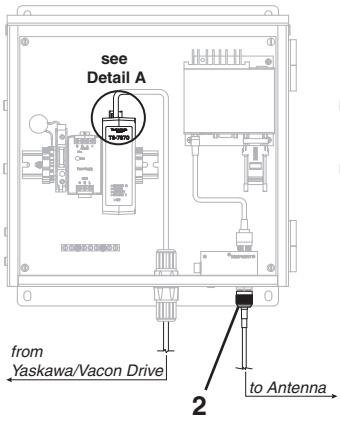

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Wire Tie Holder - Self-Adhesive | 03E0046 |
| 2 | Cable Tie - 5.50" Long | 03E1605 |
| 3 | Modem Data Spliter - DB9M DCE to DB9F DTE | 03E3148 |
| 4 | Serial Cable - DB9M to DB9F 3' Long | 03E3161 |
| 5 | Modified Connector - DB9 Male to RJ45 Female | 03E3918 |
| 6 | IP67 RJ 45 Cable Gland - Two-Way Type | 03E3935 |
| 7 | CAT5E Ethernet Cable - 36.00" Long | 03E4112 |


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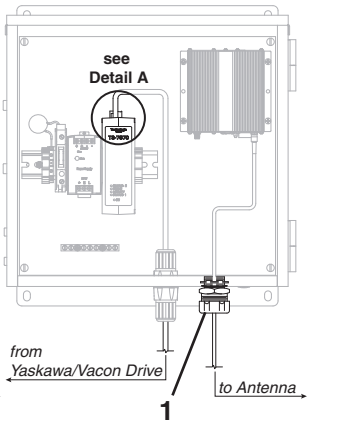
**Pump Link**
**Viper Enclosure**



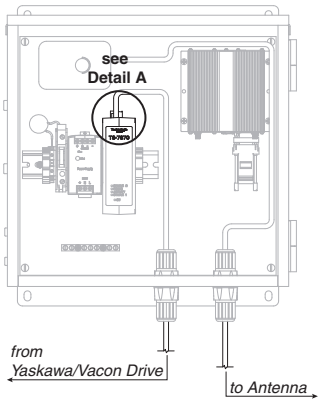

**Pump Link**
**Integra Enclosure**



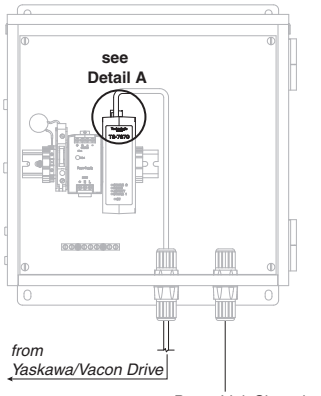

**Pump Link**
**Cellular Enclosure**



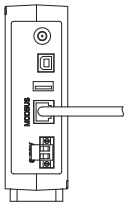

**Pump Link**
**IP Enclosure**



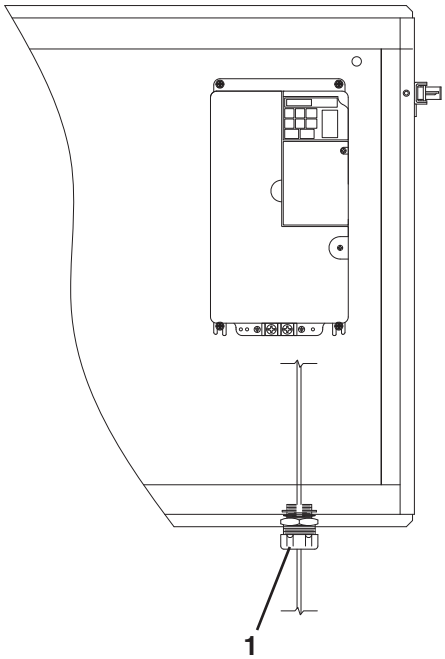

**Pump Link**
**Shared Radio Enclosure**



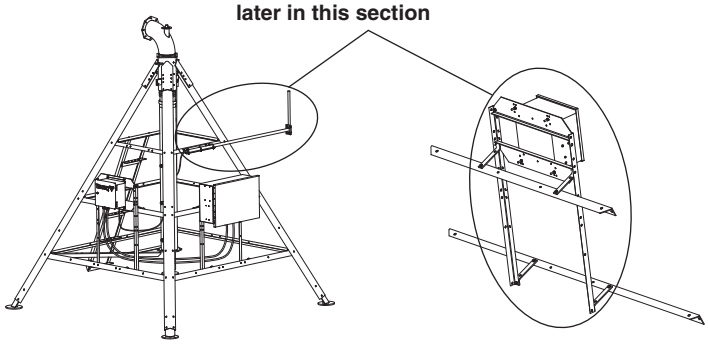

*see Pump Link Shared Radio Enclosure pages*



**Detail A**



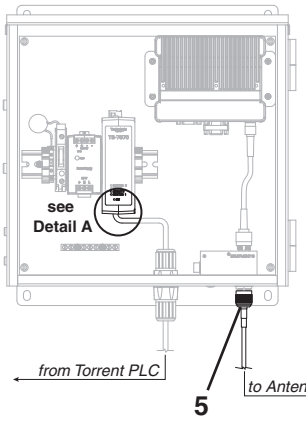

**NOTE: For Panel and Antenna mounting see Mounting Hardware page later in this section**



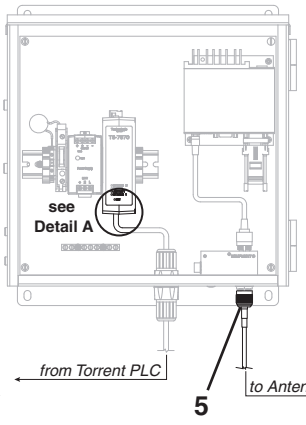
| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Cord Connector - 1/2" Hub ..... | 03E2132 |
| 2 | 3/8" Coaxial Assm. - N-Male to N-Male 16' Long..... | 1814333 |


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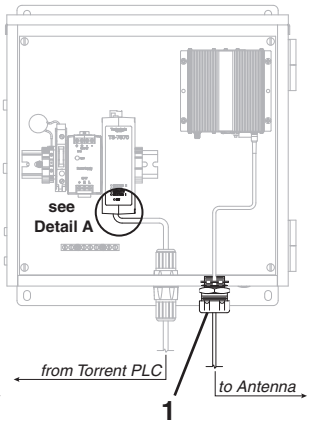
**Pump Link**
**Viper Enclosure**



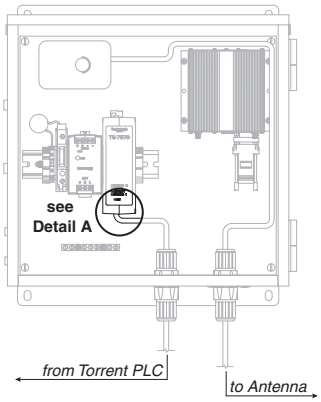

**Pump Link**
**Integra Enclosure**

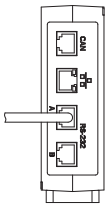



**Pump Link**
**Cellular Enclosure**



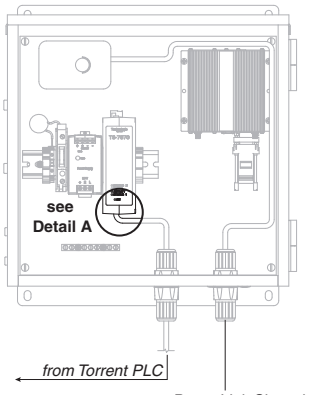

**Pump Link**
**IP Enclosure**



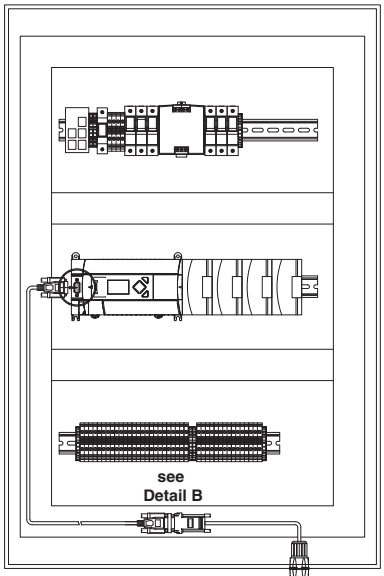




**Detail A**

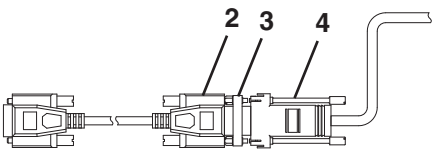
**Pump Link**
**Shared Radio Enclosure**




*see Pump Link Shared Radio Enclosure pages*

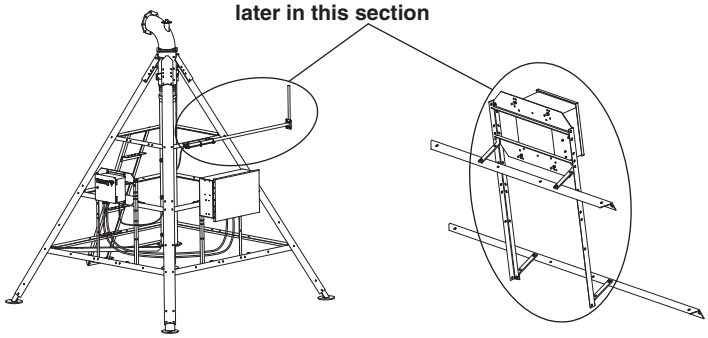



**Torrent Drive Enclosure**



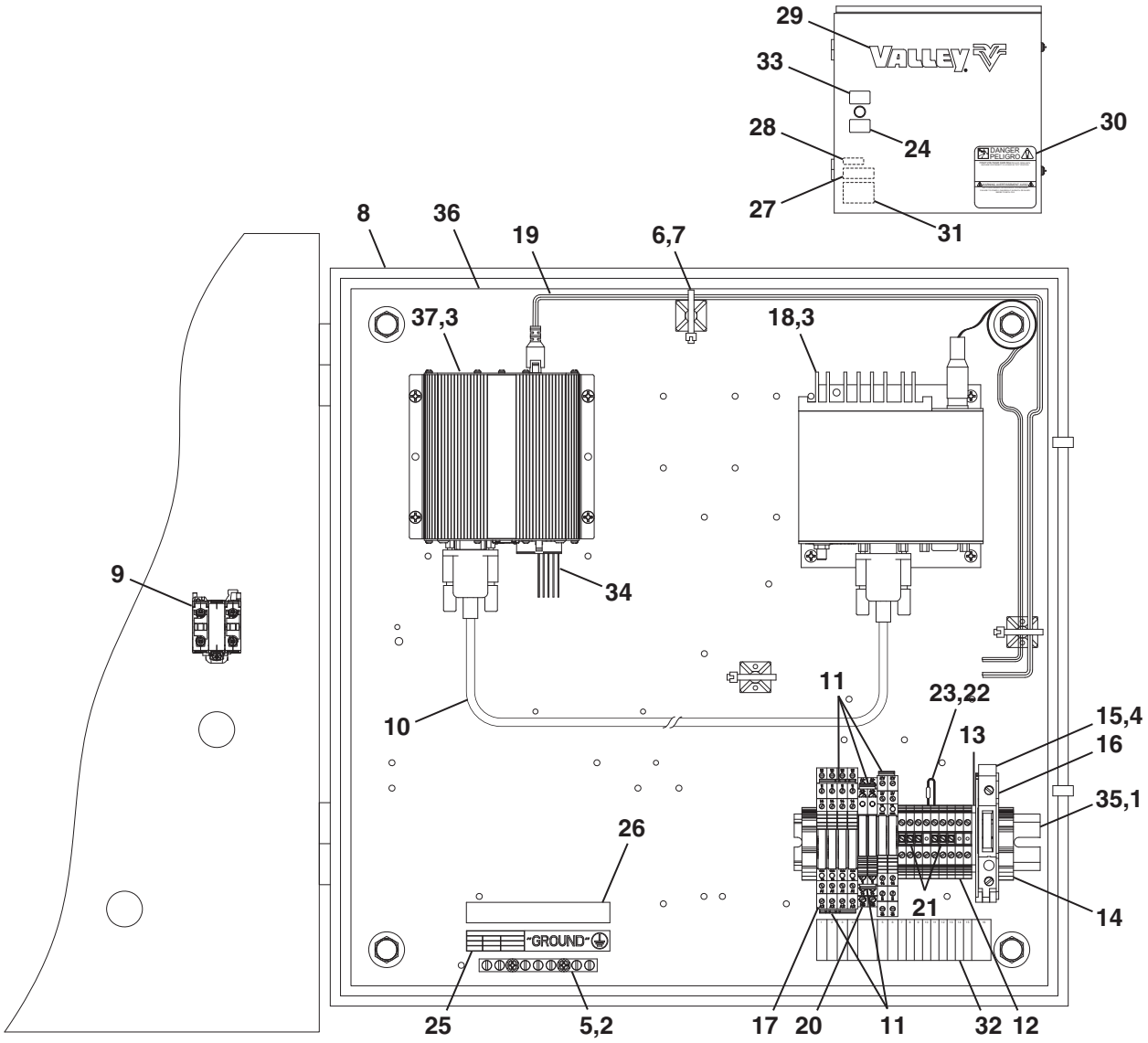

**Detail B**

**NOTE: For Panel and Antenna mounting see Mounting Hardware page later in this section**



| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Cord Connector - 1/2" Hub | 03E2132 |
| 2 | 6' Extension - DB9 Male to DB9 Female | 03E2445 |
| 3 | Adapter - DB9 Female - Female | 03E2783 |
| 4 | Modified Connector - DB9 Male to RJ45 Female | 03E3918 |
| 5 | 3/8" Coaxial Assm. - N-Male to N-Male 16' Long | 1814333 |

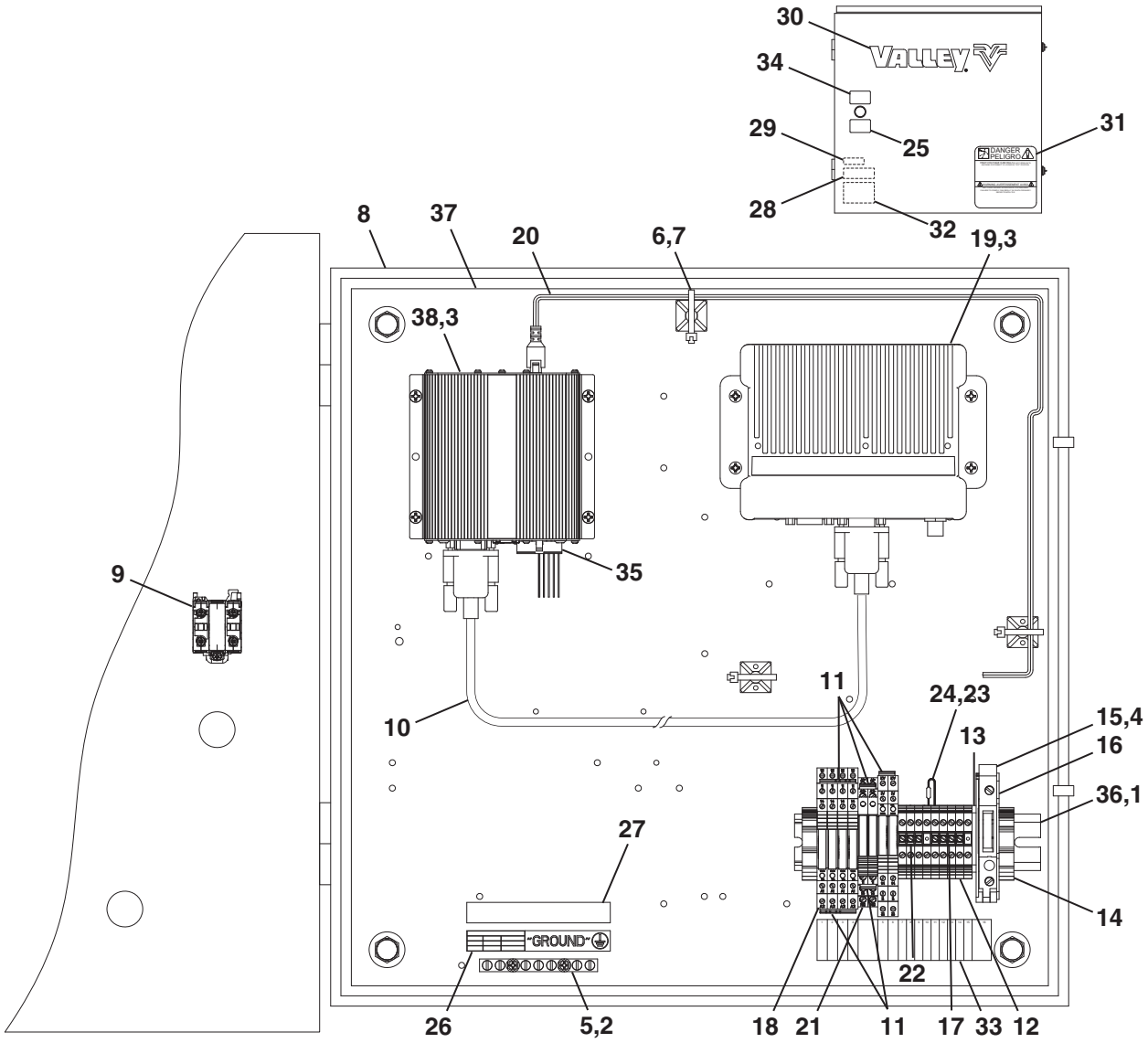

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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 2 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 3 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 4 | Safety Fuse - 5 Amp | 0314859 |
| 5 | Ground Lug - 7 Terminal | 0315120 |
| 6 | Wire Tie Holder - Self-Adhesive | 03E0046 |
| 7 | Cable Tie - 5.50" Long (not shown) | 03E1605 |
| 8 | 3R Enclosure - 20" x 20" x 8" | 03E2074 |
| 9 | Pushbutton Switch - N.O. | 03E2224 |
| 10 | 6' Extension - DB9 Male to DB9 Female | 03E2445 |
| 11 | Jumper - Grey | 03E2884 |
| 12 | Terminal Block - Din Rail Mount | 03E2994 |
| 13 | Terminal Block End Cover | 03E2995 |
| 14 | End Stop - Din Rail | 03E2996 |
| 15 | Fuse Block - Din Rail Mount | 03E2997 |
| 16 | Fuse Block End Cover | 03E2998 |
| 17 | Relay - 12VDC TB | 03E3107 |
| 18 | Dataradio - UHF 6.25/12.5 KHz 138-174 MHz | 03E3241 |
| | Dataradio - UHF 6.25/12.5 KHz 406-440 MHz | 03E3243 |
| | Dataradio - UHF 6.25/12.5 KHz 440-476 MHz | 03E3242 |
| 19 | Power Supply Cable - 30.00" Long | 03E3949 |
| 20 | Relay - Dinrail Mount 24VDC 3.5A | 03E4115 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 21 | Terminal Jumper - 3-Pole | 03E4116 |
| 22 | Shrink Tubing - 1/8" I.D. Clear | 03E4128 |
| 23 | Resistor - 332K 1% 1/4 Watt | 03E4438 |
| 24 | Decal - Genset Link Switch One Second Hold | 0980357 |
| 25 | Decal - Ground | 0992925 |
| 26 | Decal - Copper Wire Only | 0994836 |
| 27 | Decal - 3R Enclosure | 0996403 |
| 28 | Decal - Main Disconnect Switch | 0996562 |
| 29 | Decal - Valley Logo | 0997431 |
| 30 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 31 | Decal - UL Spec Nameplate | 0999934 |
| 32 | Decal - GenSet Link Field Wiring | 0999969 |
| 33 | Decal - GenSet Link Switch | 0999970 |
| 34 | Wire Harness Assm. - 18 Pin 8 Wire | 1815392 |
| 35 | Din Rail Mount Channel - 6.00" Long | 9310608 |
| 36 | Backpanel - Telemetry | 9312493 |
| 37 | Cloudgate Gateway w/CAN and I/O | 9313005 |
| | Cloudgate Gateway - DISCONTINUED Feb 19 | 9312876 |
| | GenSet Link Integra Enclosure - 138-174 MHz | 9312832 |
| | GenSet Link Integra Enclosure - 406-440 MHz | 9312885 |
| | GenSet Link Integra Enclosure - 440-476 MHz | 9312884 |

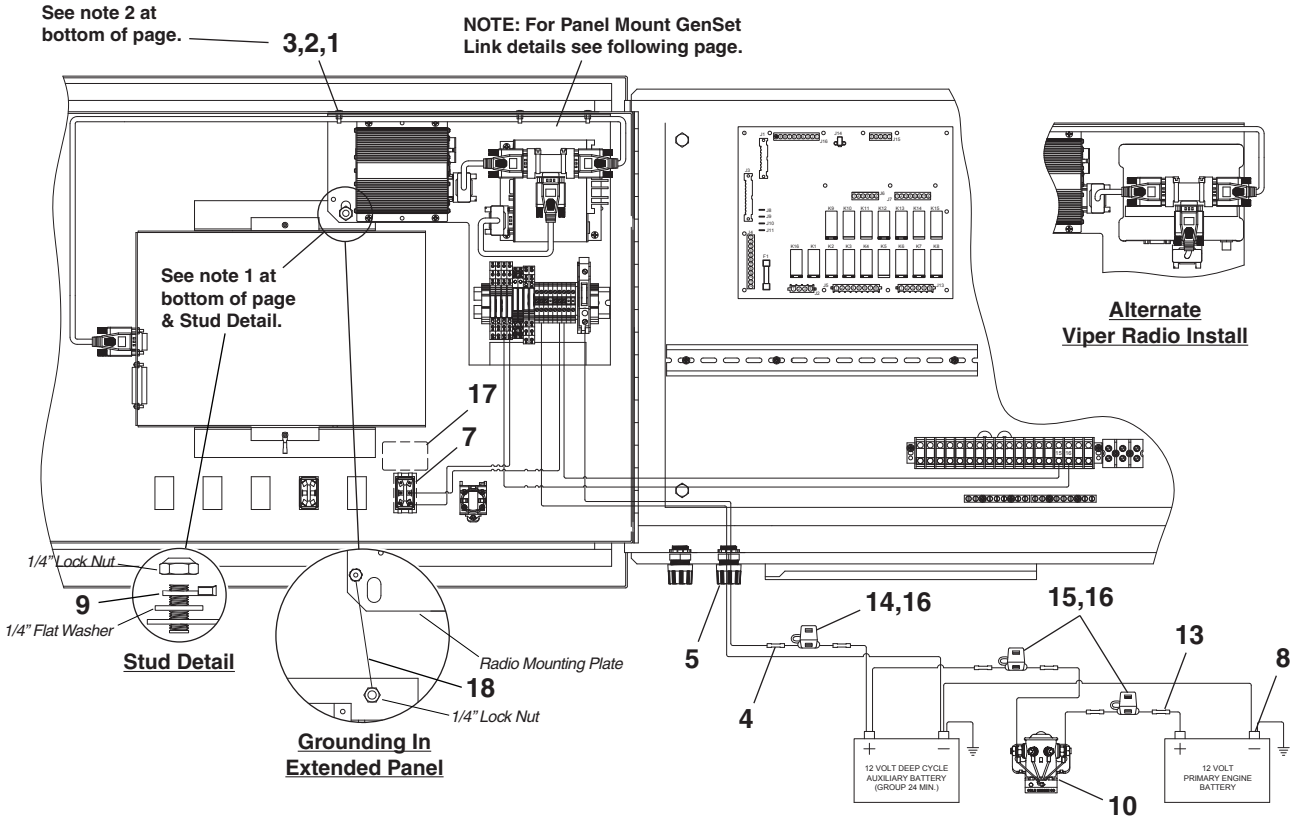

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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 2 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 3 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 4 | Safety Fuse - 5 Amp | 0314859 |
| 5 | Ground Lug - 7 Terminal | 0315120 |
| 6 | Wire Tie Holder - Self-Adhesive | 03E0046 |
| 7 | Cable Tie - 5.50" Long (not shown) | 03E1605 |
| 8 | 3R Enclosure - 20" x 20" x 8" | 03E2074 |
| 9 | Pushbutton Switch - N.O. | 03E2224 |
| 10 | 6' Extension - DB9 Male to DB9 Female | 03E2445 |
| 11 | Jumper - Grey | 03E2884 |
| 12 | Terminal Block - Din Rail Mount | 03E2994 |
| 13 | Terminal Block End Cover | 03E2995 |
| 14 | End Stop - Din Rail | 03E2996 |
| 15 | Fuse Block - Din Rail Mount | 03E2997 |
| 16 | Fuse Block End Cover | 03E2998 |
| 17 | Terminal Jumper - 4-Pole | 03E2999 |
| 18 | Relay - 12VDC TB | 03E3107 |
| 19 | Dataradio - Viper SC+ 136-174 MHz - Programmed | 03E3886 |
| | Dataradio - Viper SC+ 406.1-470 MHz - Programmed | 03E3887 |
| 20 | Power Supply Cable - 30.00" Long | 03E3949 |
| 21 | Relay - Dinrail Mount 24VDC 3.5A | 03E4115 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 22 | Terminal Jumper - 3-Pole | 03E4116 |
| 23 | Shrink Tubing - 1/8" I.D. Clear | 03E4128 |
| 24 | Resistor - 332K 1% 1/4 Watt | 03E4438 |
| 25 | Decal - Genset Link Switch One Second Hold | 0980357 |
| 26 | Decal - Ground | 0992925 |
| 27 | Decal - Copper Wire Only | 0994836 |
| 28 | Decal - 3R Enclosure | 0996403 |
| 29 | Decal - Main Disconnect Switch | 0996562 |
| 30 | Decal - Valley Logo | 0997431 |
| 31 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 32 | Decal - UL Spec Nameplate | 0999934 |
| 33 | Decal - GenSet Link Field Wiring | 0999969 |
| 34 | Decal - GenSet Link Switch | 0999970 |
| 35 | Harness Assm. - 18 Pin 8 Wire | 1815392 |
| 36 | Din Rail Mount Channel - 6.00" Long | 9310608 |
| 37 | Backpanel - Telemetry | 9312493 |
| 38 | Cloudgate Gateway w/CAN and I/O | 9313005 |
| | Cloudgate Gateway - DISCONTINUED Feb 19 | 9312876 |
| | GenSet Link Viper Enclosure - 136-174 MHz | 9312886 |
| | GenSet Link Viper Enclosure - 406.1-470 MHz | 9312887 |


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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 Hex Nut w/External Tooth Lock Washer | 0134059 |
| 2 | #8 Flat Washer - Stainless Steel | 0142084 |
| 3 | #8 x 3/8"-32 Machine Screw - Pan Head | 0164110 |
| 4 | Wire Splice - 14-16 Ga. Wire | 0314028 |
| 5 | Strain Relief Hub - .50" Hub | 0314119 |
| 6 | Strain Relief - 3/4" Hub (not shown) | 0315311 |
| 7 | Rocker Switch - Progressive Circuit D.P. 15A | 03E1723 |
| 8 | Battery Clamp w/Stud | 03E1933 |
| 9 | Ring Terminal | 03E3940 |
| 10 | Smart Battery Isolator - 48525 Series | 03E4136 |
| 11 | 5/16" Ring Tongue Terminal - 14-16 Ga. | 03E4142 |
| 12 | 5/16" Ring Tongue Terminal - 10-12 Ga. | 03E4143 |
| 13 | Wire Splice - 10-12 Ga. | 03E4144 |
| 14 | Fuse - ATO 32V 10 Amp | 03E4145 |
| 15 | Fuse - ATO 32V 30 Amp | 03E4146 |
| 16 | Fuseholder w/Cap - ATO Heavy Duty In-Line | 03E4147 |
| 17 | Decal - GenSet Link Switch | 0999970 |
| 18 | Ground Wire | 1815105 |

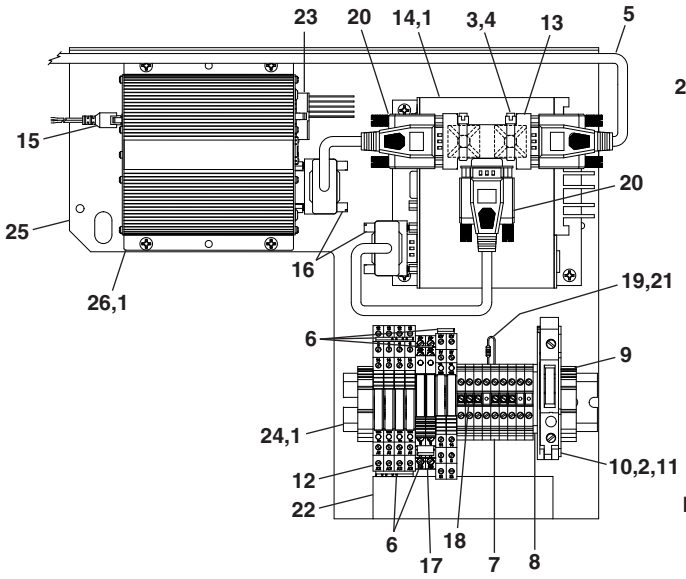
**GenSet Link In-Panel Field Hardware Kit ..... KA02469**

[1] **NOTE: If Grounding Stud is present remove Nut before mounting and replace w/ new 1/4" Lock Nut - 0133008 & 1/4" Flat Washer - 0142022.**

[2] **NOTE: If mounting stud is present use w/ #8 Washer (2) & #8 Hex Nut (1).**

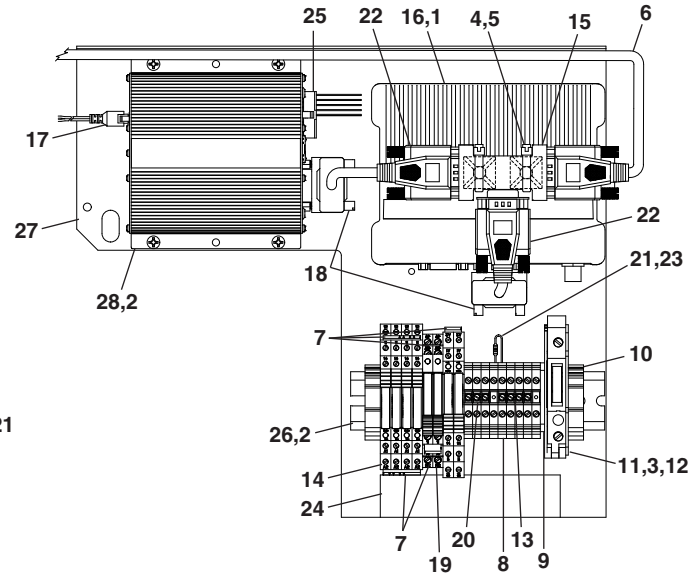

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## INTEGRA Panel Mount



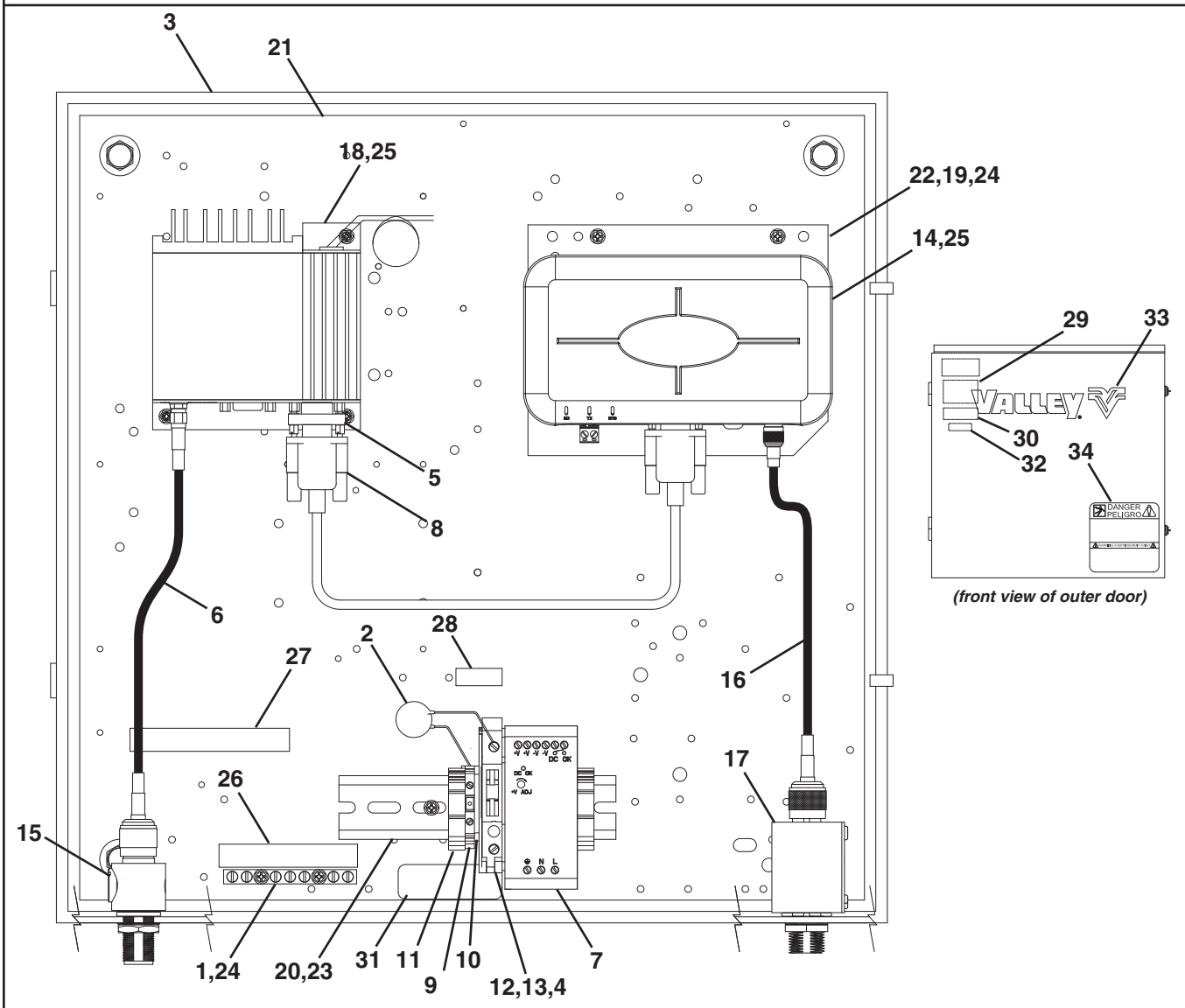

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 2 | Safety Fuse - 5 Amp | 0314859 |
| 3 | Wire Tie Holder - Self-Adhesive | 03E0046 |
| 4 | Cable Tie - 5.50" Long (not shown) | 03E1605 |
| 5 | Serial Cable - Shielded | 03E2648 |
| 6 | Jumper - Grey | 03E2884 |
| 7 | Terminal Block - Din Rail Mount | 03E2994 |
| 8 | Terminal Block End Cover | 03E2995 |
| 9 | End Stop - Din Rail | 03E2996 |
| 10 | Fuse Block - Din Rail Mount | 03E2997 |
| 11 | Fuse Block End Cover | 03E2998 |
| 12 | Relay - 12VDC TB | 03E3107 |
| 13 | Modem Data Splitter - DB9M DCE to DB9F DTE | 03E3148 |
| 14 | Dataradio - 6.25/12.5 KHz 138-174 MHz | 03E3241 |
| | Dataradio - 6.25/12.5 KHz 406-440 MHz | 03E3243 |
| | Dataradio - 6.25/12.5 KHz 440-476 MHz | 03E3242 |
| 15 | Power Supply Cable - 30.00" Long | 03E3949 |
| 16 | DB9 Male/Female 90° Connector | 03E4045 |
| 17 | Relay - Dinrail Mount 24VDC 3.5A | 03E4115 |
| 18 | Terminal Jumper - 3-Pole | 03E4116 |
| 19 | Resistor - 332K, 0.1% 1/4 Watt | 03E4438 |
| 20 | Cable - DB9 Male to DB9 Female 13" Long | 03E4122 |
| 21 | Shrink Tubing - 1/8" I.D. Clear | 03E4128 |
| 22 | Decal - GenSet Link Field Wiring | 0999969 |
| 23 | Harness Assm. - 18 Pin 8 Wire | 1815392 |
| 24 | Din Rail Mount Channel - 6.00" Long | 9310608 |
| 25 | Inner Door Mounting Plate | 9312830 |
| 26 | Cloudgate Gateway w/CAN and I/O | 9313005 |
| | Cloudgate Gateway - DISCONTINUED Feb 19 | 9312876 |
| | GenSet Link Panel Mount - Integra - 138-174 MHz | 9312831 |
| | GenSet Link Panel Mount - Integra - 406-440 MHz | 9312878 |
| | GenSet Link Panel Mount - Integra - 440-476 MHz | 9312877 |

## VIPER Panel Mount




| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #6 x 1/4" Machine Screw - Pan Phillips Head S.S. | 0164188 |
| 2 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 3 | Safety Fuse - 5 Amp | 0314859 |
| 4 | Wire Tie Holder - Self-Adhesive | 03E0046 |
| 5 | Cable Tie - 5.50" Long (not shown) | 03E1605 |
| 6 | Serial Cable - Shielded | 03E2648 |
| 7 | Jumper - Grey | 03E2884 |
| 8 | Terminal Block - Din Rail Mount | 03E2994 |
| 9 | Terminal Block End Cover | 03E2995 |
| 10 | End Stop - Din Rail | 03E2996 |
| 11 | Fuse Block - Din Rail Mount | 03E2997 |
| 12 | Fuse Block End Cover | 03E2998 |
| 13 | Terminal Jumper - 4-Pole | 03E2999 |
| 14 | Relay - 12VDC TB | 03E3107 |
| 15 | Modem Data Splitter - DB9M DCE to DB9F DTE | 03E3148 |
| 16 | Dataradio-Viper SC+ 136-174 MHz - Programmed | 03E3886 |
| | Dataradio-Viper SC+ 406.1-470 MHz - Programmed | 03E3887 |
| 17 | Power Supply Cable - 30.00" Long | 03E3949 |
| 18 | DB9 Male/Female 90° Connector | 03E4045 |
| 19 | Relay - Dinrail Mount 24VDC 3.5A | 03E4115 |
| 20 | Terminal Jumper - 3-Pole | 03E4116 |
| 21 | Resistor - 332K, 0.1% 1/4 Watt | 03E4438 |
| 22 | Cable - DB9 Male to DB9 Female 13" Long | 03E4122 |
| 23 | Shrink Tubing - 1/8" I.D. Clear | 03E4128 |
| 24 | Decal - GenSet Link Field Wiring | 0999969 |
| 25 | Harness Assm. - 18 Pin 8 Wire | 1815392 |
| 26 | Din Rail Mount Channel - 6.00" Long | 9310608 |
| 27 | Inner Door Mounting Plate | 9312830 |
| 28 | Cloudgate Gateway w/CAN and I/O | 9313005 |
| | Cloudgate Gateway - DISCONTINUED Feb 19 | 9312876 |
| | GenSet Link Panel Mount - Viper - 136-174 MHz | 9312879 |
| | GenSet Link Panel Mount - Viper - 406.1-470 MHz | 9312880 |


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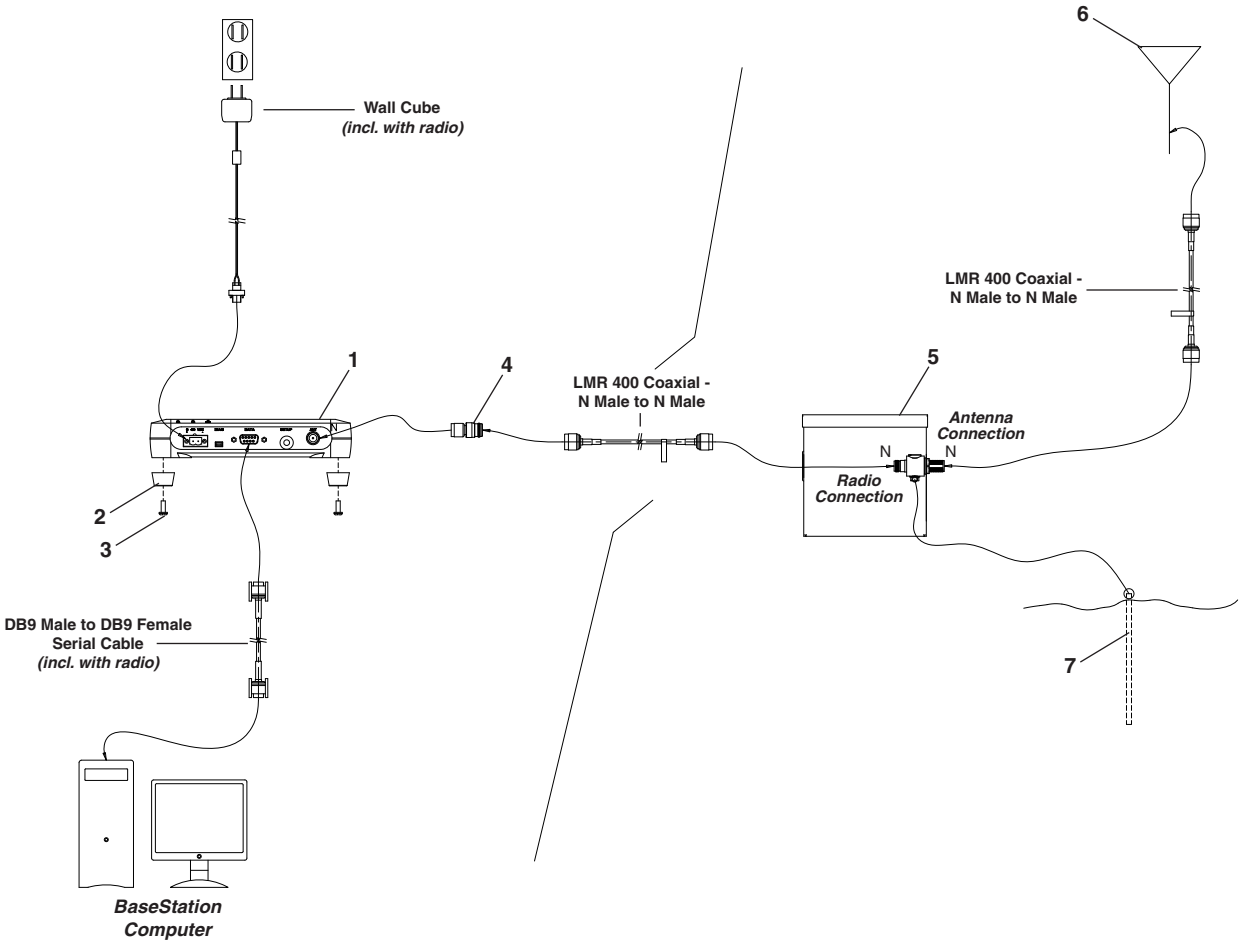



*(front view of outer door)*

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Ground Lug - 7 Term. | 0315120 |
| 2 | Transient Voltage Suppressor - 250V | 03E1782 |
| 3 | 3R Enclosure - 20 x 20 x 8 | 03E2074 |
| 4 | Fuse - 1.0 Amp 250V | 03E2081 |
| 5 | DB-9 Null Modem Adapter | 03E2317 |
| 6 | N Male to SMA Antenna Jumper | 03E2434 |
| 7 | Power Supply - 12V 60W | 03E3018 |
| 8 | 6' Extension - DB9 Male to DB9 Male | 03E2449 |
| 9 | Terminal Block Din Rail Mount | 03E2994 |
| 10 | Terminal Block End Cover | 03E2995 |
| 11 | Din Rail End Stop | 03E2996 |
| 12 | Fuse Block Din Rail Mount | 03E2997 |
| 13 | Fuse Block End Cover | 03E2998 |
| 14 | Freewave SSR RS232 - TNC-F | 03E3061 |
| 15 | Coaxial Surge Protector - 230V | 03E3194 |
| 16 | Coax. Ant. Jumper - MR240 N-Male-TNC-Male - 3' | 03E3064 |
| 17 | Coaxial Surge Protector - 750W | 03E3209 |
| 18 | Dataradio - VHF 6.25/12.5 KHz 138-174 MHz | 03E3241 |
| | - VHF 6.25/12.5 KHz 406-440 MHz | 03E3243 |
| | - VHF 6.25/12.5 KHz 440-476 MHz | 03E3242 |

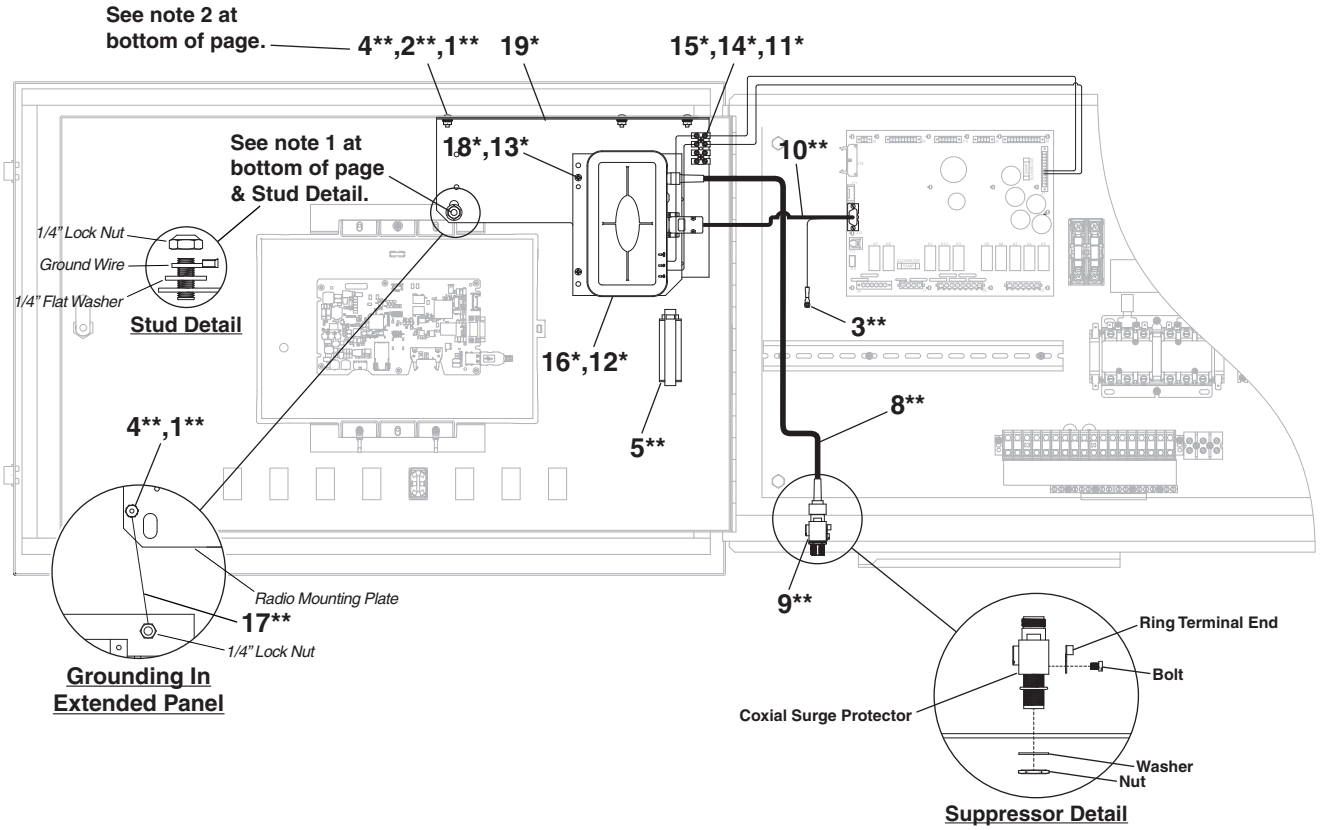
| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 19 | #8 x 1/4" Spacer | 03E3678 |
| 20 | Din Rail Mount Channel - 6" Long | 9310608 |
| 21 | Remote Link Backpanel | 9310993 |
| 22 | SSR Mounting Plate | 9311895 |
| 23 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 24 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 25 | #6 x 1/4" Screw - Phillips Head | 0164188 |
| 26 | Decal - Ground | 0992925 |
| 27 | Decal - Copper Wire Only - 60° C | 0994836 |
| 28 | Decal - 1.0 Amp Fuse | 03E2082 |
| 29 | Decal - 3R Enclosure | 0996403 |
| 30 | Decal - UL Spec Nameplate 120V/15A | 0996505 |
| 31 | Decal - Neutral/120VAC Torque | 0996561 |
| 32 | Decal - Main Disconnect Switch | 0996562 |
| 33 | Decal - Valley Logo | 0997431 |
| 34 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| | Repeater 138-174 VHF w/SSR | 9312323 |
| | Repeater 406-440 UHF w/SSR | 9312388 |
| | Repeater 440-470 UHF w/SSR | 9312349 |


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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Freewave SSR RS232 - TNC-F | 03E3061 |
| 2 | Recessed Bumper | 03E3751 |
| 3 | #6 x 3/8" Screw | 0164198 |
| 4 | Coaxial Adapter - N-Female / TNC Male | 03E3752 |
| 5 | Antenna Surge Suppressor Enclosure | 9312394 |
| 6 | SSR Omni Antenna - 8DBI | 03E3753 |
| | - 6DBI | 03E3754 |
| | 900MHz SS Yagi N-Female Connector Antenna - 9DBI | 03E3755 |
| | - 12DBI | 03E3756 |
| 7 | Grounding Rod Pkg. | 0000573 |


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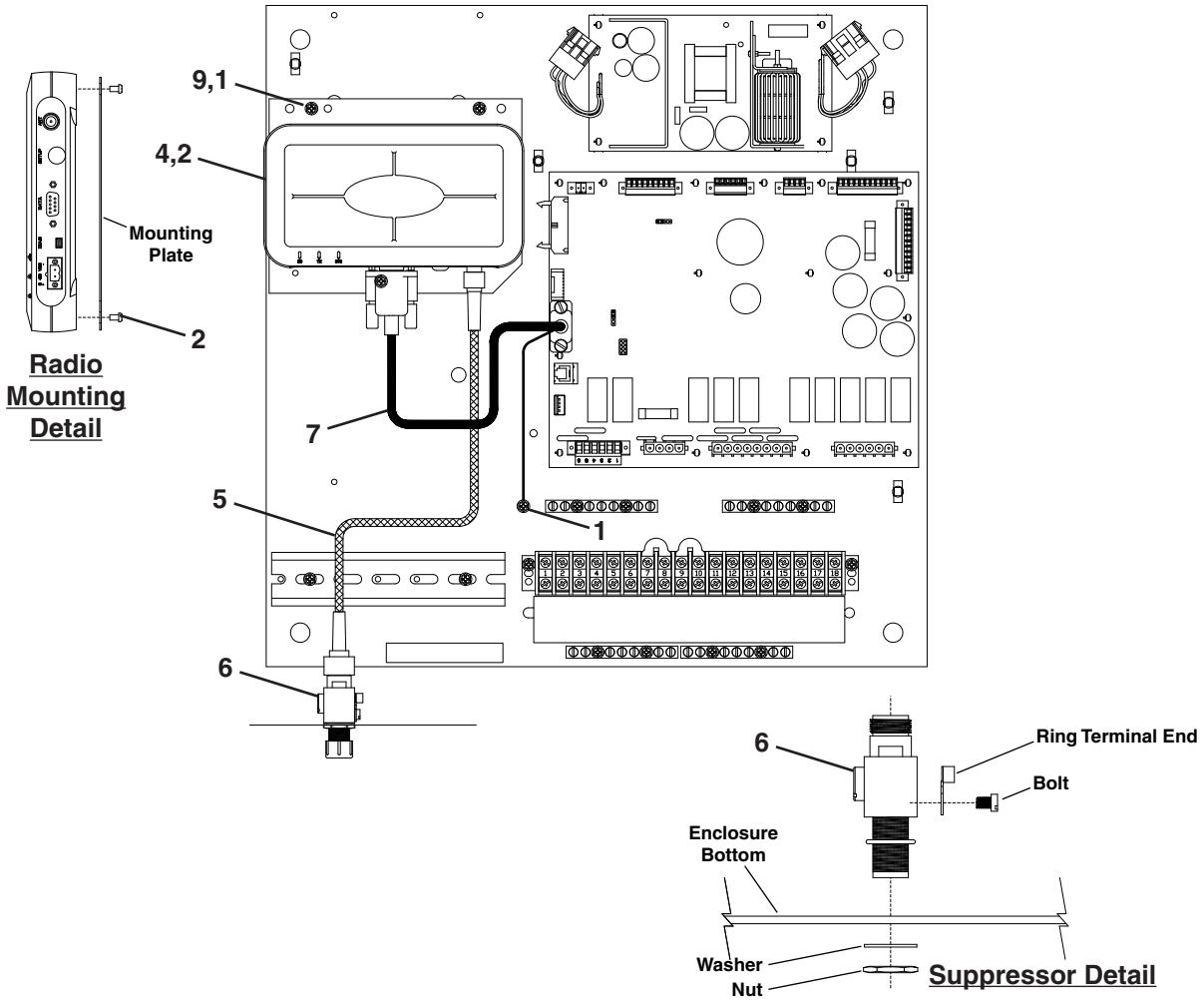



| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 Hex Nut w/External Tooth Lock Washer | 0134059 |
| 2 | #8 Flat Washer - Stainless Steel | 0142084 |
| 3 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 4 | #8 x 3/8"-32 Machine Screw - Pan Head | 0164110 |
| 5 | Flat Cable Clamp | 0315840 |
| 6 | Wire Tire Holder - Self-Adhesive (not shown) | 03E0046 |
| 7 | Cable Tie - Plastic 5.50 Long (not shown) | 03E1605 |
| 8 | Antenna Jumper - N Male to TNC Male - LMR 240 | 03E3064 |
| 9 | Coaxial Surge Protector - 230V | 03E3194 |
| 10 | Serial Cable - DB9 Female to DB9 Male - 3' Long | 03E4017 |
| 11 | #6 Hex Nut w/External Tooth Lock Washer | 0134058 |
| 12 | #6 x 1/4" Machine Screw - Phillips Pan Head | 0164188 |
| 13 | #8-32 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 14 | #6 x 5/8"-32 Machine Screw - Phillips Pan Head | 0164252 |
| 15 | 4 Position Terminal Strip | 03E0047 |
| 16 | 900 MHz Freewave SSR Radio | 03E3061 |
| 17 | Ground Wire | 1815105 |
| 18 | SSR Mounting Plate | 9311895 |
| 19 | Radio Mounting Plate for Inner Door | 9312723 |

* Panel Mount Freewave SSR 900 MHz for ICON ..... 9312747
** Freewave Radio Mount Hardware Install for ICON Kit ..... KA02235

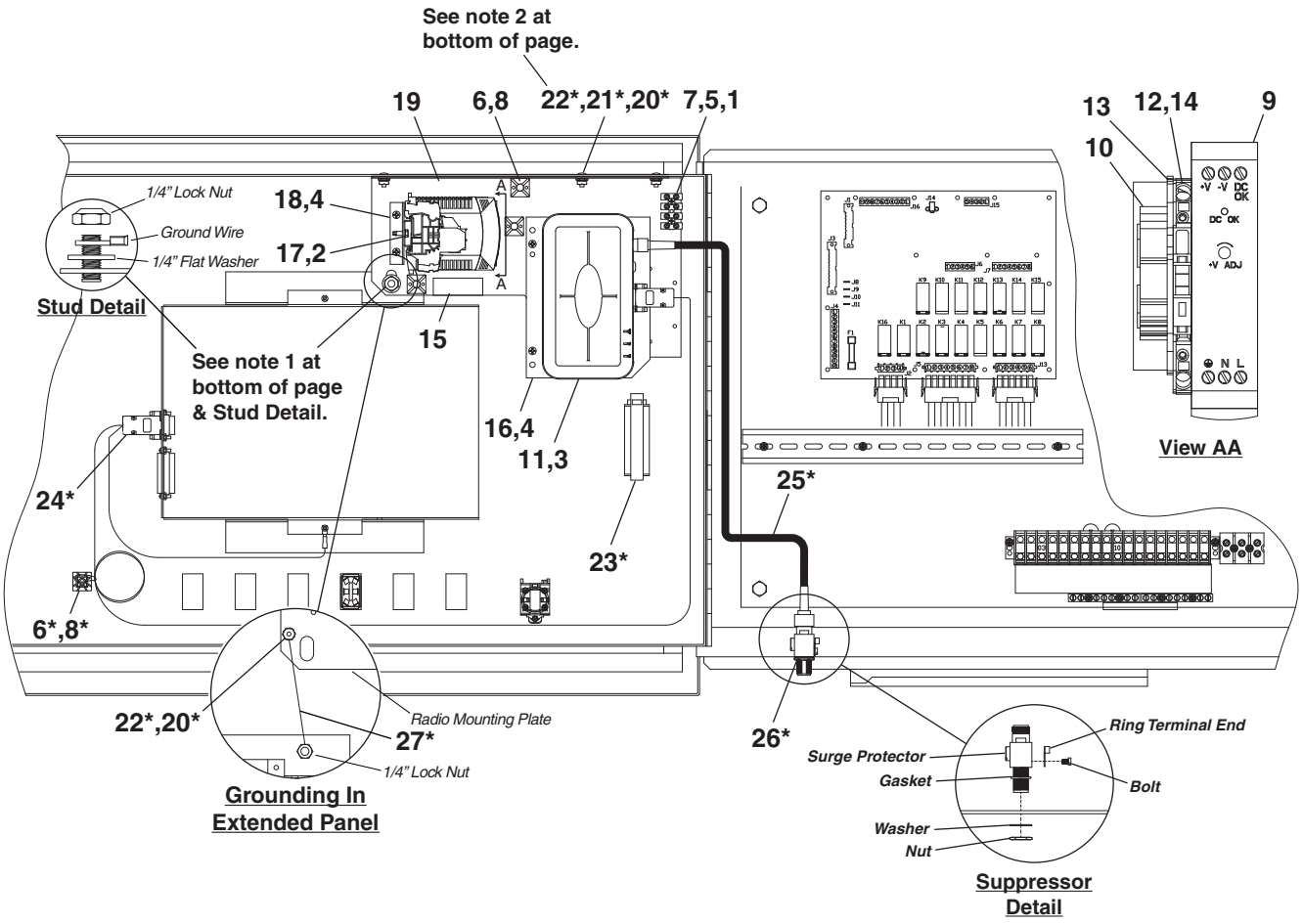
[1] NOTE: If Grounding Stud is present remove Nut before mounting and replace w/ new 1/4" Lock Nut-0133008 & 1/4" Flat Washer-0142022.
[2] NOTE: If mounting stud is present use w/ #8 Washer (2) & #8 Hex Nut (1).


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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 2 | #6 x 1/4" Machine Screw - Phillips Pan Head | 0164188 |
| 3 | Cable Tie - 5.50" Long Plastic (not shown) | 03E1605 |
| 4 | Freewave SSR RS232 TNC-F | 03E3061 |
| 5 | Antenna Jumper - LMR240 N-Male to TNC-Male | 03E3064 |
| 6 | Surge Protector - Coaxial 230V | 03E3194 |
| 7 | Serial Cable - DB9M to DB9F 3' Long | 03E4017 |
| 8 | Self-Bonding Silicone Tape (not shown) | 0996553 |
| 9 | SSR Mounting Plate | 9311895 |
| | ICONX Freewave SSR Kit | KA02420 |


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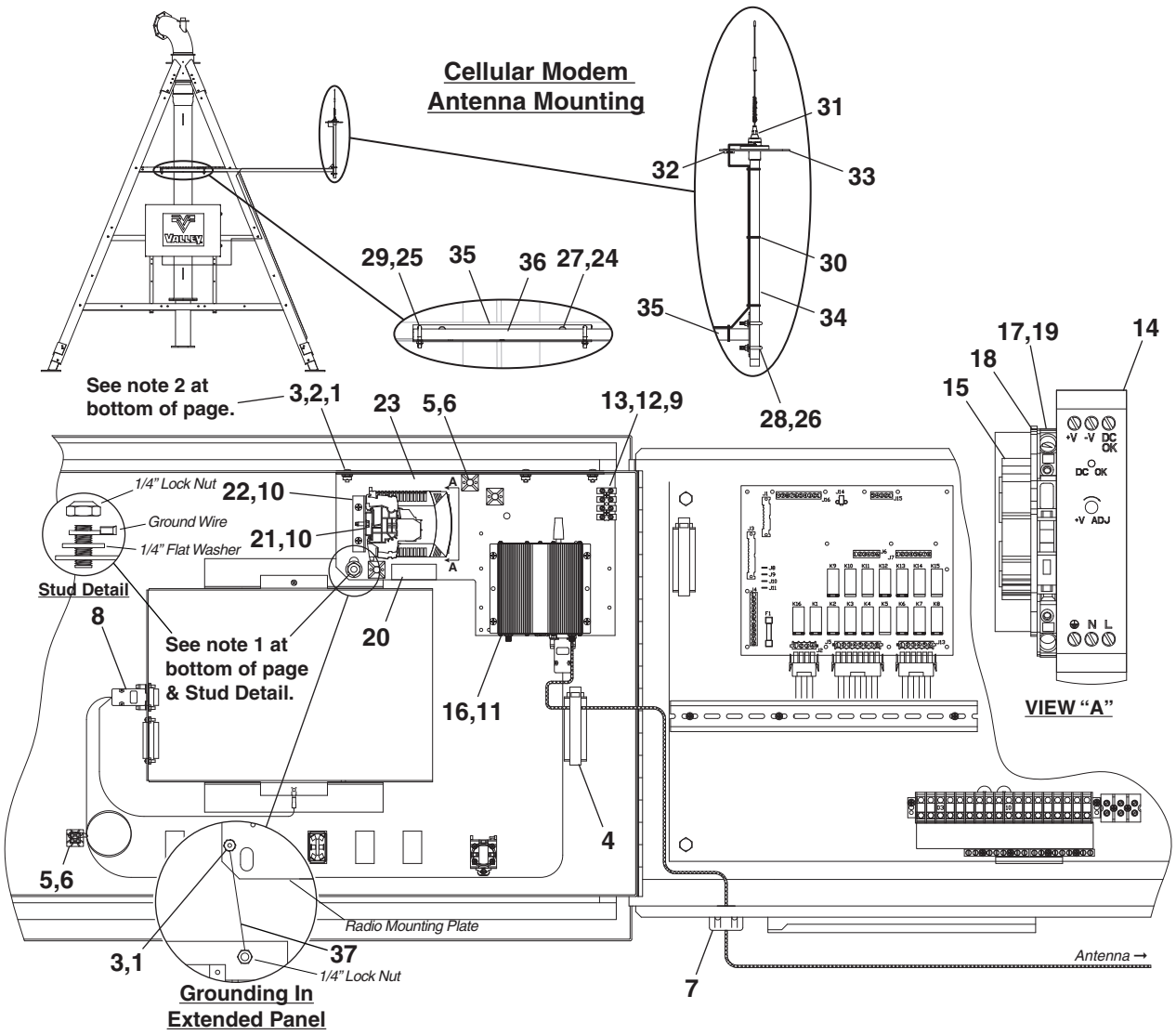

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #6 Hex Nut w/External Tooth Lockwasher | 0134058 |
| 2 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 3 | #6 x 1/4" Machine Screw - Phillips Pan Head | 0164188 |
| 4 | #8-32 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 5 | #6 x 5/8" Machine Screw - Phillips Pan Head | 0164252 |
| 6 | Wire Tie Holder - Self-Adhesive | 03E0046 |
| 7 | 4 Position Terminal Strip | 03E0047 |
| 8 | Cable Tie - Plastic | 03E1605 |
| 9 | Power Supply, Dinrail Mount - 12V 20W | 03E2767 |
| 10 | Din Rail End Stop | 03E2996 |
| 11 | Freewave SSR RS232 - TNC-F | 03E3061 |
| 12 | Fuse Disconnect Terminal Block - 2 Cond. 5x20 | 03E3854 |
| 13 | Fuse Disconnect Terminal Block End Cover | 03E3895 |
| 14 | Fuse - 2 Amp 250V 5x20 | 03E3911 |
| 15 | Decal - 2.0 Amp Fast Acting Fuse | 03E3912 |
| 16 | SSR Mounting Plate | 9311895 |
| 17 | Din Rail Mount Channel - 2.50" Long | 9311988 |
| 18 | Din Rail Mount Bracket | 9312413 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 19 | Radio Mounting Plate for Inner Door | 9312723 |
| 20 | #8 Hex Nut w/External Tooth Lock Washer | 0134059 |
| 21 | #8 Flat Washer | 0142084 |
| 22 | #8 x 3/8" Machine Screw - Pan Head | 0164110 |
| 23 | Flat Cable Clamp | 0315840 |
| 24 | Serial Cable Assm. - Shielded | 03E2648 |
| 25 | Coaxial Jumper - N-M to TNC-M - 3' Long | 03E3064 |
| 26 | Coxial Surge Protector - 230V | 03E3194 |
| 27 | Ground Wire | 1815105 |
| | Freewave SSR Panel Mount | 9312410 |
| * | Freewave Radio Mount Hardware Kit | KA01787 |

[1] NOTE: If Grounding Stud is present remove Nut before mounting and replace w/new 1/4" Lock Nut-0133008 & 1/4" Flat Washer-0142022.

[2] NOTE: If mounting stud is present use w/ #8 Washer (21) & #8 Hex Nut (20).


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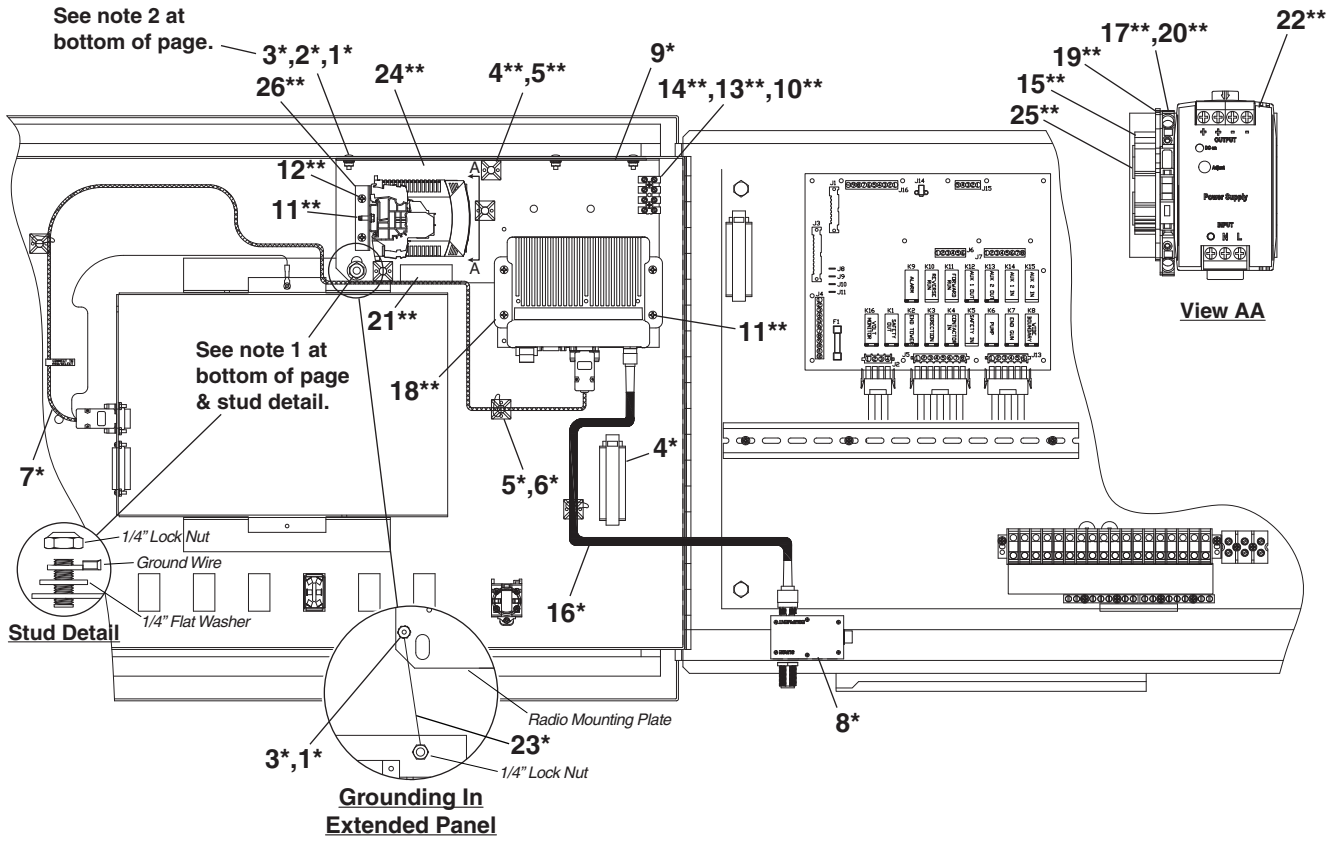

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 Hex Nut w/External Tooth Lockwasher | 0134059 * |
| 2 | #8 Flat Washer | 0142084 * |
| 3 | #8 x 3/8" Machine Screw - Pan Head | 0164110 * |
| 4 | Flat Cable Clamp | 0315840 * |
| 5 | Wire Tie Holder - Self-Adhesive | 03E0046 * |
| 6 | Cable Tie - Plastic | 03E1605 * |
| 7 | Cord Connector - 1/2" Hub | 03E2132 * |
| 8 | Serial Cable - Shielded | 03E2648 * |
| 9 | #6 Hex Nut w/External Tooth Lock Washer | 0134058 ** |
| 10 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 ** |
| 11 | #8-32 x 1/4" Self_Tapping Screw - Phillips Head | 0164226 ** |
| 12 | #6 x 5/8"-32 Machine Screw - Phillips Pan Head | 0164252 ** |
| 13 | 4 Position Terminal Strip | 03E0047 ** |
| 14 | Power Supply, Din Rail Mount - 12V 20W | 03E2767 ** |
| 15 | Din Rail End Stop | 03E2996 ** |
| 16 | BaseStation 4G LTE Cellular Modem | 9313097 ** |
| 17 | Disconnect Terminal Block - 2 Cond. 5x20 Fuse | 03E3854 ** |
| 18 | Disconnect Terminal Block End Cover | 03E3895 ** |
| 19 | Fuse - 2 Amp 250V 5x20 | 03E3911 ** |
| 20 | Decal - 2.0 Amp Fast Acting Fuse | 03E3912 ** |
| 21 | Din Rail Mount Channel - 2.50 Long | 9311988 ** |
| 22 | Din Rail Mount Bracket | 9312413 ** |
| 23 | Radio Mounting Plate for Inner Door | 9312723 ** |
| 24 | 1/2" Lock Nut | 0133005 [1] |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 25 | 3/8" Lock Nut | 0133006 [1] |
| 26 | 5/16" Flat Washer | 0142017 [1] |
| 27 | 1/2" x 1-1/4" Cap Screw | 0161027 [1] |
| 28 | 5/16" U-Bolt | 0176064 [1] |
| 29 | 3/8" U-Bolt - Square | 0176070 [1] |
| 30 | Cable Tie | 0314834 [1] |
| 31 | Cell Antenna - Magnetic Mount | 03E3826 [1] |
| 32 | Snap Bushing | 0192078 [2] |
| 33 | Magnetic Mount Antenna Base Assm. | 1704197 [2] |
| 34 | 3/4" x 24" Nipple - Galvanized | 0211133 |
| 35 | Antenna Mount Bracket - Horizontal | 1703727 |
| 36 | Universal Antenna Mount Arm Assm. | 1704195 |
| 37 | Ground Wire | 1815105 * |

* BaseStation Cellular Modem Kit ..... KA01800
** BaseStation Verizon Cellular Modem ..... 9312427 *
[1] Cellular Antenna Mounting Hardware Kit ..... KA01799
[2] Magnetic Base Antenna Mount Kit ..... KA09979

[1] NOTE: If Grounding Stud is present remove Nut before mounting and replace w/new 1/4" Lock Nut-0133008 & 1/4" Flat Washer-0142022.
[2] NOTE: If mounting stud is present use w/ #8 Washer (2) & #8 Hex Nut (1).


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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 Hex Nut w/ External Tooth Lock Washer | 0134059 |
| 2 | #8 Flat Washer | 0142084 |
| 3 | #8 x 3/8" Machine Screw - Phillips Head | 0164110 |
| 4 | Flat Cable Clamp | 0315840 |
| 5 | Wire Tie Holder - Self-Adhesive | 03E0046 |
| 6 | Cable Tie - 5.50" Long | 03E1605 |
| 7 | Serial Cable - Shielded | 03E2648 |
| 8 | Surge Protector - 750W Coaxial | 03E3209 |
| 9 | Viper SC+ 136-174 MHz Panel Mount Assm | 9312461 |
| | Viper SC+ 406.1-470 MHz Panel Mount Assm | 9312462 |
| 10 | #6 Hex Nut w/External Tooth Lock Washer | 0134058 |
| 11 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 12 | #8-32 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 13 | #6 x 5/8" Machine Screw - Phillips Pan Head | 0164252 |
| 14 | 4 Position Terminal Strip | 03E0047 |
| 15 | Din Rail End Stop | 03E2996 |
| 16 | Antenna Jumper, N-Male to TNC-Male - 3' Long | 03E3064 |
| 17 | Fuse Disconnect Terminal Block - 2 Cond. 5x20 | 03E3854 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 18 | Viper SC+ Dataradio - VHF Programmed | 03E3886 |
| | - UHF Programmed | 03E3887 |
| 19 | Fuse Disconnect Terminal Block End Cover | 03E3895 |
| 20 | Fuse - 2 Amp 250V 5x20 | 03E3911 |
| 21 | Decal - 2.0 Amp Fast Acting Fuse | 03E3912 |
| 22 | Power Supply, Din Rail Mnt. - Class2 24VDC 2.5A | 03E3917 |
| 23 | Ground Wire | 1815105 |
| 24 | Radio Mounting Plate for Inner Door | 9312723 |
| 25 | Din Rail Mount Channel - 2.50" Long | 9311988 |
| 26 | Din Rail Mount Bracket | 9312413 |

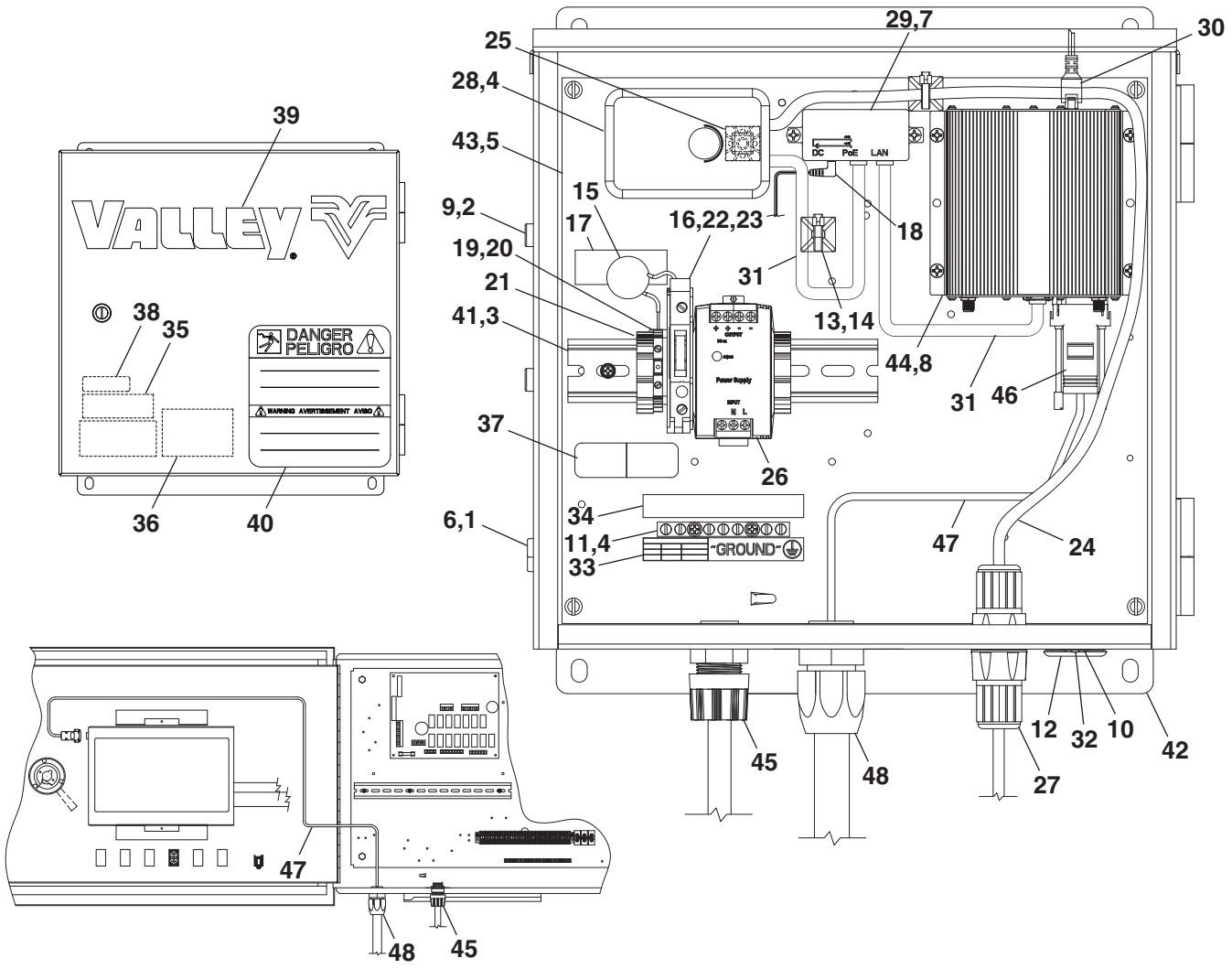
* Viper RTU Install Kit ..... KA01880

** Items included in Viper Panel Mount Assm. (Item 9)

[1] NOTE: If Grounding Stud is present remove Nut before mounting and replace w/new 1/4" Lock Nut-0133008 & 1/4" Flat Washer-0142022.

[2] NOTE: If mounting stud is present use w/ #8 Washer (2) & #8 Hex Nut (1).


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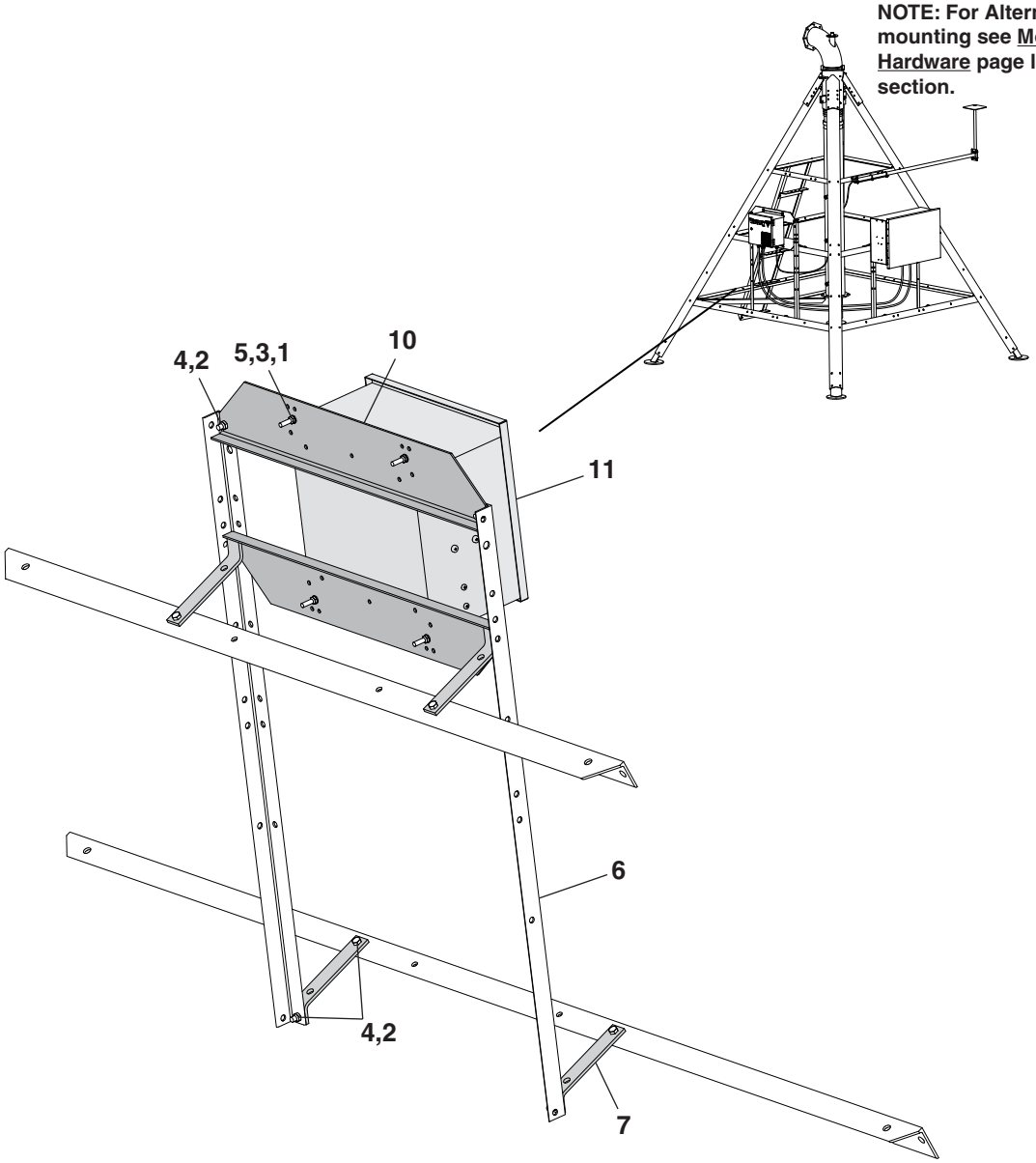



| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 Hex Nut w/ External Tooth Lock Washer | 0134059 |
| 2 | M6x1 Hex Nut w/ External Tooth Lock Washer | 0134064 |
| 3 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 4 | #8 x 7/8" Self Tapping Screw - Phillips Head | 0161356 |
| 5 | #10 x 1/2" Machine Screw - Pan Head | 0164143 |
| 6 | #8 x 5/16" Seal Screw - Phillips Pan Head | 0164223 |
| 7 | #6 x 1/4" Self-Tapping Screw - Phillips Head | 0164225 |
| 8 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 9 | M6x1 x 8mm Seal Screw - Phillips Pan Head | 0164253 |
| 10 | Snap Button Hole Plug - .50" Dia. Hole | 0314749 |
| 11 | Ground Lug - 7 Terminal | 0315120 |
| 12 | Hole Seal - 0.50" Conduit Hole | 03E4349 |
| 13 | Self-Adhesive Wire Tie Holder | 03E0046 |
| 14 | Cable Tie - 5.50" Long | 03E1605 |
| 15 | Transient Voltage Suppressor - 250V | 03E1782 |
| 16 | Fuse - 1.0 Amp .250V | 03E2081 |
| 17 | Decal - Fuse - 1.0 Amp | 03E2082 |
| 18 | Power Plug - 2.1mm | 03E2542 |
| 19 | Terminal Block Dinrail Mount | 03E2994 |
| 20 | Terminal Block End Cover | 03E2995 |
| 21 | End Stop Dinrail Mount | 03E2996 |
| 22 | Fuse Block Dinrail Mount | 03E2997 |
| 23 | Fuse Block End Cover | 03E2998 |
| 24 | Ethernet Cable - Cat5E 24" Long | 03E3812 |
| 25 | Self-Adhesive Wire Tie Holder - Tall | 03E3892 |
| 26 | Power Supply Dinrail Mount - Class2 24VDC 2.5A | 03E3917 |
| 27 | IP67 RJ45 Cable Gland - Two Way | 03E3935 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 28 | Ethernet Surge Protector | 03E3943 |
| 29 | Passive POE Power Supply Splitter - 3-48VDC | 03E3948 |
| 30 | Power Supply Cable - 30" Long | 03E3949 |
| 31 | Ethernet Cable - Cat5E 12" Long | 03E3950 |
| 32 | Snap Button Hole Plug - .088 Dia. Hole | 03E4092 |
| 33 | Decal - Ground | 0992925 |
| 34 | Decal - Copper Wire Only | 0994836 |
| 35 | Decal - 3R Enclosure | 0996403 |
| 36 | Decal - UL Spec Nameplate | 0996505 |
| 37 | Decal - Neutral/120VAC Torque | 0996561 |
| 38 | Decal - Main Disconnect Switch | 0996562 |
| 39 | Decal - Valley Logo | 0997431 |
| 40 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 41 | Dinrail Mount Channel - 6.75" Long | 9310700 |
| 42 | XTec Enclosure | 9312346 |
| 43 | XTec Enclusure Backplate | 9312347 |
| 44 | BaseStation Serial Server | 9312840 |
| 45 | Strain Relief Hub - .50 Hub | 0314119 * |
| 46 | DB9 Male to RJ45 Female Connector | 03E2444 * |
| 47 | Data Radio Remote Cable Assm. - 16' Long | 03E2446 * |
| 48 | 3/4" Straight Fitting - Non-Metallic | 03E2455 * |
| | BaseStation WiFi Enclosure | 9312729 |
| * | BaseStation WiFi Ext. Interface Mounting Kit (Remaining kit parts on following page.) | KA02368 |


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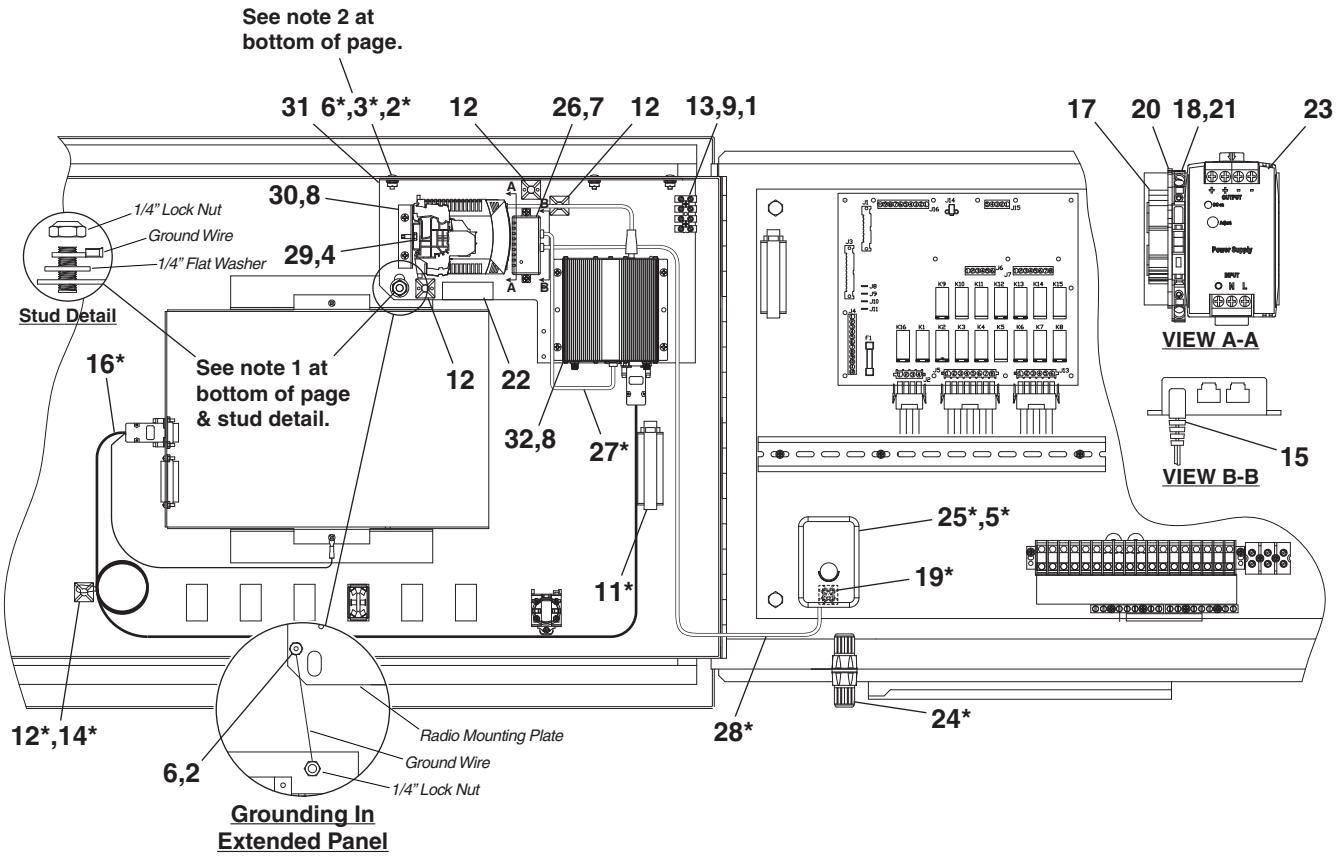
**NOTE: For Alternate Antenna mounting see Mounting Hardware page later in this section.**




| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | 5/16" Hex Nut | 0131019 * |
| 2 | 3/8" Lock Nut | 0133006 * |
| 3 | 5/16" Lock Washer | 0141008 * |
| 4 | 3/8" x 1" Cap Screw | 0161045 * |
| 5 | 5/16" x 1-1/2" Cap Screw | 0161049 * |
| 6 | Vertical Bracket | 1780272 |
| 7 | Mounting Bracket | 1780273 |
| 8 | Flex Conduit - Non-Metallic 3/4" x 10' Long | 1814341 |
| 9 | Electrical Cable - 4 Cond. 14Ga. 15' Long | 1815029 |
| 10 | Bracket | 9310161 |
| 11 | BaseStation WiFi Enclosure | 9312729 |

* BaseStation WiFi Ext. Interface Mounting Kit .....KA02368
(Remaining kit parts on previous page.)


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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #6 Hex Nut w/ External Tooth Lock Washer | 0134058 |
| 2 | #8 Hex Nut w/ External Tooth Lock Washer | 0134059 |
| 3 | #8 Flat Washer - Stainless Steel | 0142084 |
| 4 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 5 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 6 | #8 x 3/8" Machine Screw - Phillips Head | 0164110 |
| 7 | #6 x 1/4" Self-Tapping Screw - Phillips Head | 0164225 |
| 8 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 9 | #6 x 5/8" Machine Screw - Phillips Pan Head | 0164252 |
| 10 | Scotchlok Connector (not shown) | 0314151 |
| 11 | Flat Cable Clamp | 0315840 |
| 12 | Wire Tie Holder - Self-Adhesive | 03E0046 |
| 13 | Resolver Terminal Strip - 4 Position | 03E0047 |
| 14 | Cable Tie - 5.50" Long | 03E1605 |
| 15 | Power Plug - 2.1mm | 03E2542 |
| 16 | Serial Cable - Shielded | 03E2648 |
| 17 | Dinrail End Stop | 03E2996 |
| 18 | Disconnect Terminal Block - 2 Cond. 5x20 Fuse | 03E3854 |
| 19 | Wire Tie Holder - Self-Adhesive | 03E3892 |
| 20 | Fuse Disconnect Terminal Block End Cover | 03E3895 |

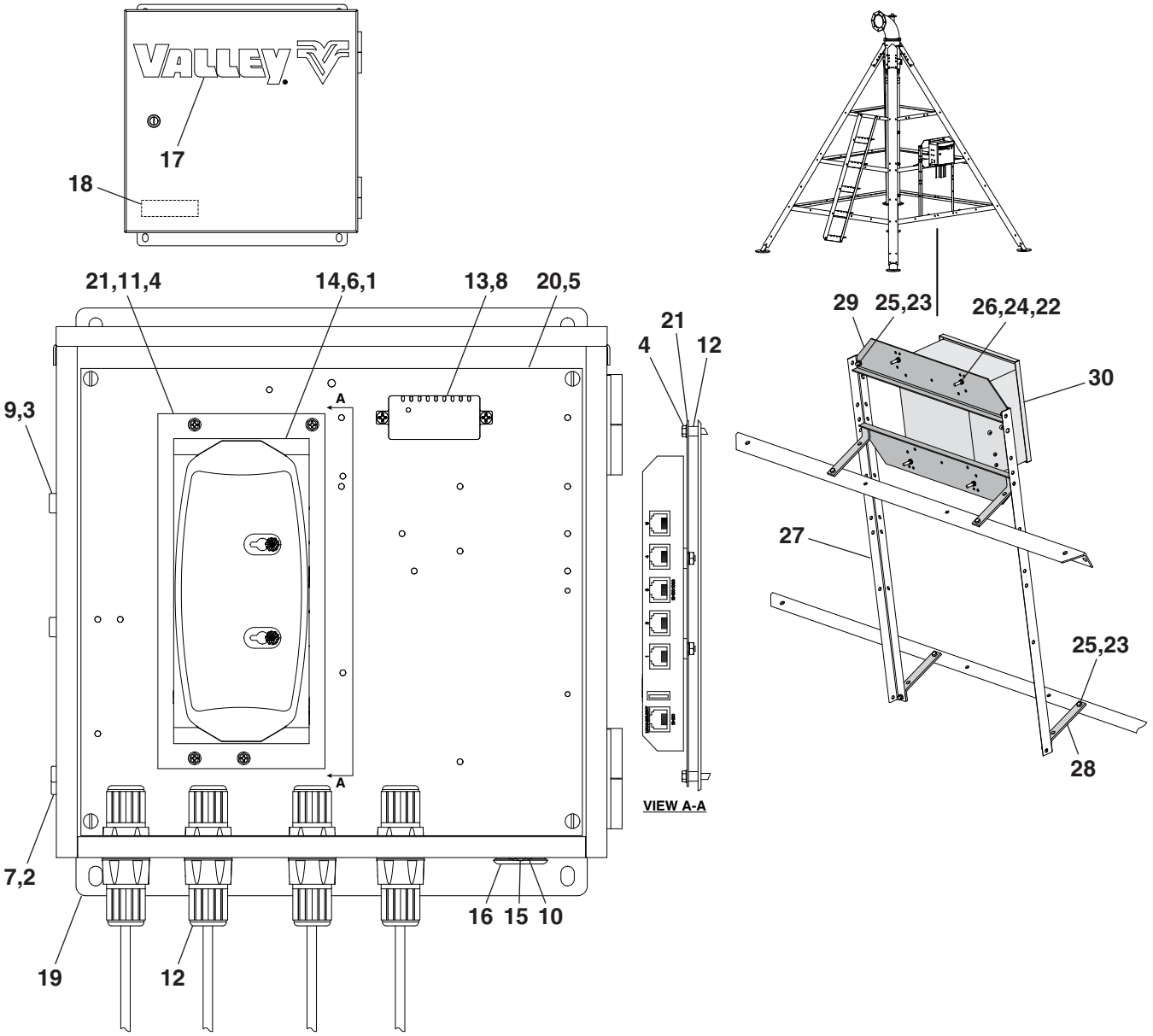
| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 21 | Fuse - 2 Amp 250V 5x20 | 03E3911 |
| 22 | Decal - 2.0 Amp Fast Acting Fuse | 03E3912 |
| 23 | Power Supply, Din Rail Mount - Class2 24VDC 2.5A | 03E3917 |
| 24 | Cable Gland - IP67 RJ45 Two-Way Type | 03E3935 |
| 25 | Ethernet Surge Protector | 03E3943 |
| 26 | Passive POE Power Supply Splitter - 3-48VDC | 03E3948 |
| 27 | Ethernet Cable - Cat5E 12.00" Long | 03E3950 |
| 28 | Ethernet Cable - Cat5E 36.00" Long | 03E4112 |
| 29 | Din Rail Mount Channel - 2.50" Long | 9311988 |
| 30 | Din Rail Mount Bracket | 9312413 |
| 31 | Mounting Plate | 9312723 |
| 32 | BaseStation Serial Server | 9312840 |

***BaseStation WiFi In-Panel Interface Hardware Kit.. KA02395**

**[1] NOTE: If Grounding Stud is present remove Nut before mounting and replace w/new 1/4" Lock Nut-0133008 & 1/4" Flat Washer-0142022.**

**[2] NOTE: If mounting stud is present use w/ #8 Washer (3) & #8 Hex Nut (2).**


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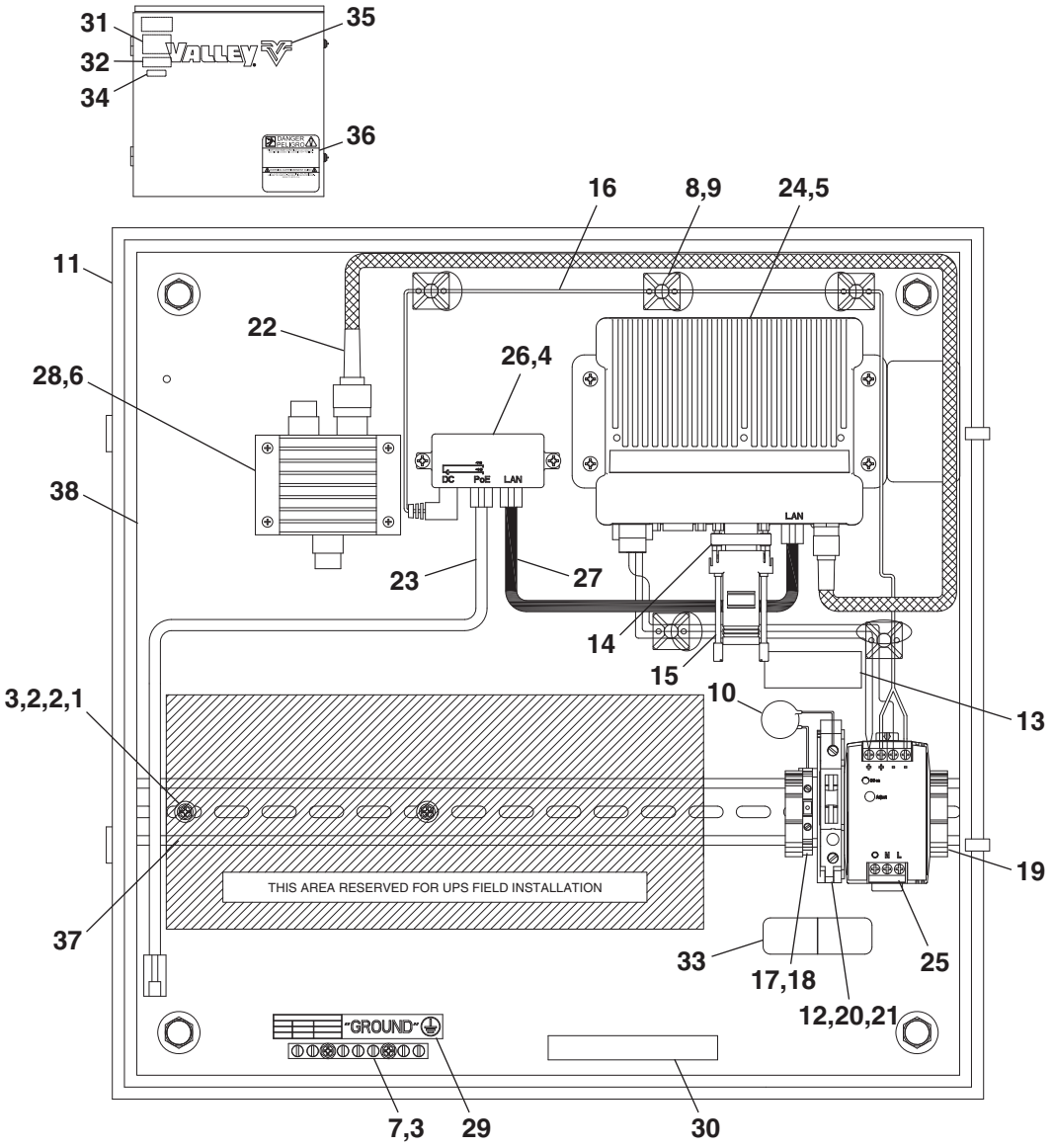



| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #6 Hex Nut w/ External Tooth Lock Washer | 0134058 |
| 2 | #8 Hex Nut w/ External Tooth Lock Washer | 0134059 |
| 3 | M6x1 Hex Nut w/ External Tooth Lock Washer | 0134064 |
| 4 | #8 x 7/8" Self Tapping Screw - Phillips Head | 0161356 |
| 5 | #10 x 1/2" Machine Screw - Pan Head | 0164143 |
| 6 | #6 x 1/2" Machine Screw - Phillips Pan Head | 0164188 |
| 7 | #8 x 5/16" Seal Screw - Phillips Pan Head | 0164223 |
| 8 | #6 x 1/4" Self-Tapping Screw - Phillips Head | 0164225 |
| 9 | M6x1 x 8mm Seal Screw - Phillips Pan Head | 0164253 |
| 10 | Snap Button Hole Plug - .50" Dia. Hole | 0314749 |
| 11 | #8 x 1/4" Spacer | 03E3678 |
| 12 | IP67 RJ45 Cable Gland - Two-Way | 03E3935 |
| 13 | Passive POE Power Supply Splitter - 3-48VDC | 03E3948 |
| 14 | POE Switch - 5 Port | 03E4046 |
| 15 | Snap Button Hole Plug - .088 Dia. Hole | 03E4092 |
| 16 | Hole Seal - .50" Conduit Hole | 03E4349 |
| 17 | Decal - Valley Logo | 0997431 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 18 | Decal - BaseStation WiFi Switch Enclosure | 0999686 |
| 19 | XTec Enclosure | 9312346 |
| 20 | XTec Enclusure Backplate | 9312347 |
| 21 | BaseStation WiFi Switch Mount. Bracket | 9312790 |
| 22 | 5/16" Hex Nut | 0131019 * |
| 23 | 3/8" Lock Nut | 0133006 * |
| 24 | 5/16" Lock Washer | 0141008 * |
| 25 | 3/8" x 1" Cap Screw | 0161045 * |
| 26 | 5/16" x 1-1/2" Cap Screw | 0161049 * |
| 27 | Vertical Bracket | 1780272 |
| 28 | Mounting Bracket | 1780273 |
| 29 | Bracket | 9310161 |
| 30 | BaseStation WiFi Switch Enclosure | 9312789 |

* BaseStation WiFi Switch Enclosure Hardware Kit . KA02412
(Remaining kit parts on previous page.)


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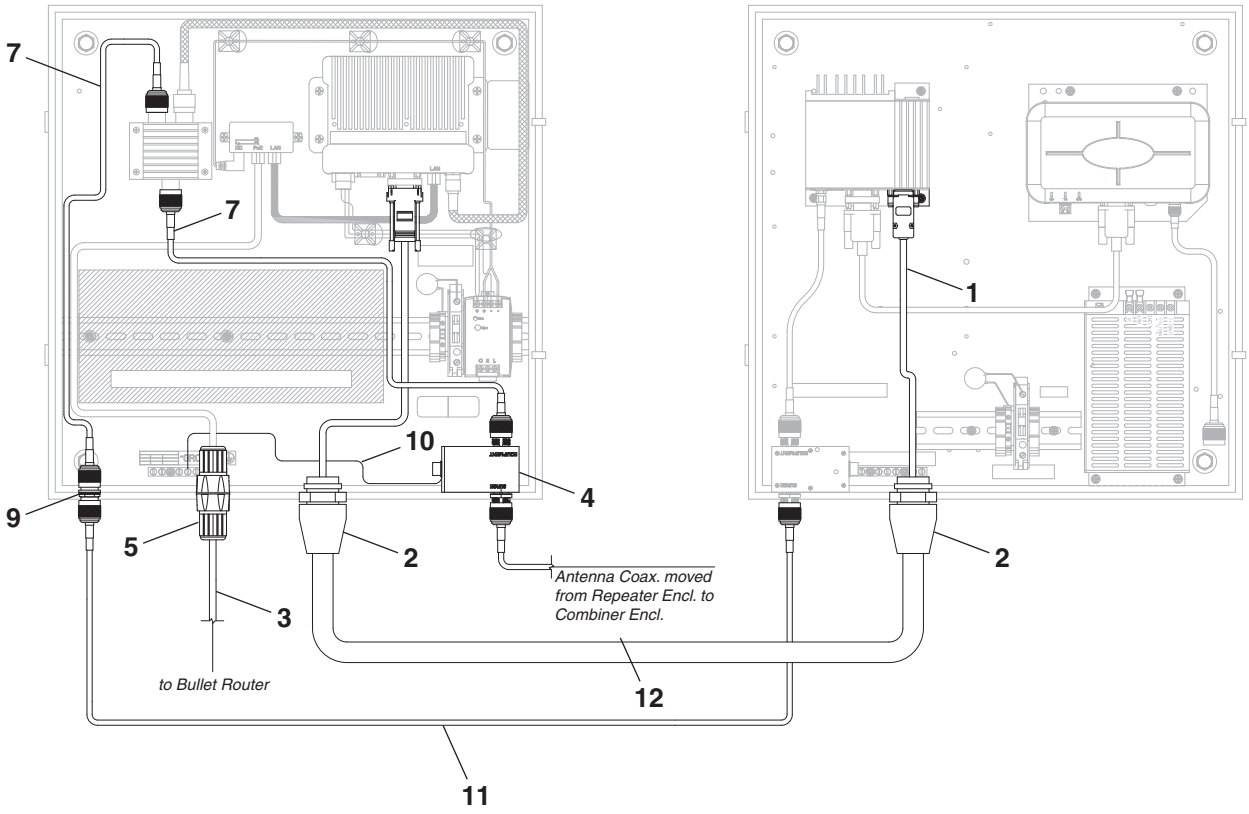

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 Hex Nut w/External Tooth Lock Washer | 0134059 |
| 2 | #8 Flat Washer - Stainless Steel | 0142084 |
| 3 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 4 | #6 x 1/4" Self-Tapping Screw - Phillips Head | 0164225 |
| 5 | #8 X 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 6 | #4 x 3/8" Self-Tapping Screw - Phillips Head | 0164259 |
| 7 | Ground Lug - 7 Terminal | 0315120 |
| 8 | Wire Tire Holder - Self-Adhesive (not shown) | 03E0046 |
| 9 | Cable Tie - Plastic 5.50 Long (not shown) | 03E1605 |
| 10 | Transient Voltage Suppressor - 250V | 03E1782 |
| 11 | 3R Enclosure | 03E2074 |
| 12 | Fuse - 1.0Amp 250V | 03E2081 |
| 13 | Decal - 1.0 Amp Fuse | 03E2082 |
| 14 | Null Modem Adapter - DB-9 | 03E2317 |
| 15 | Connector - DB9 Male to RJ45 Female | 03E2444 |
| 16 | Power Plug - 2.1mm | 03E2542 |
| 17 | Terminal Block - Dinrail Mount | 03E2994 |
| 18 | Terminal Block End Cover | 03E2995 |
| 19 | Dinrail End Stop | 03E2996 |
| 20 | Fuse Block - Dinrail Mount | 03E2997 |
| 21 | Fuse Block End Cover | 03E2998 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 22 | Antenna Jumper - Coax. N-Male to TNC Male 3' Long | 03E3064 |
| 23 | Ethernet Cable - CAT5E 24" Long | 03E3812 |
| 24 | Dataradio - VHF - Programmed | 03E3886 |
| | - UHF - Programmed | 03E3887 |
| 25 | Power Supply - Dinrail Class2 24VDC 2.5A | 03E3917 |
| 26 | Power Supply Splitter - Passive POE 3-48VDC | 03E3948 |
| 27 | Ethernet Cable - CAT5E 12" Long | 03E3950 |
| 28 | VHF/UHF Radio Combiner - 10W Coaxial | 03E4513 |
| 29 | Decal - Ground | 0992925 |
| 30 | Decal - Copper Wire Only | 0994836 |
| 31 | Decal - 3R Enclosure | 0996403 |
| 32 | Decal - UL Spec Nameplate | 0996505 |
| 33 | Decal - Torque Decal | 0996561 |
| 34 | Decal - Main Disconnect Switch | 0996562 |
| 35 | Decal - Valley Logo | 0997431 |
| 36 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 37 | Dinrail Mount Channel | 9310607 |
| 38 | Combiner Backpanel | 9313092 |
| | Radio Combiner LVL1 Remote Assm | 9313093 |


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**COMBINER ENCLOSURE**

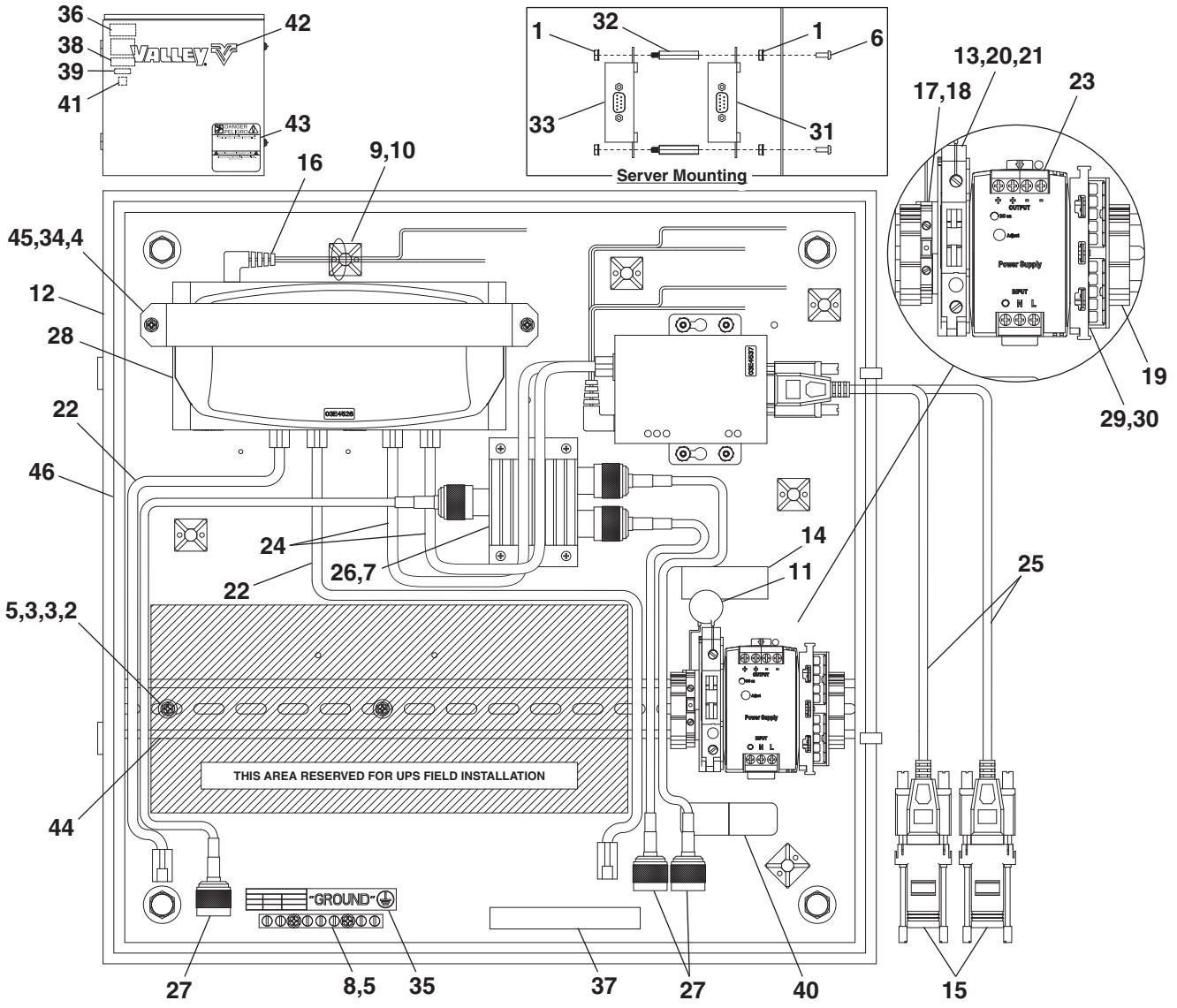
**REPEATER ENCLOSURE**




| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Dataradio Remote Cable Assembly - 16' | 03E2446* |
| 2 | 3/4" Non-Metallic Straight Fitting | 03E2455* |
| 3 | Ethernet Cable | 03E2833** |
| 4 | Surge Protector - Coaxial 750W | 03E3209* |
| 5 | Cable Gland - 2-Way IP67 RJ45 | 03E3935** |
| 6 | POE Adapter - 15V 12W (not shown) | 03E4129** |
| 7 | Antenna Jumper - N Male to N Male | 03E4525* |
| 8 | Silicone Tape - Self-Bonding (not shown) | 0996553* |
| 9 | Bulkhead - N-Female | 0997247* |
| 10 | Grounding Wire - 10ga. Green w/ Yellow 14.00" | 1814327* |
| 11 | 3/8" Coaxial Assembly - N Male to N Male 16' | 1814333* |
| 12 | Flex Conduit - Non-Metallic 3/4" x 10' | 1814341* |

* Remote Integra to Combiner Kit ..... KA02753
** Combiner WiFi Interface Kit ..... KA02754


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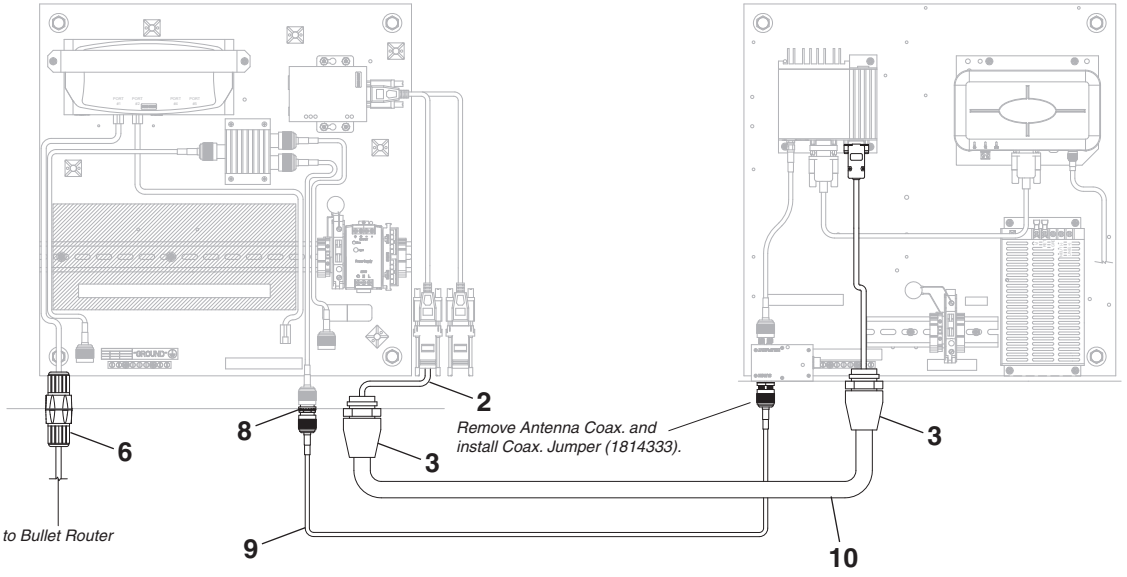

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #6 Hex Nut w/External Tooth Lock Washer | 0134058 |
| 2 | #8 Hex Nut w/External Tooth Lock Washer | 0134059 |
| 3 | #8 Flat Washer - Stainless Steel | 0142084 |
| 4 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 5 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 6 | #6 x 3/8" Machine Screw - Pan Phillips Head | 0164198 |
| 7 | #4 x 3/8" Self-Tapping Screw - Phillips Head | 0164259 |
| 8 | Ground Lug - 7 Terminal | 0315120 |
| 9 | Wire Tire Holder - Self-Adhesive (not shown) | 03E0046 |
| 10 | Cable Tie - Plastic 5.50 Long (not shown) | 03E1605 |
| 11 | Transient Voltage Suppressor - 250V | 03E1782 |
| 12 | 3R Enclosure | 03E2074 |
| 13 | Fuse - 1.0Amp 250V | 03E2081 |
| 14 | Decal - 1.0 Amp Fuse | 03E2082 |
| 15 | Connector - DB9 Female to RJ45 Female | 03E2541 |
| 16 | Power Plug - 2.1mm | 03E2542 |
| 17 | Terminal Block - Dinrail Mount | 03E2994 |
| 18 | Terminal Block End Cover | 03E2995 |
| 19 | Dinrail End Stop | 03E2996 |
| 20 | Fuse Block - Dinrail Mount | 03E2997 |
| 21 | Fuse Block End Cover | 03E2998 |
| 22 | Ethernet Cable - CAT5E 24" Long | 03E3812 |
| 23 | Power Supply - Dinrail Class2 24VDC 2.5A | 03E3917 |
| 24 | Ethernet Cable - CAT5E 12" Long | 03E3950 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 25 | Cable - DB9 Male to DB9 Female - 13" Long | 03E4122 |
| 26 | VHF/UHF Radio Combiner - 10W Coaxial | 03E4513 |
| 27 | Antenna Jumper - N Male to N Male | 03E4525 |
| 28 | POE Switch - 5 Port Programmed | 03E4526 |
| 29 | Mounting Carrier - 221 Compact Connectors | 03E4528 |
| 30 | Compact Connector - 5Cond w/Levers | 03E4529 |
| 31 | Server - Programmed Ethernet to RS232 | 03E4530 |
| 32 | Hex Standoff - M/F #6 Thread 1.25" Long | 03E4534 |
| 33 | Server - Programmed Ethernet to RS232 | 03E4537 |
| 34 | Bumpon - 3M | 0980502 |
| 35 | Decal - Ground | 0992925 |
| 36 | Decal - "CE" European Communities | 0994639 |
| 37 | Decal - Copper Wire Only | 0994836 |
| 38 | Decal - 3R Enclosure | 0996403 |
| 39 | Decal - UL Spec Nameplate | 0996505 |
| 40 | Decal - Torque Decal | 0996561 |
| 41 | Decal - Main Disconnect Switch | 0996562 |
| 42 | Decal - Valley Logo | 0997431 |
| 43 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 44 | Dinrail Mount Channel | 9310607 |
| 45 | Toughswitch - 5 Port POE Mount | 9313078 |
| 46 | Combiner Backpanel | 9313092 |
| | Radio Combiner LVL2 Remote Assm | 9313100 |


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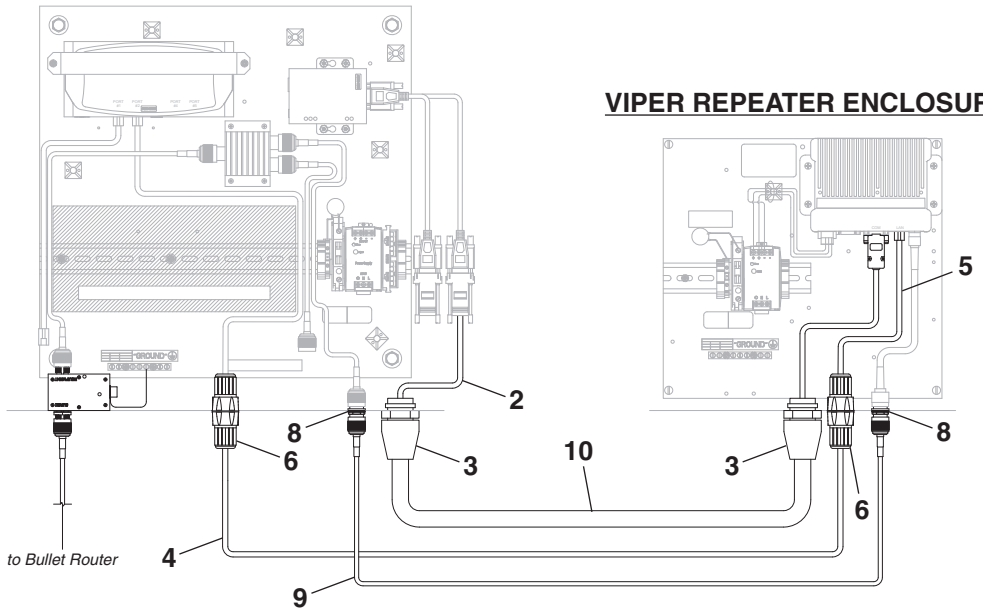
**COMBINER ENCLOSURE**

**EXISTING INTEGRA ENCLOSURE**




**COMBINER ENCLOSURE**

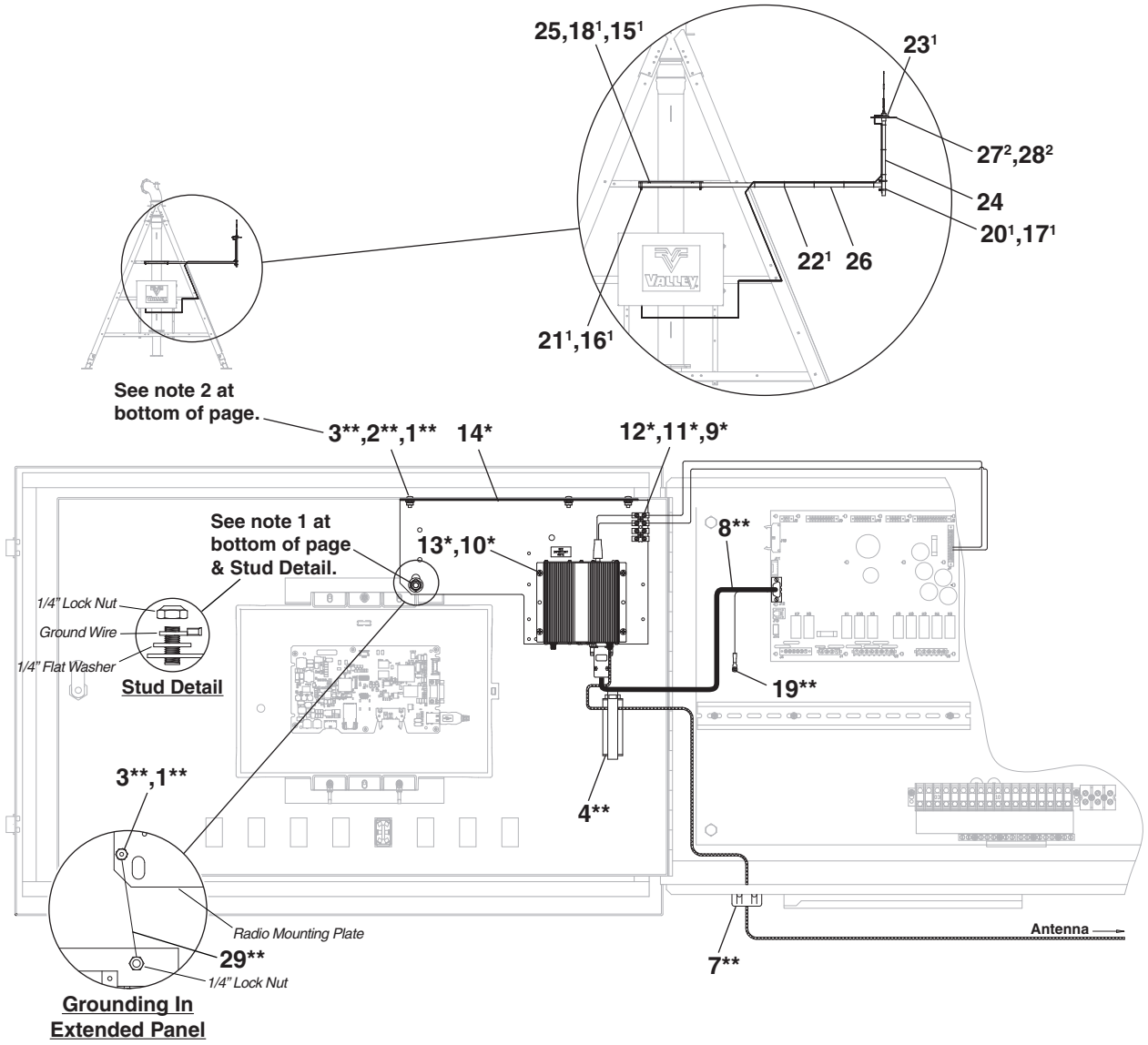
**VIPER REPEATER ENCLOSURE**




| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Cable Tie - Plastic 5.50 Long (not shown) | 03E1605 |
| 2 | Dataradio Remote Cable Assm. - 16' | 03E2446 |
| 3 | 3/4" Straight Fitting - Non-Metallic | 03E2455 |
| 4 | Ethernet Cable - 14' | 03E3173 |
| 5 | Ethernet Cable - CAT5E 24" Long | 03E3812 |
| 6 | Cable Gland - 2-Way Type - IP67 RJ45 | 03E3935 |
| 7 | Silicone Tape - Self-Bonding (not shown) | 0996553 |
| 8 | Bulkhead - N-Female | 0997247 |
| 9 | 3/8" Coxial Cable Assm. - 16' N-Male to N-Male | 1814333 |
| 10 | Flex Conduit - Non-Metallic 3/4" x 10' | 1814341 |

**Combiner LVL2 Radio Interconnect ..... KA02757**


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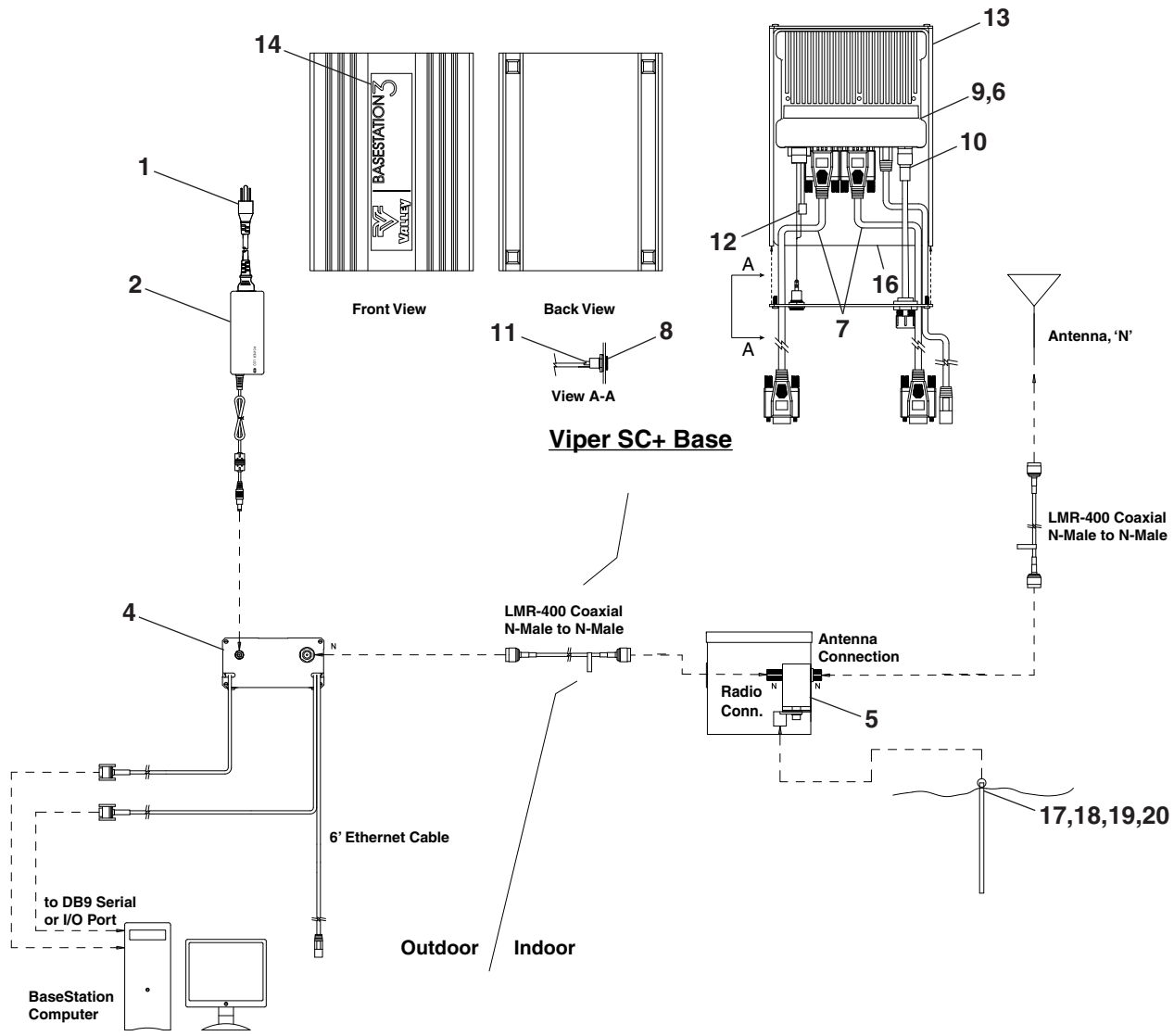

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 Hex Nut w/External Tooth Lock Washer | 0134059 |
| 2 | #8 Flat Washer - Stainless Steel | 0142084 |
| 3 | #8 x 3/8"-32 Machine Screw - Pan Head | 0164110 |
| 4 | Flat Cable Clamp | 0315840 |
| 5 | Wire Tire Holder - Self-Adhesive (not shown) | 03E0046 |
| 6 | Cable Tie - Plastic 5.50 Long (not shown) | 03E1605 |
| 7 | Cord Connector - 1/2" Hub | 03E2132 |
| 8 | Serial Cable - DB9 Female to DB9 Male - 3' Long | 03E4017 |
| 9 | #6 Hex Nut w/External Tooth Lock Washer | 0134058 |
| 10 | #8-32 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 11 | #6 x 5/8"-32 Machine Screw - Phillips Pan Head | 0164252 |
| 12 | 4 Position Terminal Strip | 03E0047 |
| 13 | BaseStation 4G LTE Cellular Modem | 9313097 |
| 14 | Radio Mounting Plate for Inner Door | 9312723 |
| 15 | 1/2" Lock Nut | 0133005 |
| 16 | 3/8" Lock Nut | 0133006 |
| 17 | 5/16" Flat Washer - Wide | 0142017 |
| 18 | 1/2" x 1-1/4" Cap Screw | 0161027 |
| 19 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 20 | 5/16" x 1.38" x 2.19" U-Bolt | 0176064 |
| 21 | 3/8" x 1.38" x 2.13" U-Bolt | 0176070 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 22 | Cable Tie - 11" Long | 0314834 |
| 23 | Cellular Antenna Magnetic Mount - 18' | 03E3826 |
| 24 | 3/4" NPT x 24" Nipple - Galvanized | 0211133 |
| 25 | Horizontal Antena Mounting Bracket | 1703727 |
| 26 | Antenna Mount Arm Assm. | 1704195 |
| 27 | Snap Bushing | 0192078 |
| 28 | Magnetic Mount Antenna Base Assm. | 1704197 |
| 29 | Ground Wire | 1815105 |

* BaseStation Cellular Modem for ICON ..... 9312748**
** BaseStation Cellular Modem Kit for ICON ..... KA02241
Horizontal Antenna Mount Hardware Pkg. ..... 0000H39
(includes Items 24, 25 & 26)
[1] Cellular Antenna Mount Hardware Kit for ICON ..... KA02236
[2] Magnetic Base Antenna Mount Kit ..... KA09979

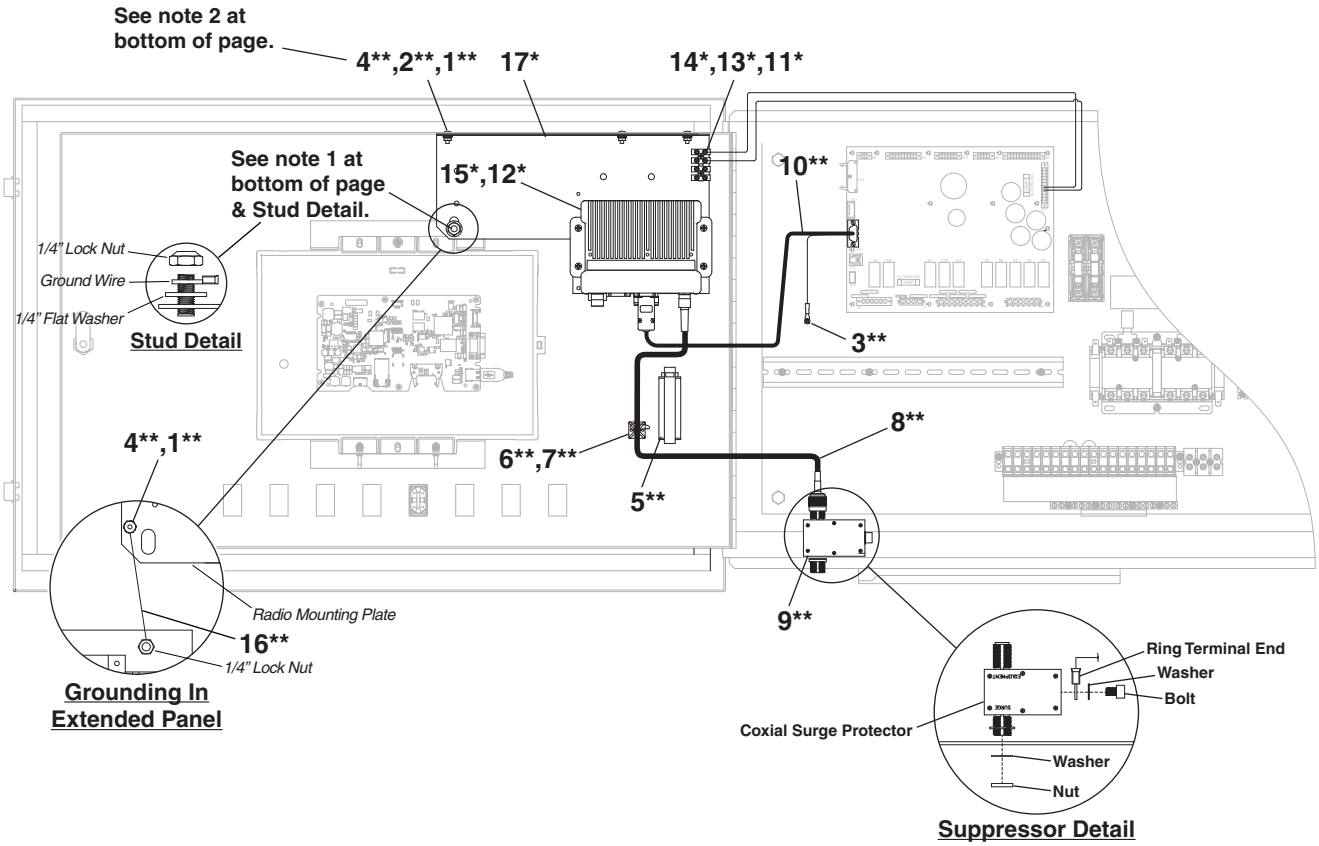
[1] NOTE: If Grounding Stud is present remove Nut before mounting and replace w/new 1/4" Lock Nut-0133008 & 1/4" Flat Washer-0142022.
[2] NOTE: If mounting stud is present use w/ #8 Washer (2) & #8 Hex Nut (1).


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| ITEM | DESCRIPTION | PART # | ITEM | DESCRIPTION | PART # |
|---|---|---|---|---|---|
| 1 | AC Power Cord - 3 Prong | 03E3913* | 13 | Base Enclosure - Aluminum | 03E3962** |
| 2 | AC Power Supply | 03E3914* | 14 | Decal - BS3 Base | 0999832** |
| 3 | Ethernet Adapter Dongle (not shown) | 03E4131* | 15 | Cable Tie - 5.5" Long Plastic (not shown) | 03E1605** |
| 4 | Viper SC+ 136-174 MHz Base Assm. - VHF | 9312725 | 16 | Dataradio Floor Plate | 9312719** |
| | Viper SC+ 406.1-470 MHz Base Assm. - UHF | 9312726 | 17 | Ground Rod - 5/8" x 10' | 0314910 |
| 5 | Antenna Surge Suppressor Enclosure | 9311116 | 18 | Ground Rod Clamp | 0314911 |
| 6 | #6 x 1/4" Machine Screw - Phillips Pan Head - S.S. | 0164188** | 19 | Keeper - Sealtite | 1700157 |
| 7 | DB9 Male to DB9 Female Extension - 6' | 03E2445** | 20 | Ground Wire | 1701950 |
| 8 | DC Power Jack | 03E2450** | 21 | Self-Bonding Silicone Tape (not shown) | 0996553 |
| 9 | Viper SC+ Dataradio 136-174 MHz - Programmed | 03E3886** | 22 | Sealing Pad - Comformable (not shown) | 0996980 |
| | Viper SC+ Dataradio 406.1-470 MHz - Programmed | 03E3887** | | | |
| 10 | TNC Male to N Female Bulkhead | 03E3906** | | * Viper SC+ Power Base Kit | KA02234 |
| 11 | 3/16" Heatshrink Tubing - Black | 03E1177** | | ** NOTE: Items inclded in Viper SC+ Base Assm. | |
| 12 | Scotchlok Connector - 22-16 AWG | 03E3910** | | | |


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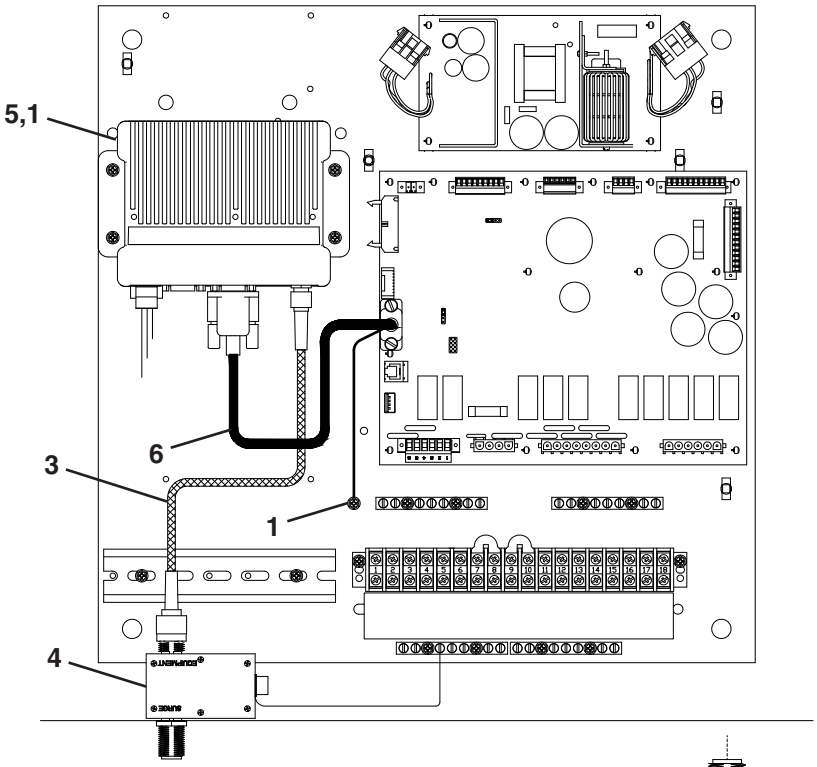


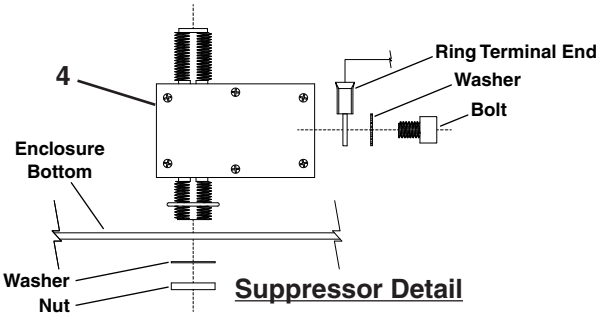

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 Hex Nut w/External Tooth Lock Washer | 0134059 |
| 2 | #8 Flat Washer - Stainless Steel | 0142084 |
| 3 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 4 | #8 x 3/8"-32 Machine Screw - Pan Head | 0164110 |
| 5 | Flat Cable Clamp | 0315840 |
| 6 | Wire Tire Holder - Self-Adhesive | 03E0046 |
| 7 | Cable Tie - Plastic 5.50 Long | 03E1605 |
| 8 | Antenna Jumper - N Male to TNC Male - LMR 240 | 03E3064 |
| 9 | Coaxial Surge Protector - 750W | 03E3209 |
| 10 | Serial Cable - DB9 Female to DB9 Male - 3' Long | 03E4017 |
| 11 | #6 Hex Nut w/External Tooth Lock Washer | 0134058 |
| 12 | #8-32 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 13 | #6 x 5/8"-32 Machine Screw - Phillips Pan Head | 0164252 |
| 14 | 4 Position Terminal Strip | 03E0047 |
| 15 | Dataradio - Viper SC+ VHF 136-174 MHz - Programmed | 03E3886 |
| | Dataradio - Viper SC+ UHF 406.1-470 MHz - Programmed | 03E3887 |
| 16 | Ground Wire | 1815105 |
| 17 | Radio Mounting Plate for Inner Door | 9312723 |
| * | Panel Mount Viper SC+ VHF ICON | 9312743 |
| * | Panel Mount Viper SC+ UHF ICON | 9312745 |
| ** | Viper RTU Install for ICON Kit | KA02237 |

[1] NOTE: If Grounding Stud is present remove Nut before mounting and replace w/new 1/4" Lock Nut-0133008 & 1/4" Flat Washer-0142022.

[2] NOTE: If mounting stud is present use w/ #8 Washer (2) & #8 Hex Nut (1).

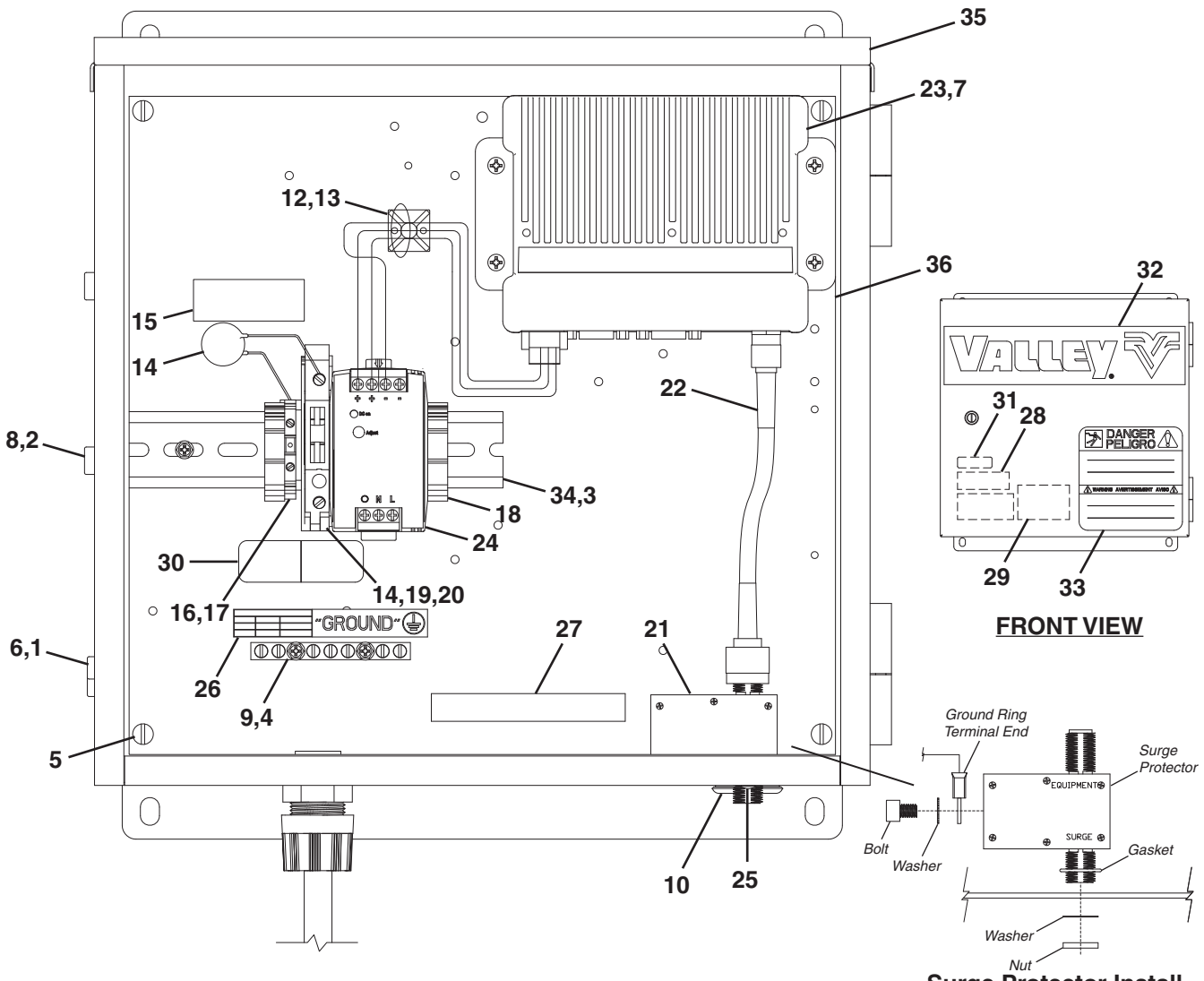

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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 2 | Cable Tie - 5.50" Long Plastic (not shown) | 03E1605 |
| 3 | Antenna Jumper - LMR240 N-Male to TNC-Male | 03E3064 |
| 4 | Surge Protector - Coaxial 750W | 03E3209 |
| 5 | Dataradio - Viper SC+ 136-174 MHz - VHF - Programmed | 03E3886 |
| | - Viper SC+ 406.1-470 MHz - UHF - Programmed | 03E3887 |
| 6 | Serial Cable - DB9M to DB9F 3' Long | 03E4017 |
| 7 | Self-Bonding Silicone Tape (not shown) | 0996553 |
| | ICONX SC+ VHF Kit | KA02416 |
| | ICONX SC+ UHF Kit | KA02418 |


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**FRONT VIEW**

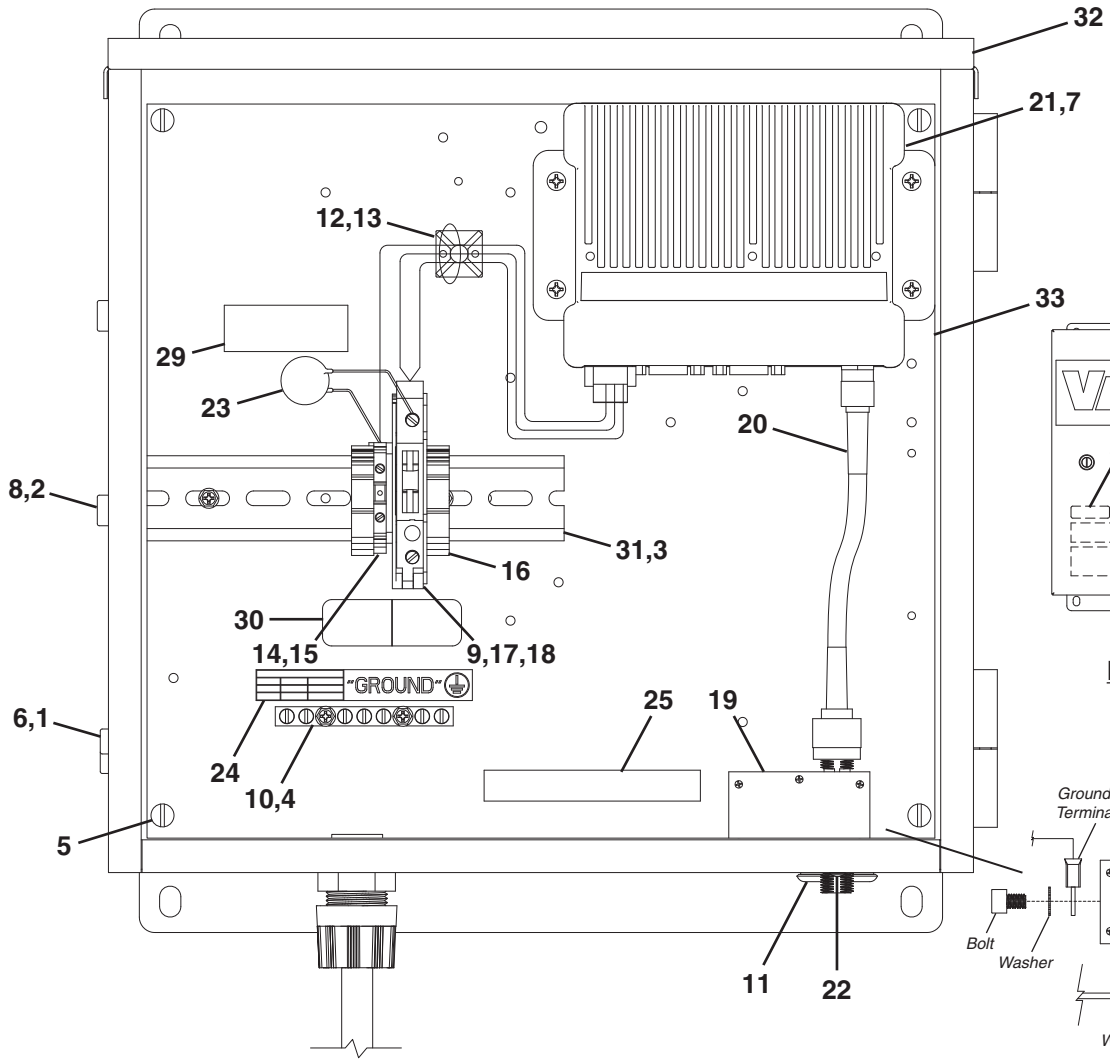



**Surge Protector Install**

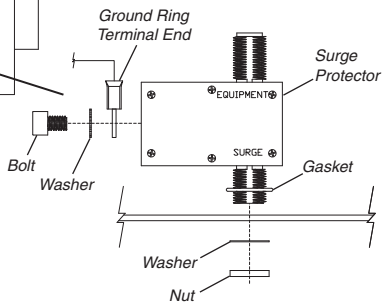
| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 Hex Nut w/ External Tooth Lock Washer | 0134059 |
| 2 | M6 x 1" Hex Nut w/ External Tooth Lock Washer | 0134064 |
| 3 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 4 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 5 | #10 x 1/2" Machine Screw - Pan Head | 0164143 |
| 6 | #8 x 3/4" Seal Screw - Pan Phillips Head - S.S. | 0164224 |
| 7 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 8 | M6 x 1" x 8mm Seal Screw - Phillips Head - S.S. | 0164253 |
| 9 | Ground Lug - 7 Terminal | 0315120 |
| 10 | Hole Seal - 0.50" Conduit Hole | 03E4349 |
| 11 | Wire Tie Holder - Self-Adhesive | 03E0046 |
| 12 | Cable Tie - 5.50" Long | 03E1605 |
| 13 | Transient Voltage Suppressor - 250V | 03E1782 |
| 14 | Fuse - 1.0 Amp 250V | 03E2081 |
| 15 | Decal - 1.0 Amp Fuse | 03E2082 |
| 16 | Terminal Block - Din Rail Mount | 03E2994 |
| 17 | Terminal Block End Cover | 03E2995 |
| 18 | End Stop - Din Rail | 03E2996 |
| 19 | Fuse Block - Din Rail Mount | 03E2997 |
| 20 | Fuse Block End Cover | 03E2998 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 21 | Surge Protector - Coaxial 750W | 03E3209 |
| 22 | Antenna Jumper - N-Male to SP-TNC Male | 03E3539 |
| 23 | Viper SC+ Dataradio-136-174 MHz VHF - Programmed | 03E3886 |
| | Viper SC+ Dataradio-406.1-470 MHz UHF - Programmed | 03E3887 |
| 24 | Power Supply - 24VDC 2.5A - Din Rail Mount | 03E3917 |
| 25 | Snap Button Hole Plug - .088 Dia. Hole | 03E4092 |
| 26 | Decal - Ground | 0992925 |
| 27 | Decal - Copper Wire Only | 0994836 |
| 28 | Decal - 3R Enclosure | 0996403 |
| 29 | Decal - UL Spec Namplate | 0996505 |
| 30 | Decal - Torque - Neutral/120VAC | 0996561 |
| 31 | Decal - Main Disconnect Switch | 0996562 |
| 32 | Decal - Valley Logo | 0997431 |
| 33 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 34 | Din Rail Mount Channel - 6.75" Long | 9310700 |
| 35 | XTEC Enclosure | 9312346 |
| 36 | XTEC Enclosure Backplate | 9312347 |
| | Single Viper VHF Repeater - OBSOLETED Apr 17 | 9312820 |
| | Single Viper UHF Repeater - OBSOLETED Apr 17 | 9312822 |


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**FRONT VIEW**

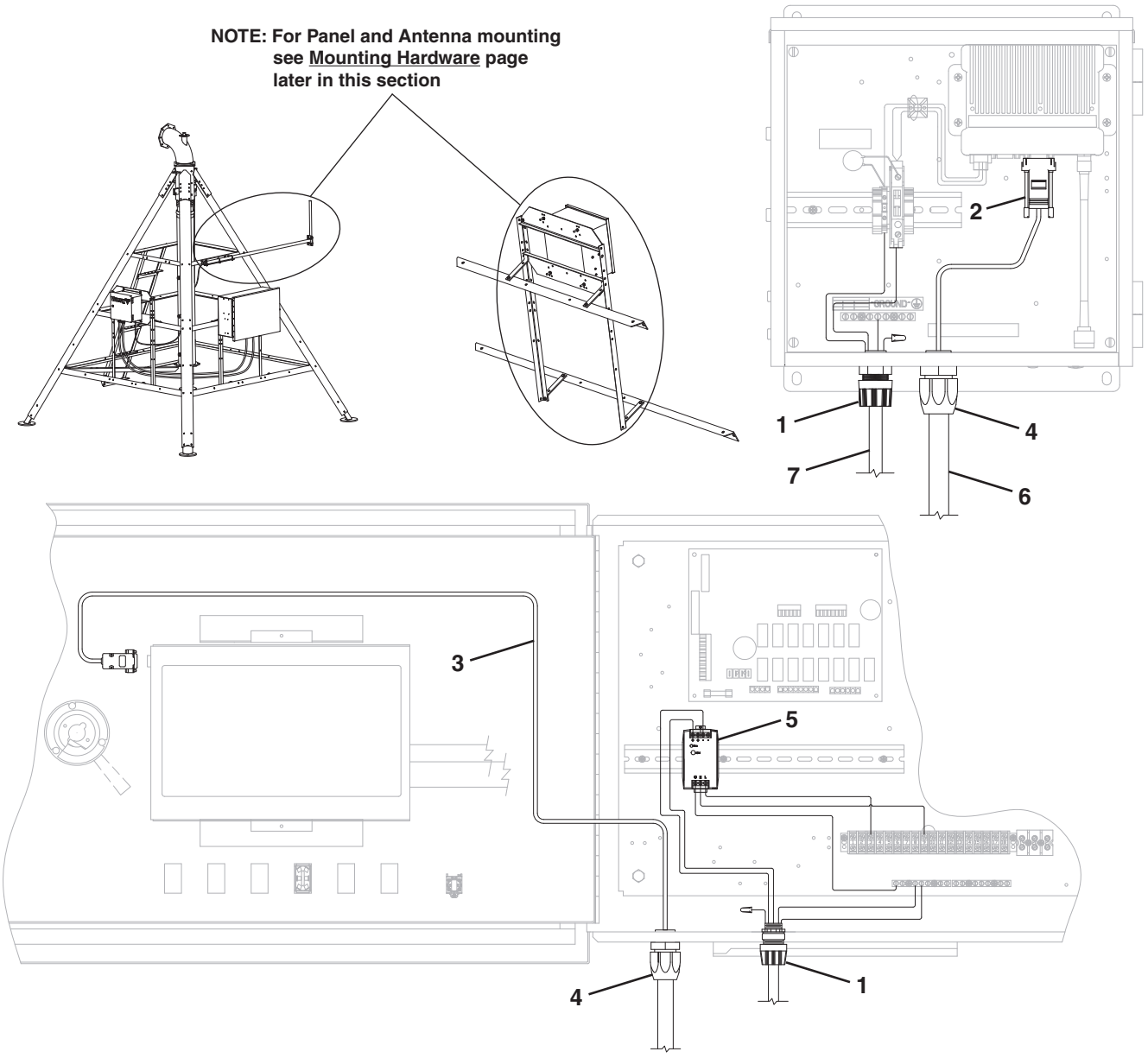



**Surge Protector Install**

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 Hex Nut w/ External Tooth Lock Washer | 0134059 |
| 2 | M6 x 1" Hex Nut w/ External Tooth Lock Washer | 0134064 |
| 3 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 4 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 5 | #10 x 1/2" Machine Screw - Pan Head | 0164143 |
| 6 | #8 x 3/4" Seal Screw - Pan Phillips Head - S.S. | 0164224 |
| 7 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 8 | M6 x 1" x 8mm Seal Screw - Phillips Head - S.S. | 0164253 |
| 9 | Safety Fuse - 5 Amp | 0314859 |
| 10 | Ground Lug - 7 Terminal | 0315120 |
| 11 | Hole Seal - 0.50" Conduit Hole | 03E4349 |
| 12 | Wire Tie Holder - Self-Adhesive | 03E0046 |
| 13 | Cable Tie - 5.50" Long | 03E1605 |
| 14 | Terminal Block - Din Rail Mount | 03E2994 |
| 15 | Terminal Block End Cover | 03E2995 |
| 16 | End Stop - Din Rail | 03E2996 |
| 17 | Fuse Block - Din Rail Mount | 03E2997 |
| 18 | Fuse Block End Cover | 03E2998 |
| 19 | Surge Protector - Coaxial 750W | 03E3209 |

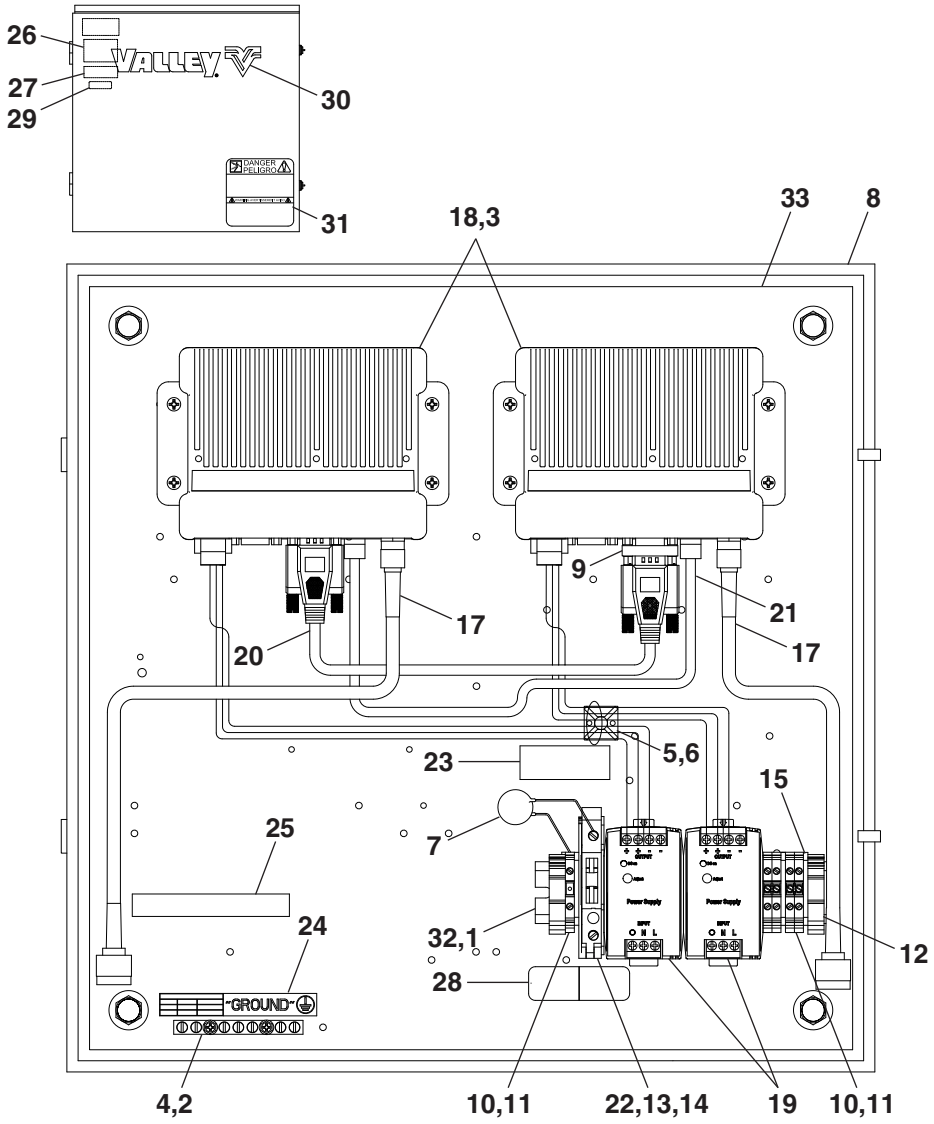
| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 20 | Antenna Jumper - N-Male to SP-TNC Male | 03E3539 |
| 21 | Viper SC+ Dataradio-136-174 MHz VHF - Programmed | 03E3886 |
| | Viper SC+ Dataradio-406.1-470 MHz UHF - Programmed | 03E3887 |
| 22 | Snap Button Hole Plug - .088 Dia. Hole | 03E4092 |
| 23 | Transient Voltage Suppressor - 39V | 03E4113 |
| 24 | Decal - Ground | 0992925 |
| 25 | Decal - Copper Wire Only | 0994836 |
| 26 | Decal - 3R Enclosure | 0996403 |
| 27 | Decal - Main Disconnect Switch | 0996562 |
| 28 | Decal - Valley Logo | 0997431 |
| 29 | Decal - 5.0 Amp Fuse | 0997635 |
| 30 | Decal - 0 VDC/12-28 VDC Torque | 0999937 |
| 31 | Din Rail Mount Channel - 6.75" Long | 9310700 |
| 32 | XTEC Enclosure | 9312346 |
| 33 | XTEC Enclosure Backplate | 9312347 |
| | Single Viper VHF - Ext. RTU - OBSOLETED Apr 17 | 9312821 |
| | Single Viper UHF - Ext. RTU - OBSOLETED Apr 17 | 9312823 |


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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Strain Relief Hub - .50 Hub | 0314119 |
| 2 | DB9 Male to RJ45 Female Connector | 03E2444 |
| 3 | Dataradio Remote Cable Assembly - 16' Long | 03E2446 |
| 4 | 3/4" Straight Fitting - Non-Metallic | 03E2455 |
| 5 | Power Supply - 24VDC 2.5A - Din Rail | 03E3917 |
| 6 | Flex Conduit - 3/4" x 10' Long - Non-Metallic | 1814341 |
| 7 | Electrical Cable - 4 Cond. 14 Ga. - 15' Long | 1815029 |

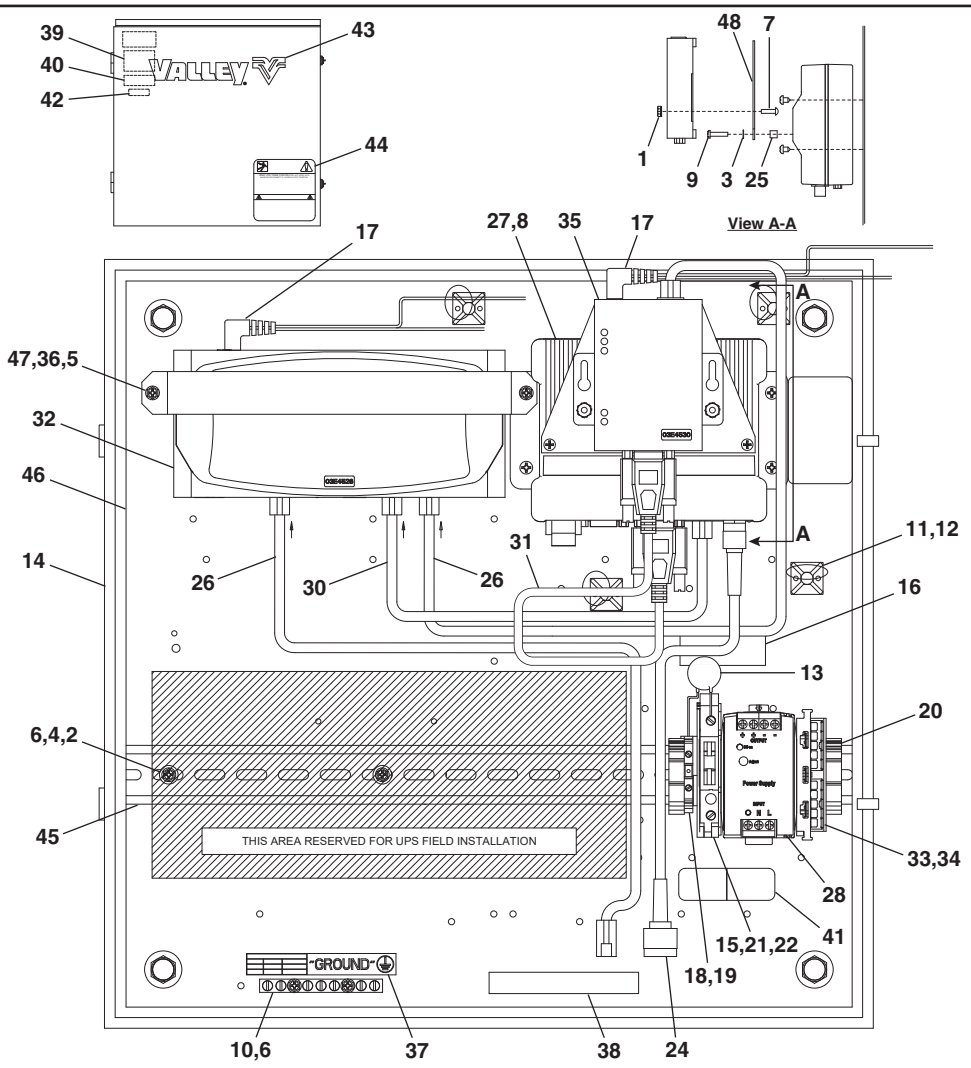

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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 2 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 3 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 4 | Ground Lug - 7-Terminal | 0315120 |
| 5 | Wire Tie Holder - Self-Adhesive | 03E0046 |
| 6 | Cable Tie - 5.5" Long Plastic | 03E1605 |
| 7 | Transient Voltage Suppressor - 250V | 03E1782 |
| 8 | 3R Enclosure | 03E2074 |
| 9 | Null Modem Adapter - DB-9 | 03E2317 |
| 10 | Terminal Block - Din Rail Mount | 03E2994 |
| 11 | Terminal Block End Cover | 03E2995 |
| 12 | Din Rail End Stop | 03E2996 |
| 13 | Fuse Block - Din Rail Mount | 03E2997 |
| 14 | Fuse Block End Cover | 03E2998 |
| 15 | Terminal Jumper - 2-Pole | 03E3000 |
| 16 | Surge Protector - 750W Coaxial (not shown) | 03E3209 |
| 17 | Antenna Jumper - N Male to SP-TNC Male | 03E3539 |
| 18 | Viper SC+ Dataradio-136-174 MHz VHF - Programmed | 03E3886 |
| | Viper SC+ Dataradio-406.1-470 MHz UHF - Programmed | 03E3887 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 19 | Din Rail Power Supply - Class2 24VDC 2.5A | 03E3917 |
| 20 | Extension Cable - DB9 Male to DB9 Male - 2.5' Lg. | 03E3947 |
| 21 | Ethernet Cable, CAT5E - 12" Long | 03E3950 |
| 22 | Fuse - 3 Amp 250V SLO BLO | 03E3960 |
| 23 | Decal - 3 Amp SLO BLO Fuse | 03E3961 |
| 24 | Decal - Ground | 0992925 |
| 25 | Decal - Copper Wire Only 60° C | 0994836 |
| 26 | Decal - 3R Enclosure | 0996403 |
| 27 | Decal - UL Spec. Nameplate 120V/5A | 0996505 |
| 28 | Decal - Neutral/120VAC Torque Decal | 0996561 |
| 29 | Decal - Main Disconnect Switch | 0996562 |
| 30 | Decal - Valley Logo | 0997431 |
| 31 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 32 | Dinrail Mount Channel - 6.75" Long | 9310700 |
| 33 | Backpanel - Telemetry | 9312493 |
| | Viper VHF Dual Frequency Repeater | 9312709 |
| | Viper UHF Dual Frequency Repeater | 9312710 |

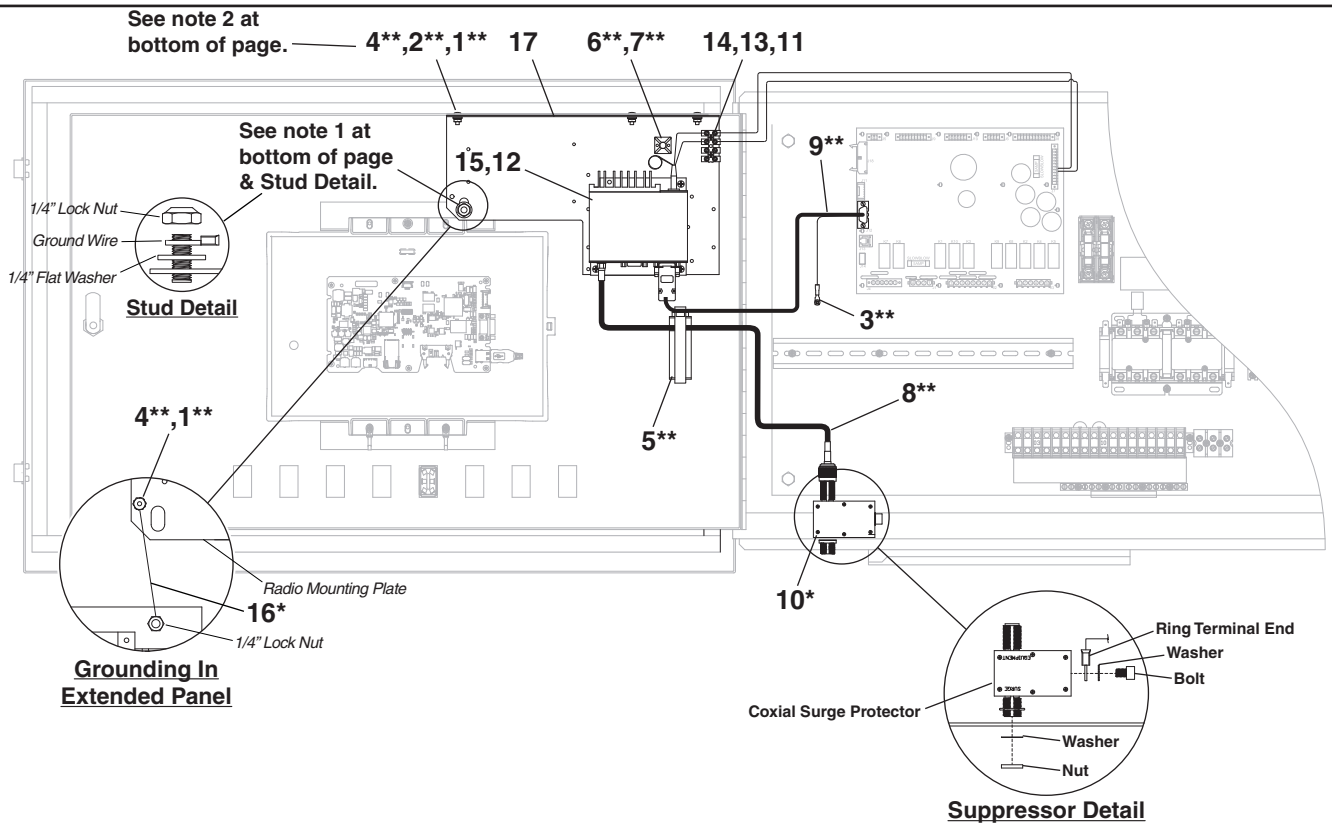

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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #6 Hex Nut w/External Tooth Lock Washer | 0134058 |
| 2 | #8 Hex Nut w/External Tooth Lock Washer | 0134059 |
| 3 | #6 Lock Washer w/Internal Tooth | 0142073 |
| 4 | #8 Flat Washer - Stainless Steel | 0142084 |
| 5 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 6 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 7 | #6 x 1/2" Machine Screw - Round Head | 0164065 |
| 8 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 9 | #6 x 5/8" Machine Screw - Phillips Pan Head | 0164252 |
| 10 | Ground Lug - 7-Terminal | 0315120 |
| 11 | Wire Tie Holder - Self-Adhesive | 03E0046 |
| 12 | Cable Tie - 5.5" Long Plastic | 03E1605 |
| 13 | Transient Voltage Suppressor - 250V | 03E1782 |
| 14 | 3R Enclosure | 03E2074 |
| 15 | Fuse - 1.0 Amp 250V | 03E2081 |
| 16 | Decal - 1.0 Amp Fuse | 03E2082 |
| 17 | Power Plug - 2.1mm | 03E2542 |
| 18 | Terminal Block - Din Rail Mount | 03E2994 |
| 19 | Terminal Block End Cover | 03E2995 |
| 20 | Din Rail End Stop | 03E2996 |
| 21 | Fuse Block - Din Rail Mount | 03E2997 |
| 22 | Fuse Block End Cover | 03E2998 |
| 23 | Surge Protector - 750W Coaxial (not shown) | 03E3209 |
| 24 | Antenna Jumper - N Male to SP-TNC Male | 03E3539 |
| 25 | #8 x 1/4" Spacer | 03E3678 |
| 26 | Ethernet Cable - CAT5E 24" Long | 03E3812 |
| 27 | Viper SC+ Dataradio-136-174 MHz VHF - Programmed | 03E3886 |
| | Viper SC+ Dataradio-406.1-470 MHz UHF - Programmed | 03E3887 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 28 | Din Rail Power Supply - Class2 24VDC 2.5A | 03E3917 |
| 29 | Cable Gland - Two-Way Type IP67 RJ45 (not shown) | 03E3935 |
| 30 | Ethernet Cable, CAT5E - 12" Long | 03E3950 |
| 31 | Cable - Female 13" DB9 Male to DB9 | 03E4122 |
| 32 | POE Switch, Programmed - 5 Port | 03E4526 |
| 33 | 221 Compact Connectors - Mounting Carrier | 03E4528 |
| 34 | Compact Connector - 5 Cond. w/Levers | 03E4529 |
| 35 | Server, Programmed - Ethernet to RS232 | 03E4530 |
| 36 | Bumpon - SJ5744 | 0980502 |
| 37 | Decal - Ground | 0992925 |
| 38 | Decal - Copper Wire Only 60° C | 0994836 |
| 39 | Decal - 3R Enclosure | 0996403 |
| 40 | Decal - UL Spec. Nameplate 120V/5A | 0996505 |
| 41 | Decal - Neutral/120VAC Torque Decal | 0996561 |
| 42 | Decal - Main Disconnect Switch | 0996562 |
| 43 | Decal - Valley Logo | 0997431 |
| 44 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 45 | Dinrail Mount Channel - 17.00" Long | 9310607 |
| 46 | Backpanel - Telemetry | 9312493 |
| 47 | Toughswitch - 5 Port POE Mount | 9313078 |
| 48 | DS1 Mount - Perle Iolan | 9313080 |
| | Viper VHF Wi-Fi Link | 9313081 |
| | Viper UHF Wi-Fi Link | 9313082 |
| | Wi-Fi Link UPS Install Kit | KA02750 |
| | Wi-Fi Link Bullet Set Kit | KA02751 |


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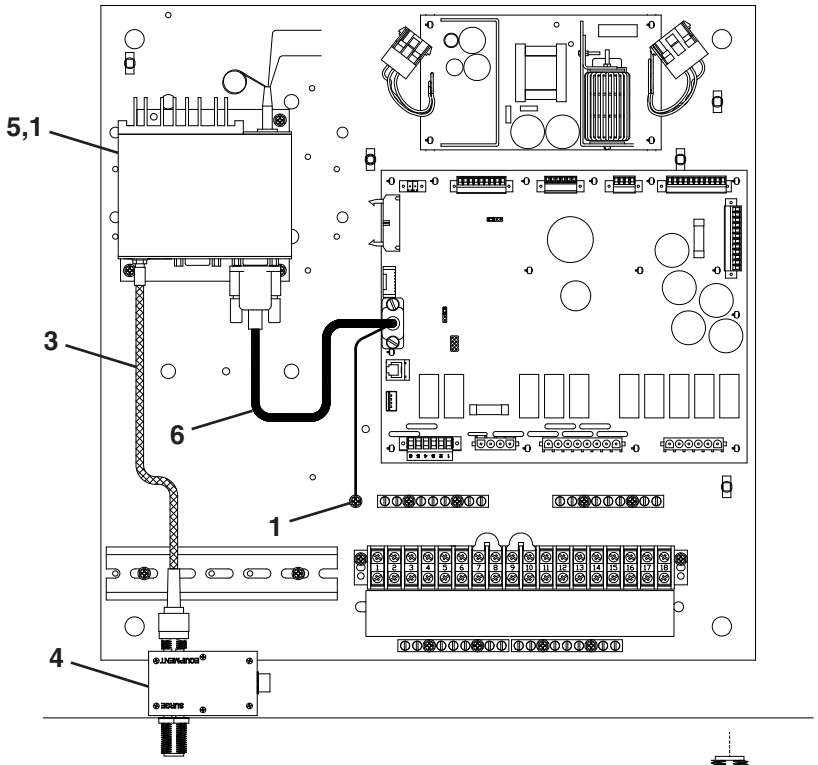


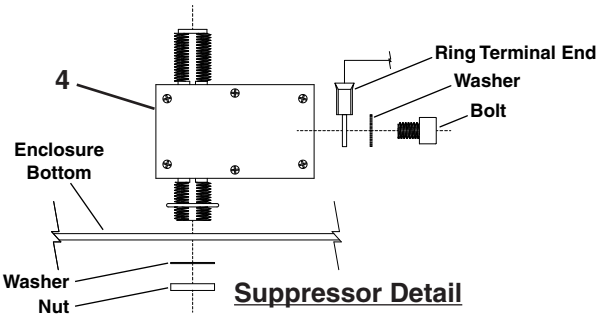

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 Hex Nut w/External Tooth Lock Washer | 0134059 |
| 2 | #8 Flat Washer - Stainless Steel | 0142084 |
| 3 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 4 | #8 x 3/8"-32 Machine Screw - Pan Head | 0164110 |
| 5 | Flat Cable Clamp | 0315840 |
| 6 | Wire Tire Holder - Self-Adhesive | 03E0046 |
| 7 | Cable Tie - Plastic 5.50 Long | 03E1605 |
| 8 | Antenna Jumper - N Male to SMA | 03E2434 |
| 9 | Serial Cable - DB9 Female to DB9 Male - 30" Long | 03E4017 |
| 10 | Coaxial Surge Protector - 750W | 03E3209 |
| 11 | #6 Hex Nut w/External Tooth Lock Washer | 0134058 |
| 12 | #8-32 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 13 | #6 x 5/8"-32 Machine Screw - Phillips Pan Head | 0164252 |
| 14 | 4 Position Terminal Strip | 03E0047 |
| 15 | Dataradio - VHF 6.25/12.5 KHz 138-174 MHz | 03E3241 |
| | Dataradio - UHF 6.25/12.5 KHz 406-440 MHz | 03E3243 |
| | Dataradio - UHF 6.25/12.5 KHz 440-476 MHz | 03E3242 |
| 16 | Ground Wire | 1815105 |
| 17 | Radio Mounting Plate for Inner Door | 9312723 |
| | Panel Mount Integra VHF ICON | 9312741 |
| | Panel Mount Integra UHF ICON | 9312819 |
| | Panel Mount Integra UHF ICON | 9312742 |
| * | Panel Mount Integra for ICON Kit | KA02238 |
| ** | Integra Mount Hardware Kit | KA09744* |

[1] NOTE: If Grounding Stud is present remove Nut before mounting and replace w/new 1/4" Lock Nut-0133008 & 1/4" Lock Washer-0142022.

[2] NOTE: If mounting stud is present use w/ #8 Washer (2) & #8 Hex Nut (1).


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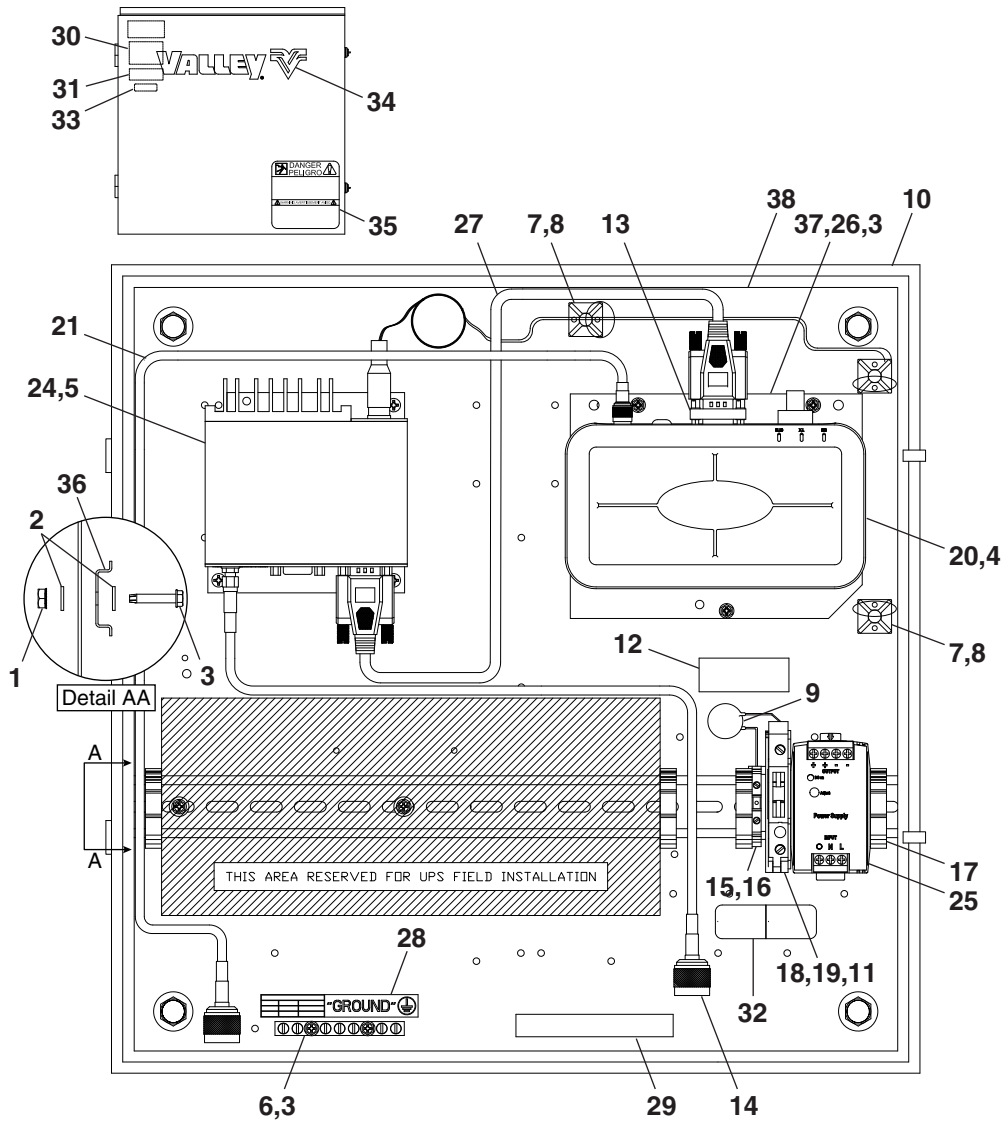



**Suppressor Detail**

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 2 | Cable Tie - 5.50" Long Plastic (not shown) | 03E1605 |
| 3 | Antenna Jumper - N Male to SMA | 03E2434 |
| 4 | Surge Protector - Coaxial 750W | 03E3209 |
| 5 | Dataradio - VHF 6.25 / 12.5 KHz 138-174 MHz | 03E3241 |
| | - UHF 6.25 / 12.5 KHz 440-476 MHz | 03E3242 |
| 6 | Serial Cable - DB9M to DB9F 3' Long | 03E4017 |
| 7 | Self-Bonding Silicone Tape (not shown) | 0996553 |
| | ICONX Integra VHF Kit | KA02414 |
| | ICONX Integra UHF Kit | KA02415 |

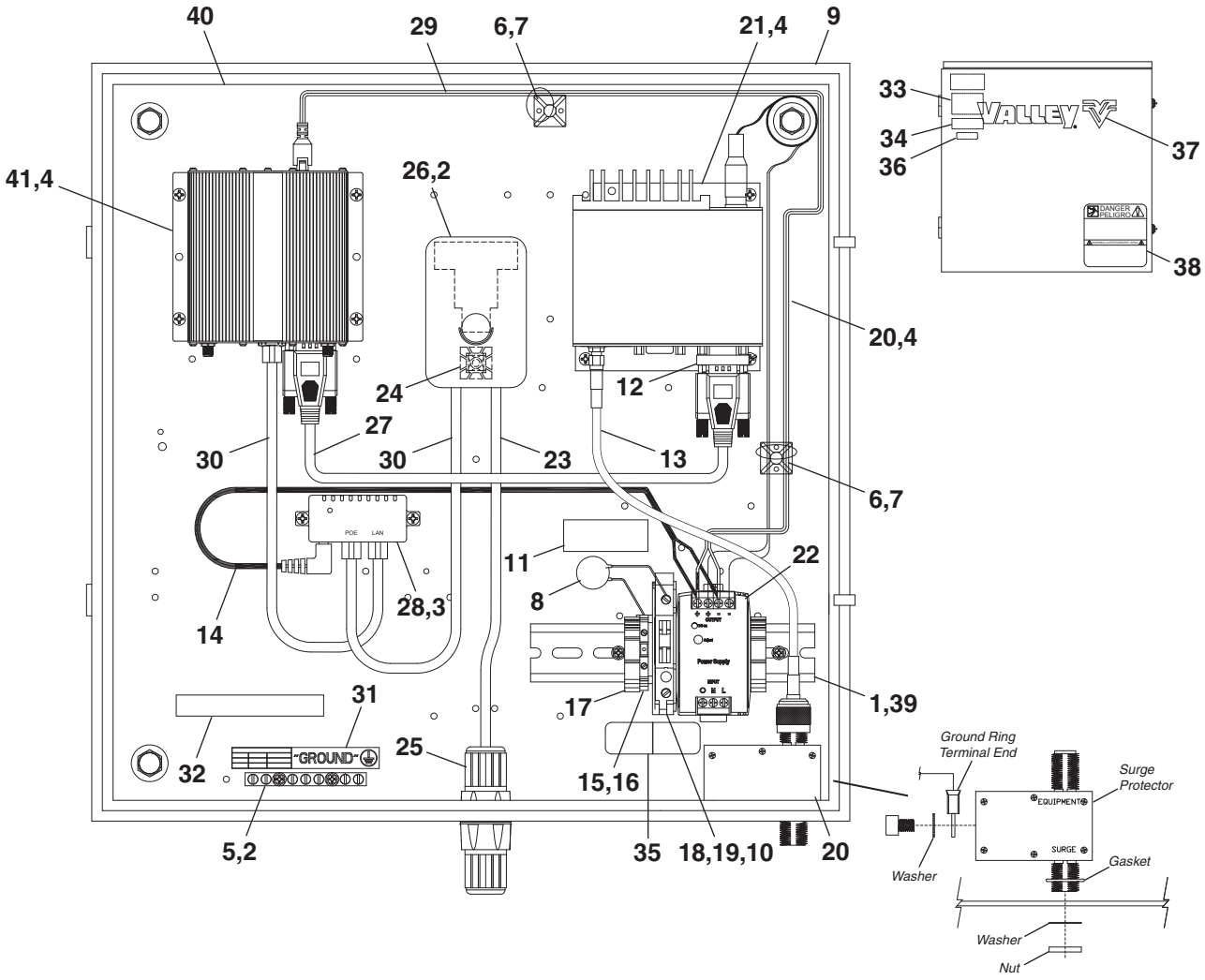

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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 Hex Nut w/ External Tooth Lock Washer | 0134059 |
| 2 | #8 Flat Washer - Stainless Steel | 0142084 |
| 3 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 4 | #6 x 1/4" Machine Screw - Pan Phillips Head S.S. | 0164188 |
| 5 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 6 | Ground Lug - 7-Terminal | 0315120 |
| 7 | Wire Tie Holder - Self-Adhesive | 03E0046 |
| 8 | Cable Tie - 5.5" Long Plastic | 03E1605 |
| 9 | Transient Voltage Suppressor - 250V | 03E1782 |
| 10 | 3R Enclosure | 03E2074 |
| 11 | Fuse - 1.0 Amp 250V | 03E2081 |
| 12 | Decal - 1.0 Amp Fuse | 03E2082 |
| 13 | Null Modem Adapter - DB-9 | 03E2317 |
| 14 | Antenna Jumper - N-Male to SMA | 03E2434 |
| 15 | Terminal Block - Din Rail Mount | 03E2994 |
| 16 | Terminal Block End Cover | 03E2995 |
| 17 | Din Rail End Stop | 03E2996 |
| 18 | Fuse Block - Din Rail Mount | 03E2997 |
| 19 | Fuse Block End Cover | 03E2998 |
| 20 | Freewave SSR - RS232 TNC-F | 03E3061 |
| 21 | Antenna Jumper - Coaxial N-Male to TNC Male - 3' Lg. | 03E3064 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 22 | Surge Protector - 230V Coaxial (not shown) | 03E3194 |
| 23 | Surge Protector - 750W Coaxial (not shown) | 03E3209 |
| 24 | Dataradio - 6.25/12.5 KHz 440-476 MHz - UHF | 03E3242 |
| 25 | Power Supply - 12VDC 54 Watt Class2 | 03E3468 |
| 26 | #8 x 1/4" Spacer | 03E3678 |
| 27 | Extension Cable - DB9 Male to DB9 Male - 2.5' Lg. | 03E3947 |
| 28 | Decal - Ground | 0992925 |
| 29 | Decal - Copper Wire Only 60° C | 0994836 |
| 30 | Decal - 3R Enclosure | 0996403 |
| 31 | Decal - UL Spec. Nameplate 120V/5A | 0996505 |
| 32 | Decal - Neutral/120VAC Torque Decal | 0996561 |
| 33 | Decal - Main Disconnect Switch | 0996562 |
| 34 | Decal - Valley Logo | 0997431 |
| 35 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 36 | Dinrail Mount Channel - 17.00" Long | 9310607 |
| 37 | SSR Mounting Plate | 9311895 |
| 38 | Backpanel - Telemetry | 9312493 |
| | Integra UHF to SSR Repeater w/ UPS | 9312713 |
| | Integra VHF to SSR Repeater w/ UPS | 9312707 |

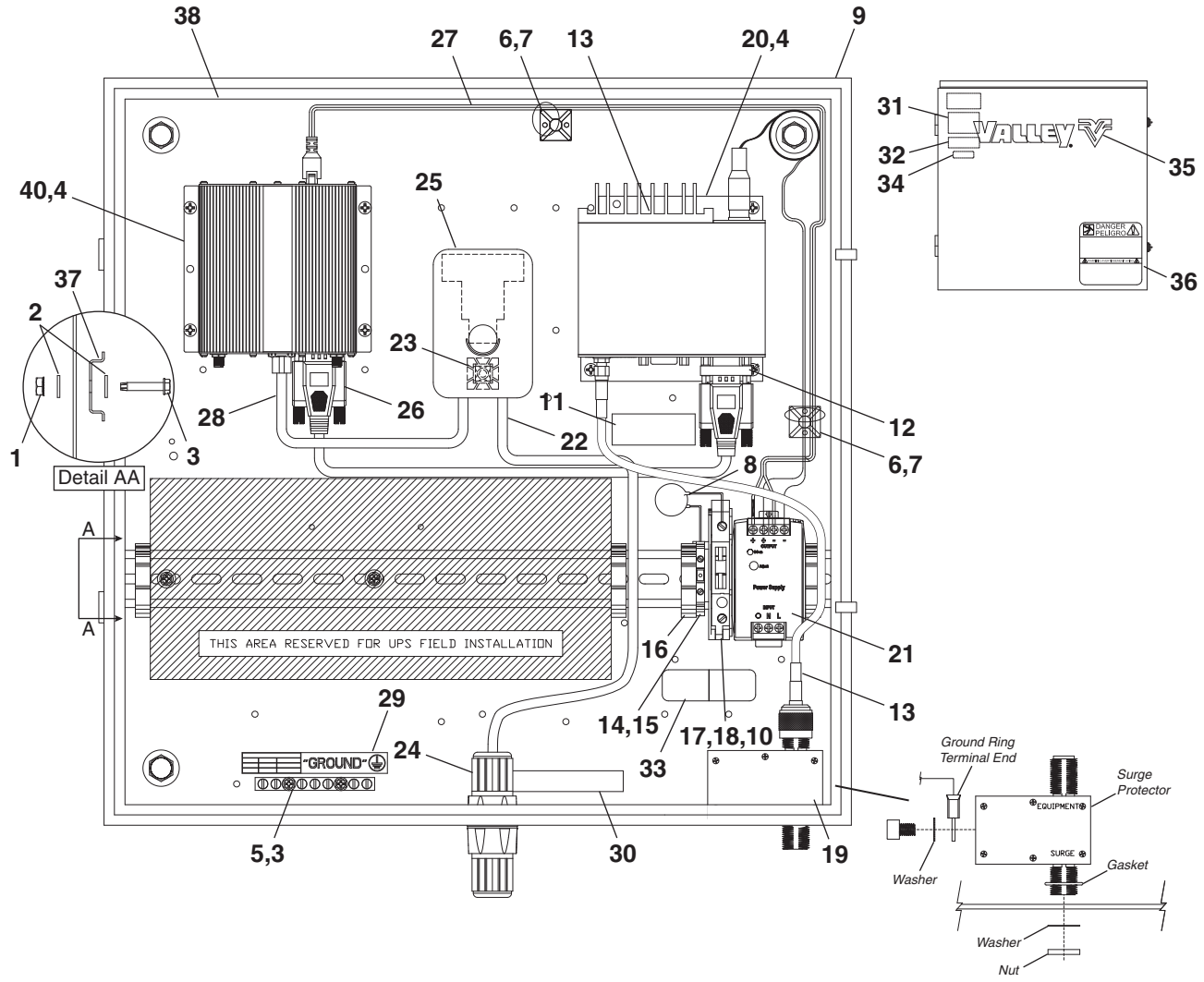

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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 2 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 3 | #6 x 1/4" Self-Tapping Screw - Phillips Head | 0164225 |
| 4 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 5 | Ground Lug - 7-Terminal | 0315120 |
| 6 | Wire Tie Holder - Self-Adhesive | 03E0046 |
| 7 | Cable Tie - 5.5" Long Plastic | 03E1605 |
| 8 | Transient Voltage Suppressor - 250V | 03E1782 |
| 9 | 3R Enclosure | 03E2074 |
| 10 | Fuse - 1.0 Amp 250V | 03E2081 |
| 11 | Decal - 1.0 Amp Fuse | 03E2082 |
| 12 | Null Modem Adapter - DB-9 | 03E2317 |
| 13 | Antenna Jumper - N-Male to SMA | 03E2434 |
| 14 | Power Plug - 2.1mm | 03E2542 |
| 15 | Terminal Block - Din Rail Mount | 03E2994 |
| 16 | Terminal Block End Cover | 03E2995 |
| 17 | Din Rail End Stop | 03E2996 |
| 18 | Fuse Block - Din Rail Mount | 03E2997 |
| 19 | Fuse Block End Cover | 03E2998 |
| 20 | Surge Protector - 750W Coaxial | 03E3209 |
| 21 | Dataradio - 6.25/12.5 KHz 138-174 MHz - VHF | 03E3241 |
| | Dataradio - 6.25/12.5 KHz 440-476 MHz - UHF | 03E3242 |
| 22 | Power Supply - Class2 12VDC 54 Watt | 03E3468 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 23 | Cat5E Ethernet Cable - 24.00" Long | 03E3812 |
| 24 | Wire Tie Holder - Self-Adhesive | 03E3892 |
| 25 | Cable Gland - IP67 RJ45 Two Way Type | 03E3935 |
| 26 | Ethernet Surge Protector | 03E3943 |
| 27 | Extension Cable - DB9 Male to DB9 Male - 2.5' Lg. | 03E3947 |
| 28 | Power Supply Splitter - Passive POE 3-48VDC | 03E3948 |
| 29 | Power Supply Cable - 30.00" Long | 03E3949 |
| 30 | Cat5E Ethernet Cable - 12.00" Long | 03E3950 |
| 31 | Decal - Ground | 0992925 |
| 32 | Decal - Copper Wire Only 60° C | 0994836 |
| 33 | Decal - 3R Enclosure | 0996403 |
| 34 | Decal - UL Spec. Nameplate 120V/5A | 0996505 |
| 35 | Decal - Neutral/120VAC Torque Decal | 0996561 |
| 36 | Decal - Main Disconnect Switch | 0996562 |
| 37 | Decal - Valley Logo | 0997431 |
| 38 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 39 | Dinrail Mount Channel - 6.75" Long | 9310700 |
| 40 | Backpanel - Telemetry | 9312493 |
| 41 | Basestation Serial Server | 9312840 |
| | IP2 Integra VHF to Repeater | 9312515 |
| | IP2 Integra UHF to Repeater | 9312698 |

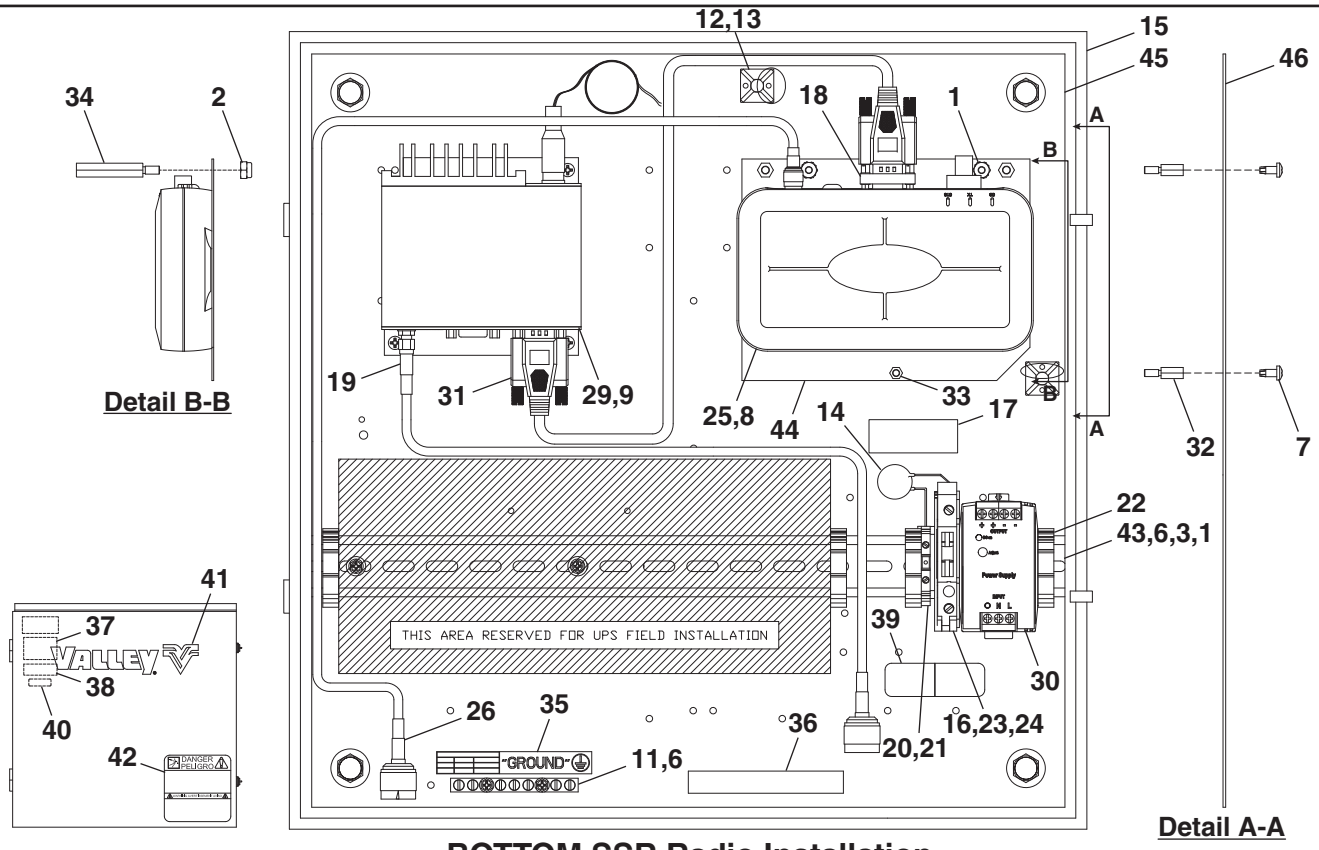

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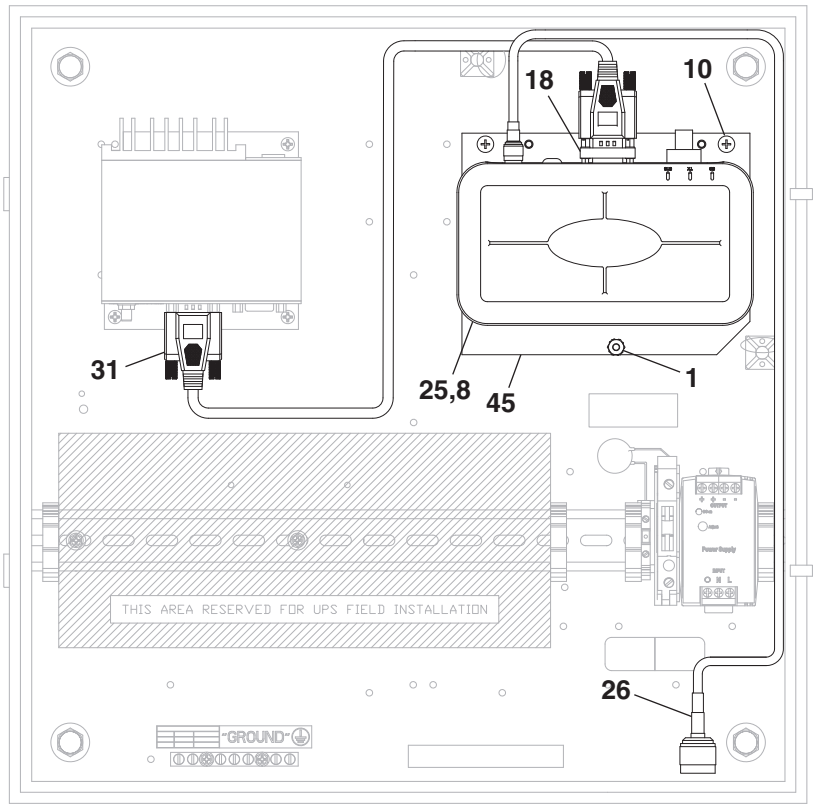

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 Hex Nut w/ External Tooth Lock Washer | 0134059 |
| 2 | #8 Flat Washer - Stainless Steel | 0142084 |
| 3 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 4 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 5 | Ground Lug - 7-Terminal | 0315120 |
| 6 | Wire Tie Holder - Self-Adhesive | 03E0046 |
| 7 | Cable Tie - 5.5" Long Plastic | 03E1605 |
| 8 | Transient Voltage Suppressor - 250V | 03E1782 |
| 9 | 3R Enclosure | 03E2074 |
| 10 | Fuse - 1.0 Amp 250V | 03E2081 |
| 11 | Decal - 1.0 Amp Fuse | 03E2082 |
| 12 | Null Modem Adapter - DB-9 | 03E2317 |
| 13 | Antenna Jumper - N-Male to SMA | 03E2434 |
| 14 | Terminal Block - Din Rail Mount | 03E2994 |
| 15 | Terminal Block End Cover | 03E2995 |
| 16 | Din Rail End Stop | 03E2996 |
| 17 | Fuse Block - Din Rail Mount | 03E2997 |
| 18 | Fuse Block End Cover | 03E2998 |
| 19 | Surge Protector - 750W Coaxial | 03E3209 |
| 20 | Dataradio - 6.25/12.5 KHz 138-174 MHz - VHF | 03E3241 |
| | Dataradio - 6.25/12.5 KHz 440-476 MHz - UHF | 03E3242 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 21 | Power Supply - 12VDC 54 Watt Class2 | 03E3468 |
| 22 | Cat5E Ethernet Cable - 24.00" Long | 03E3812 |
| 23 | Wire Tie Holder - Self-Adhesive | 03E3892 |
| 24 | Cable Gland - IP67 RJ45 Two Way Type | 03E3935 |
| 25 | Ethernet Surge Protector | 03E3943 |
| 26 | Extension Cable - DB9 Male to DB9 Male - 2.5' Lg. | 03E3947 |
| 27 | Power Supply Cable - 30.00" Long | 03E3949 |
| 28 | Cat5E Ethernet Cable - 12.00" Long | 03E3950 |
| 29 | Decal - Ground | 0992925 |
| 30 | Decal - Copper Wire Only 60° C | 0994836 |
| 31 | Decal - 3R Enclosure | 0996403 |
| 32 | Decal - UL Spec. Nameplate 120V/5A | 0996505 |
| 33 | Decal - Neutral/120VAC Torque Decal | 0996561 |
| 34 | Decal - Main Disconnect Switch | 0996562 |
| 35 | Decal - Valley Logo | 0997431 |
| 36 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 37 | Dinrail Mount Channel - 17.00" Long | 9310607 |
| 38 | Backpanel - Telemetry | 9312493 |
| | IP2 Integra VHF to Repeater w/ UPS | 9312704 |
| | IP2 Integra UHF to Repeater w/ UPS | 9312706 |


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## BOTTOM SSR Radio Installation

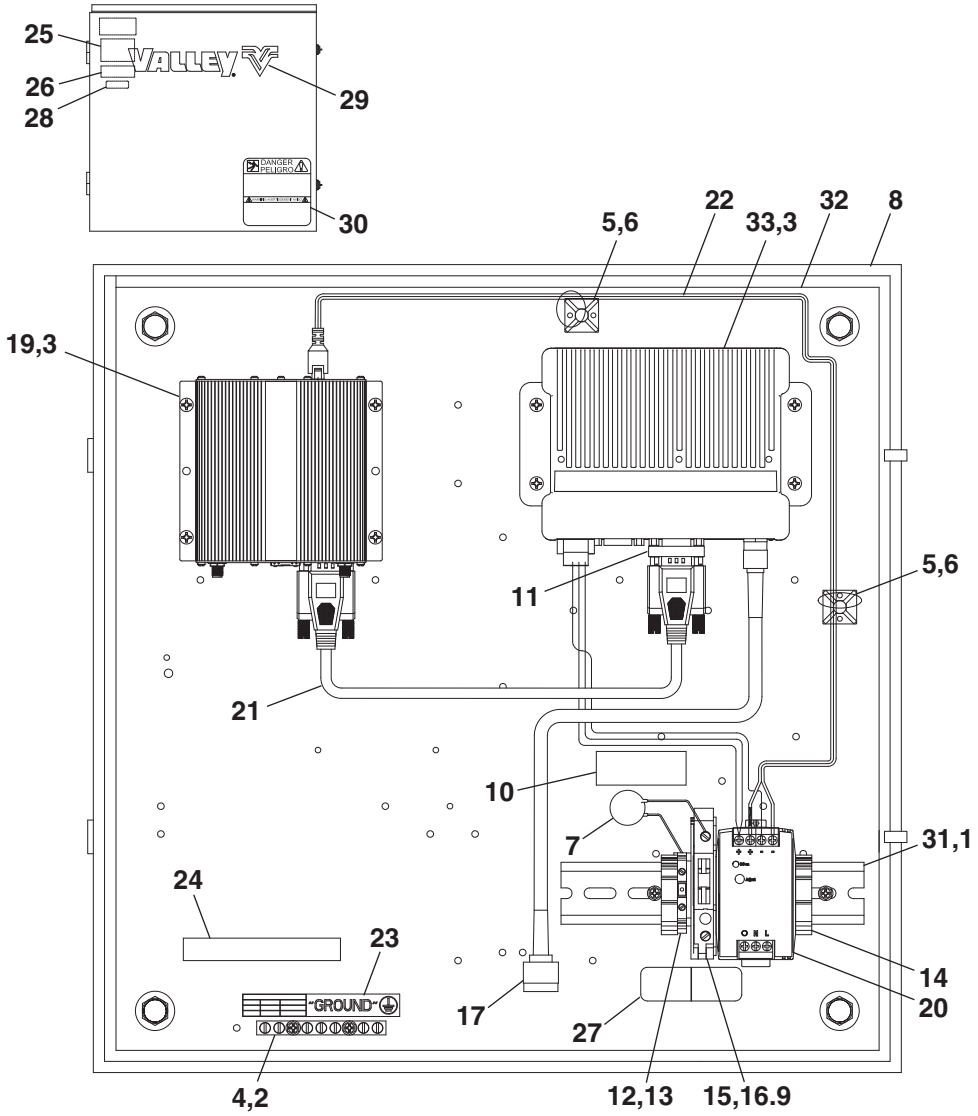



## TOP SSR Radio Installation


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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 Hex Nut w/ External Tooth Lock Washer | 0134059 |
| 2 | #10 Hex Nut - Stainless Steel Nylok | 0134065 |
| 3 | #8 Flat Washer - Stainless Steel | 0142084 |
| 4 | 5/8" Flat Washer - Stainless Steel (not shown) | 0143045 |
| 5 | Reducer Washer - 1.00-.500 (not shown) | 0143046 |
| 6 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 7 | #8 x 3/8" Self-Tapping Screw - Pan Phillips Head | 0161412 |
| 8 | #6 x 1/4" Machine Screw - Pan Phillips Head S.S. | 0164188 |
| 9 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 10 | #10 x 1/2" Machine Screw - Pan Phillips Head S.S. | 0164254 |
| 11 | Ground Lug - 7-Terminal | 0315120 |
| 12 | Wire Tie Holder - Self-Adhesive | 03E0046 |
| 13 | Cable Tie - 5.5" Long Plastic | 03E1605 |
| 14 | Transient Voltage Suppressor - 250V | 03E1782 |
| 15 | 3R Enclosure | 03E2074 |
| 16 | Fuse - 1.0 Amp 250V | 03E2081 |
| 17 | Decal - 1.0 Amp Fuse | 03E2082 |
| 18 | Null Modem Adapter - DB-9 | 03E2317 |
| 19 | Antenna Jumper - N-Male to SMA | 03E2434 |
| 20 | Terminal Block - Din Rail Mount | 03E2994 |
| 21 | Terminal Block End Cover | 03E2995 |
| 22 | Din Rail End Stop | 03E2996 |
| 23 | Fuse Block - Din Rail Mount | 03E2997 |
| 24 | Fuse Block End Cover | 03E2998 |
| 25 | Freewave SSR - RS232 TNC-F | 03E3061 |
| 26 | Antenna Jumper - Coaxial N-Male to TNC Male - 3' Lg. | 03E3064 |
| 27 | Surge Protector - 230V Coaxial (not shown) | 03E3194 |
| 28 | Surge Protector - 750W Coaxial (not shown) | 03E3209 |
| 29 | Dataradio - 6.25/12.5 KHz 138-174 MHz - VHF | 03E3241 |
| | - 6.25/12.5 KHz 440-476 MHz - UHF | 03E3242 |
| | - 6.25/12.5 KHz 406-440 MHz - UHF | 03E3243 |
| 30 | Power Supply - 12VDC 54 Watt Class2 | 03E3468 |
| 31 | Extension Cable - DB9 Male to DB9 Male - 2.5' Lg. | 03E3947 |
| 32 | #8 Hex Standoff, Male-Female - .50" Long Stainless Steel | 03E4124 |
| 33 | #8 Hex Standoff, Male-Female - 1.50" Long Stainless Steel | 03E4125 |
| 34 | #10 Hex Standoff, Male-Female - 1.50" Long Stainless Steel | 03E4126 |
| 35 | Decal - Ground | 0992925 |
| 36 | Decal - Copper Wire Only 60° C | 0994836 |
| 37 | Decal - 3R Enclosure | 0996403 |
| 38 | Decal - UL Spec. Nameplate 120V/5A | 0996505 |
| 39 | Decal - Neutral/120VAC Torque Decal | 0996561 |
| 40 | Decal - Main Disconnect Switch | 0996562 |
| 41 | Decal - Valley Logo | 0997431 |
| 42 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 43 | Dinrail Mount Channel - 17.00" Long | 9310607 |
| 44 | SSR Mounting Plate | 9311895 |
| 45 | Backpanel - Telemetry | 9312493 |
| | Integra 138-174 MHz VHF to Dual SSR Repeater w/ UPS | 9312834 |
| | Integra 440-476 MHz UHF to Dual SSR Repeater w/ UPS | 9312835 |
| | Integra 406-440 MHz UHF to Dual SSR Repeater w/ UPS | 9312836 |

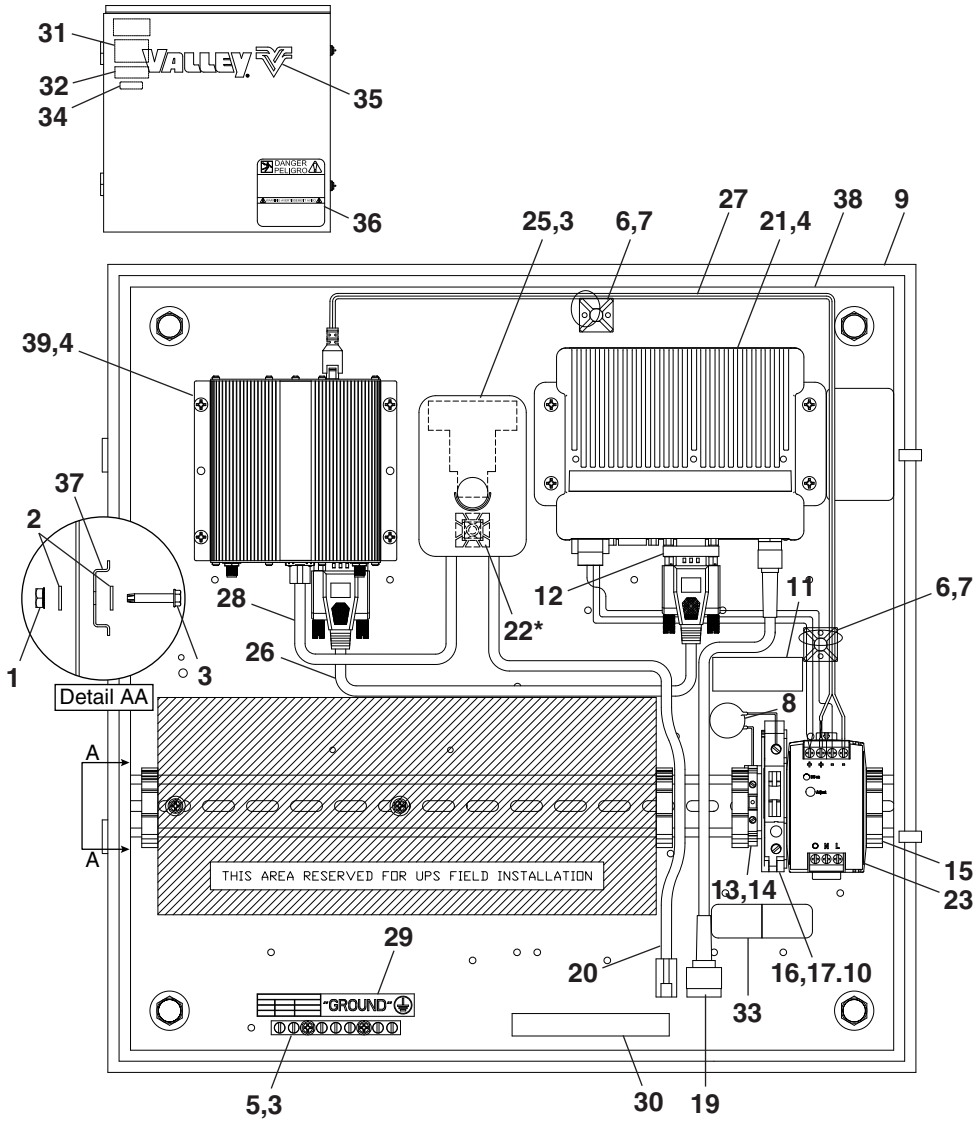

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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 2 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 3 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 4 | Ground Lug - 7-Terminal | 0315120 |
| 5 | Wire Tie Holder - Self-Adhesive | 03E0046 |
| 6 | Cable Tie - 5.5" Long Plastic | 03E1605 |
| 7 | Transient Voltage Suppressor - 250V | 03E1782 |
| 8 | 3R Enclosure | 03E2074 |
| 9 | Fuse - 1.0 Amp 250V | 03E2081 |
| 10 | Decal - 1.0 Amp Fuse | 03E2082 |
| 11 | Null Modem Adapter - DB-9 | 03E2317 |
| 12 | Terminal Block - Din Rail Mount | 03E2994 |
| 13 | Terminal Block End Cover | 03E2995 |
| 14 | Din Rail End Stop | 03E2996 |
| 15 | Fuse Block - Din Rail Mount | 03E2997 |
| 16 | Fuse Block End Cover | 03E2998 |
| 17 | Antenna Jumper - N-Male to TNC-Male | 03E3064 |
| 18 | Surge Protector - 750W Coaxial (not shown) | 03E3209 |
| 19 | Viper SC+ Dataradio - 136-174 MHz - Programmed | 03E3886 |
| | Viper SC+ Dataradio - 406.1-470 MHz - Programmed | 03E3887 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 20 | Power Supply - Class2 24VDC 2.5A Dinrail Mount | 03E3917 |
| 21 | Extension Cable - DB9 Male to DB9 Male - 2.5' Lg | 03E3947 |
| 22 | Power Supply Cable - 30.00" Long | 03E3949 |
| 23 | Decal - Ground | 0992925 |
| 24 | Decal - Copper Wire Only 60° C | 0994836 |
| 25 | Decal - 3R Enclosure | 0996403 |
| 26 | Decal - UL Spec. Nameplate 120V/5A | 0996505 |
| 27 | Decal - Neutral/120VAC Torque Decal | 0996561 |
| 28 | Decal - Main Disconnect Switch | 0996562 |
| 29 | Decal - Valley Logo | 0997431 |
| 30 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 31 | Dinrail Mount Channel - 17.00" Long | 9310700 |
| 32 | Backpanel - Telemetry | 9312493 |
| 33 | BaseStation 4G LTE Cellular Modem | 9313097 |
| | Cell to Viper VHF Repeater | 9312699 |
| | Cell to Viper UHF Repeater | 9312701 |


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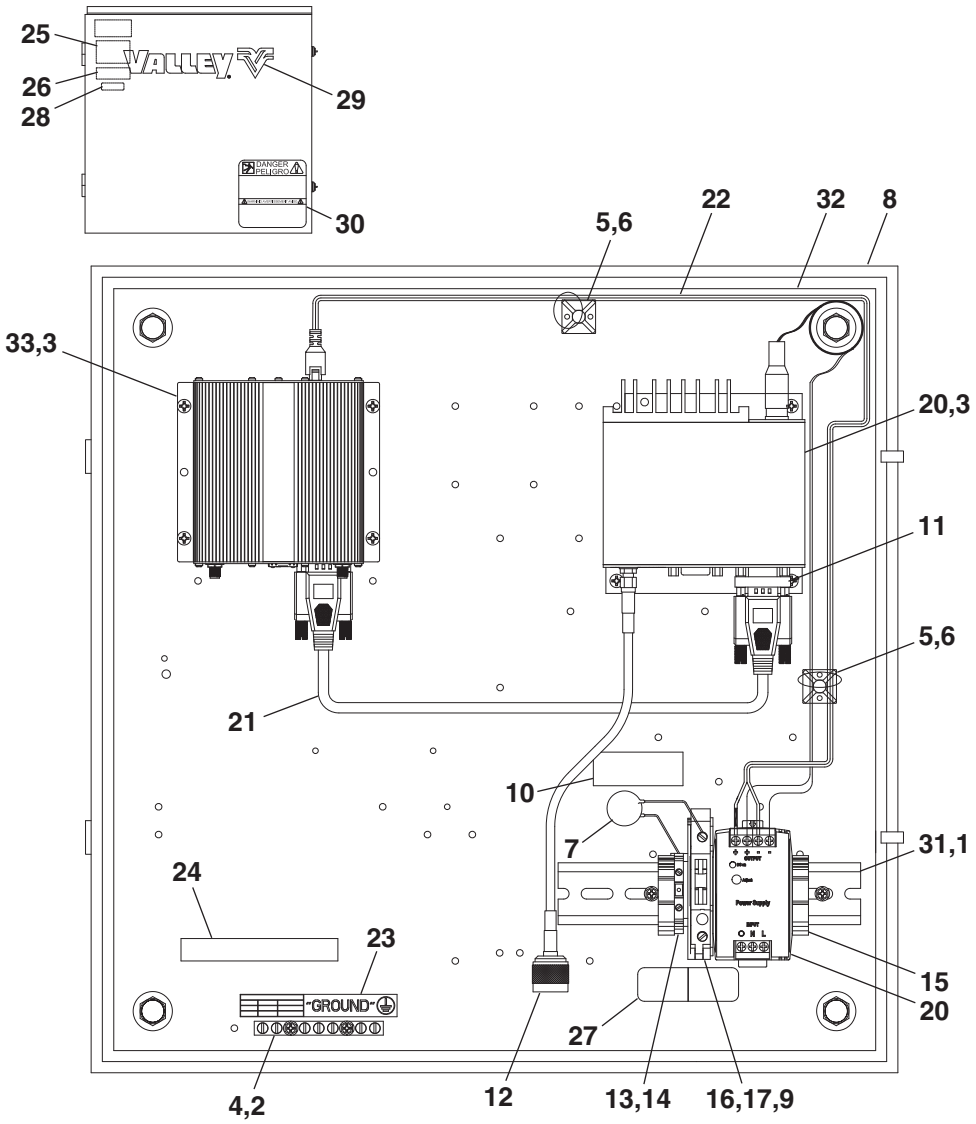



| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 Hex Nut w/ External Tooth Lock Washer | 0134059 |
| 2 | #8 Flat Washer - Stainless Steel | 0142084 |
| 3 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 4 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 5 | Ground Lug - 7-Terminal | 0315120 |
| 6 | Wire Tie Holder - Self-Adhesive | 03E0046 |
| 7 | Cable Tie - 5.5" Long Plastic | 03E1605 |
| 8 | Transient Voltage Suppressor - 250V | 03E1782 |
| 9 | 3R Enclosure | 03E2074 |
| 10 | Fuse - 1.0 Amp 250V | 03E2081 |
| 11 | Decal - 1.0 Amp Fuse | 03E2082 |
| 12 | Null Modem Adapter - DB-9 | 03E2317 |
| 13 | Terminal Block - Din Rail Mount | 03E2994 |
| 14 | Terminal Block End Cover | 03E2995 |
| 15 | Din Rail End Stop | 03E2996 |
| 16 | Fuse Block - Din Rail Mount | 03E2997 |
| 17 | Fuse Block End Cover | 03E2998 |
| 18 | Surge Protector - 750W Coaxial (not shown) | 03E3209 |
| 19 | Antenna Jumper - N-Male to SP-TNC-Male | 03E3539 |
| 20 | Ethernet Cable - Cat 5E - 24.00" Long | 03E3812 |
| 21 | Viper SC+ Dataradio - 136-174 MHz - Programmed | 03E3886 |
| | Viper SC+ Dataradio - 406.1-470 MHz - Programmed | 03E3887 |
| 22 | Wire Tie Holder - Self-Adhesive | 03E3892* |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 23 | Power Supply - Class2 24VDC 2.5A Dinrail Mount | 03E3917 |
| 24 | Cable Gland - RJ45 - Two Way Type (not shown) | 03E3935 |
| 25 | Ethernet Surge Protector | 03E3943 |
| 26 | Extension Cable - DB9 Male to DB9 Male - 2.5' Lg | 03E3947 |
| 27 | Power Supply Cable - 30.00" Long | 03E3949 |
| 28 | Ethernet Cable - Cat 5E - 12.00" Long | 03E3950 |
| 29 | Decal - Ground | 0992925 |
| 30 | Decal - Copper Wire Only 60° C | 0994836 |
| 31 | Decal - 3R Enclosure | 0996403 |
| 32 | Decal - UL Spec. Nameplate 120V/5A | 0996505 |
| 33 | Decal - Neutral/120VAC Torque Decal | 0996561 |
| 34 | Decal - Main Disconnect Switch | 0996562 |
| 35 | Decal - Valley Logo | 0997431 |
| 36 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 37 | Dinrail Mount Channel - 17.00" Long | 9310607 |
| 38 | Backpanel - Telemetry | 9312493 |
| 39 | BaseStation 4G LTE Cellular Modem | 9313097 |
| | Cell to Viper VHF Repeater w/ UPS | 9312714 |
| | Cell to Viper UHF Repeater w/ UPS | 9312715 |

*Mounted on back of Ethernet Surge Protector (03E3943)

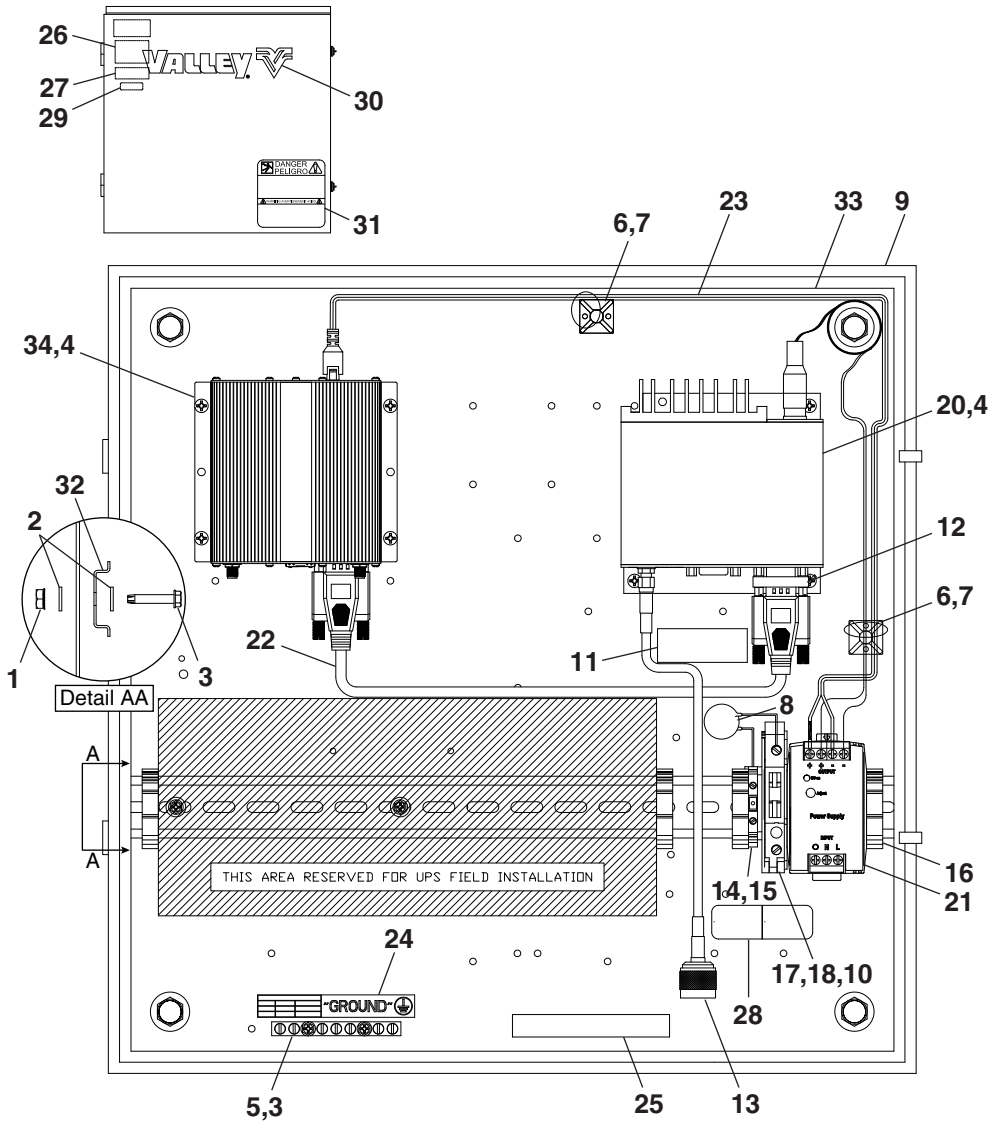

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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 |
| 2 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 3 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 4 | Ground Lug - 7-Terminal | 0315120 |
| 5 | Wire Tie Holder - Self-Adhesive | 03E0046 |
| 6 | Cable Tie - 5.5" Long Plastic | 03E1605 |
| 7 | Transient Voltage Suppressor - 250V | 03E1782 |
| 8 | 3R Enclosure | 03E2074 |
| 9 | Fuse - 1.0 Amp 250V | 03E2081 |
| 10 | Decal - 1.0 Amp Fuse | 03E2082 |
| 11 | Null Modem Adapter - DB-9 | 03E2317 |
| 12 | Antenna Jumper - N-Male to SMA | 03E2434 |
| 13 | Terminal Block - Din Rail Mount | 03E2994 |
| 14 | Terminal Block End Cover | 03E2995 |
| 15 | Din Rail End Stop | 03E2996 |
| 16 | Fuse Block - Din Rail Mount | 03E2997 |
| 17 | Fuse Block End Cover | 03E2998 |
| 18 | Surge Protector - 750W Coaxial (not shown) | 03E3209 |
| 19 | Dataradio - 6.25/12.5 KHz 138-174 MHz - VHF | 03E3241 |
| | - 6.25/12.5 KHz 440-476 MHz - UHF | 03E3242 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 20 | Power Supply - Class2 12VDC 54 Watt | 03E3468 |
| 21 | Extension Cable - DB9 Male to DB9 Male - 2.5' Lg | 03E3947 |
| 22 | Power Supply Cable - 30.00" Long | 03E3949 |
| 23 | Decal - Ground | 0992925 |
| 24 | Decal - Copper Wire Only 60° C | 0994836 |
| 25 | Decal - 3R Enclosure | 0996403 |
| 26 | Decal - UL Spec. Nameplate 120V/5A | 0996505 |
| 27 | Decal - Neutral/120VAC Torque Decal | 0996561 |
| 28 | Decal - Main Disconnect Switch | 0996562 |
| 29 | Decal - Valley Logo | 0997431 |
| 30 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 31 | Dinrail Mount Channel - 6.75" Long | 9310700 |
| 32 | Backpanel - Telemetry | 9312493 |
| 33 | BaseStation 4G LTE Cellular Modem | 9313097 |
| | Cell to Integra VHF Repeater | 9312696 |
| | Cell to Integra UHF Repeater | 9312697 |

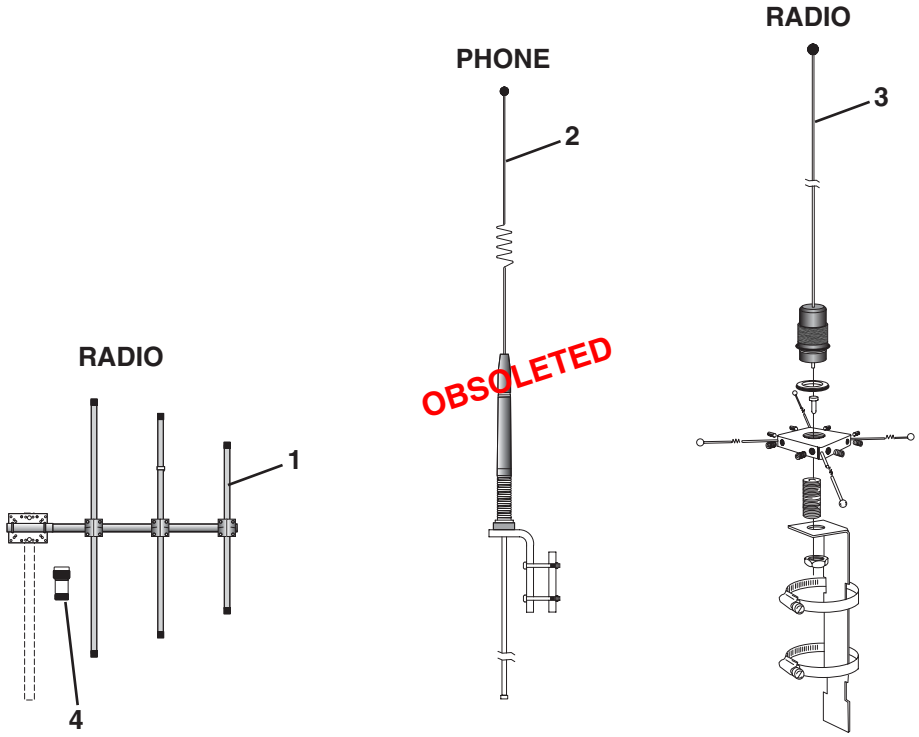

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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | #8 Hex Nut w/ External Tooth Lock Washer | 0134059 |
| 2 | #8 Flat Washer - Stainless Steel | 0142084 |
| 3 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 |
| 4 | #8 x 1/4" Self-Tapping Screw - Phillips Head | 0164226 |
| 5 | Ground Lug - 7-Terminal | 0315120 |
| 6 | Wire Tie Holder - Self-Adhesive | 03E0046 |
| 7 | Cable Tie - 5.5" Long Plastic | 03E1605 |
| 8 | Transient Voltage Suppressor - 250V | 03E1782 |
| 9 | 3R Enclosure | 03E2074 |
| 10 | Fuse - 1.0 Amp 250V | 03E2081 |
| 11 | Decal - 1.0 Amp Fuse | 03E2082 |
| 12 | Null Modem Adapter - DB-9 | 03E2317 |
| 13 | Antenna Jumper - N-Male to SMA | 03E2434 |
| 14 | Terminal Block - Din Rail Mount | 03E2994 |
| 15 | Terminal Block End Cover | 03E2995 |
| 16 | Din Rail End Stop | 03E2996 |
| 17 | Fuse Block - Din Rail Mount | 03E2997 |
| 18 | Fuse Block End Cover | 03E2998 |

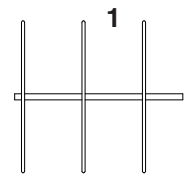
| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 19 | Surge Protector - 750W Coaxial (not shown) | 03E3209 |
| 20 | Dataradio - 6.25/12.5 KHz 138-174 MHz - VHF | 03E3241 |
| 21 | Power Supply - Class2 12VDC 54 Watt | 03E3468 |
| 22 | Extension Cable - DB9 Male to DB9 Male - 2.5' Lg | 03E3947 |
| 23 | Power Supply Cable - 30.00" Long | 03E3949 |
| 24 | Decal - Ground | 0992925 |
| 25 | Decal - Copper Wire Only 60° C | 0994836 |
| 26 | Decal - 3R Enclosure | 0996403 |
| 27 | Decal - UL Spec. Nameplate 120V/5A | 0996505 |
| 28 | Decal - Neutral/120VAC Torque Decal | 0996561 |
| 29 | Decal - Main Disconnect Switch | 0996562 |
| 30 | Decal - Valley Logo | 0997431 |
| 31 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 |
| 32 | Dinrail Mount Channel - 17.00" Long | 9310607 |
| 33 | Backpanel - Telemetry | 9312493 |
| 34 | BaseStation 4G LTE Cellular Modem | 9313097 |
| | Cell to Integra VHF Repeater w/ UPS | 9312739 |

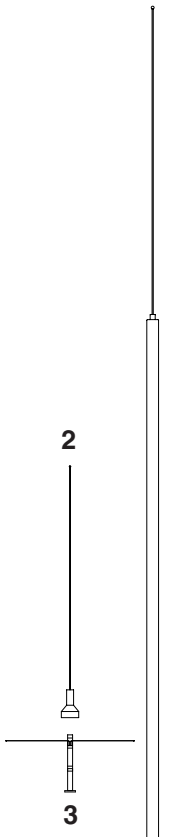

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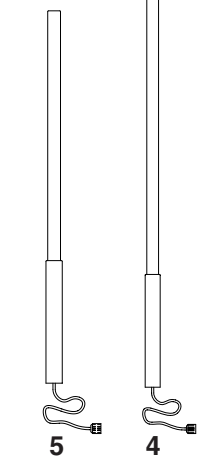


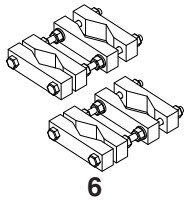

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Three Element Antenna | 03E0365 |
| 2 | Antenna w/Bracket Mount & 15' Cable | OBSOLETED |
| 3 | Ground Plane Antenna | KA01174 |
| 4 | Adapter, UHF Female to N Male | 03E0363 |


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| ITEM | DESCRIPTION | PART # | |
|---|---|---|---|
| 1 | Antenna, Yagi; 150-174 MHz VHF; 10.2db; 6 Elem. | 03E2555 | OBSOLETE |
| | Antenna, Yagi; 150-174 MHz VHF; 9.2db; 5 Elem. | 03E2556 | |
| | Antenna, Yagi; 150-174 MHz VHF; 7.1db; 3 Elem. | 03E2557 | |
| | Antenna, Yagi; 406-430 MHz UHF; 9.2db; 5 Elem. | 03E3077 | |
| | Antenna, Yagi; 406-420 MHz UHF; 10.2db; 6 Elem. | 03E2704 | |
| | Antenna, Yagi; 400-440 MHz UHF; 12.2db; 12 Elem. | 03E2705 | OBSOLETE |
| | Antenna, Yagi; 430-450 MHz UHF; 7.1db; 3 Elem. | 03E2752 | |
| | Antenna, Yagi; 430-450 MHz UHF; 9.2db; 5 Elem. | 03E2753 | |
| | Antenna, Yagi; 430-450 MHz UHF; 10.2db; 6 Elem. | 03E2754 | |
| | Antenna, Yagi; 430-450 MHz UHF; 11db; 12 Elem. | 03E2755 | |
| | Antenna, Yagi; 450-470 MHz UHF; 7.1db; 3 Elem.. | 03E2601 | |
| | Antenna, Yagi; 450-470 MHz UHF; 9.2db; 5 Elem. | 03E2602 | |
| | Antenna, Yagi; 450-470 MHz UHF; 10.2db; 6 Elem. | 03E2603 | |
| | Antenna, Yagi; 450-470 MHz UHF; 12.2db; 12 Elem. | 03E2607 | |
| 2 | Antenna, Omni; 1/4 Wave; 0db | 03E2560 | |
| | Antenna, Omni; 5/8 Wave; 3db | 03E2561 | |
| 3 | Antenna Base Adapter | 03E2558 | |
| 4 | Antenna, Omni; 150-156 MHz VHF; 3db; Fiberglass | 03E2595 | |
| | Antenna, Omni; 156-162 MHz VHF; 3db; Fiberglass | 03E2596 | |
| | Antenna, Omni; 162-168 MHz VHF; 3db; Fiberglass | 03E2597 | |
| | Antenna, Omni; 168-174 MHz VHF; 3db; Fiberglass | 03E2598 | |
| | Antenna, Omni; 150-156 MHz VHF; 0db; Fiberglass | 03E2614 | |
| | Antenna, Omni; 156-162 MHz VHF; 0db; Fiberglass | 03E2615 | |
| | Antenna, Omni; 162-168 MHz VHF; 0db; Fiberglass | 03E2616 | |
| | Antenna, Omni; 168-174 MHz VHF; 0db; Fiberglass | 03E2617 | |
| 5 | Antenna, Omni; 406-416 MHz UHF; 0db; Fiberglass | 03E3070 | |
| | Antenna, Omni; 406-416 MHz UHF; 3db; Fiberglass | 03E3071 | |
| | Antenna, Omni; 406-416 MHz UHF; 5db; Fiberglass | 03E3072 | |
| | Antenna, Omni; 410-420 MHz UHF; 3db; Fiberglass | 03E2706 | DISCONTINUED |
| | Antenna, Omni; 410-420 MHz UHF; 3db; Fiberglass | 03E3074 | |
| | Antenna, Omni; 410-430 MHz UHF; 0db; Fiberglass | 03E3073 | |
| | Antenna, Omni; 420-430 MHz UHF; 3db; Fiberglass | 03E3075 | |
| | Antenna, Omni; 420-430 MHz UHF; 5db; Fiberglass | 03E3076 | |
| | Antenna, Omni; 430-450 MHz UHF; 0db; Fiberglass | 03E2747 | |
| | Antenna, Omni; 430-440 MHz UHF; 3db; Fiberglass | 03E2748 | |
| | Antenna, Omni; 440-450 MHz UHF; 3db; Fiberglass | 03E2749 | |
| | Antenna, Omni; 430-440 MHz UHF; 5db; Fiberglass | 03E2750 | |
| | Antenna, Omni; 440-450 MHz UHF; 5db; Fiberglass | 03E2751 | |
| | Antenna, Omni; 450-460 MHz UHF; 0db; Fiberglass | 03E2608 | |
| | Antenna, Omni; 460-470 MHz UHF; 0db; Fiberglass | 03E2609 | |
| | Antenna, Omni; 450-460 MHz UHF; 3db; Fiberglass | 03E2610 | |
| | Antenna, Omni; 460-470 MHz UHF; 3db; Fiberglass | 03E2611 | |
| | Antenna, Omni; 450-460 MHz UHF; 5db; Fiberglass | 03E2612 | |
| | Antenna, Omni; 460-470 MHz UHF; 5db; Fiberglass | 03E2613 | |
| 6 | Heavy Duty Base Station Antenna Mount; 2.5" Max. Tube Dia. | 03E2594 | |
| 7 | ~~Antenna, Tuf Duck; 136-144 MHz VHF TNX~~ | ~~03E4506~~ | |
| | ~~Antenna, Tuf Duck; 144-148 MHz VHF TNX~~ | ~~03E4507~~ | |
| | ~~Antenna, Tuf Duck; 148-155 MHz VHF TNX~~ | ~~03E4508~~ | |
| | ~~Antenna, Tuf Duck; 150-162 MHz VHF TNX~~ | ~~03E4509~~ | |
| | ~~Antenna, Tuf Duck; 155-164 MHz VHF TNX~~ | ~~03E4510~~ | |
| | ~~Antenna, Tuf Duck; 164-174 MHz VHF TNX~~ | ~~03E4511~~ | |
| 8 | ~~Tuf Duck Antenna Adapter, N RightMale to TNC Female~~ | ~~03E4512~~ | |

Non-Domestic use ONLY

OPTIONAL Base Radio Antenna







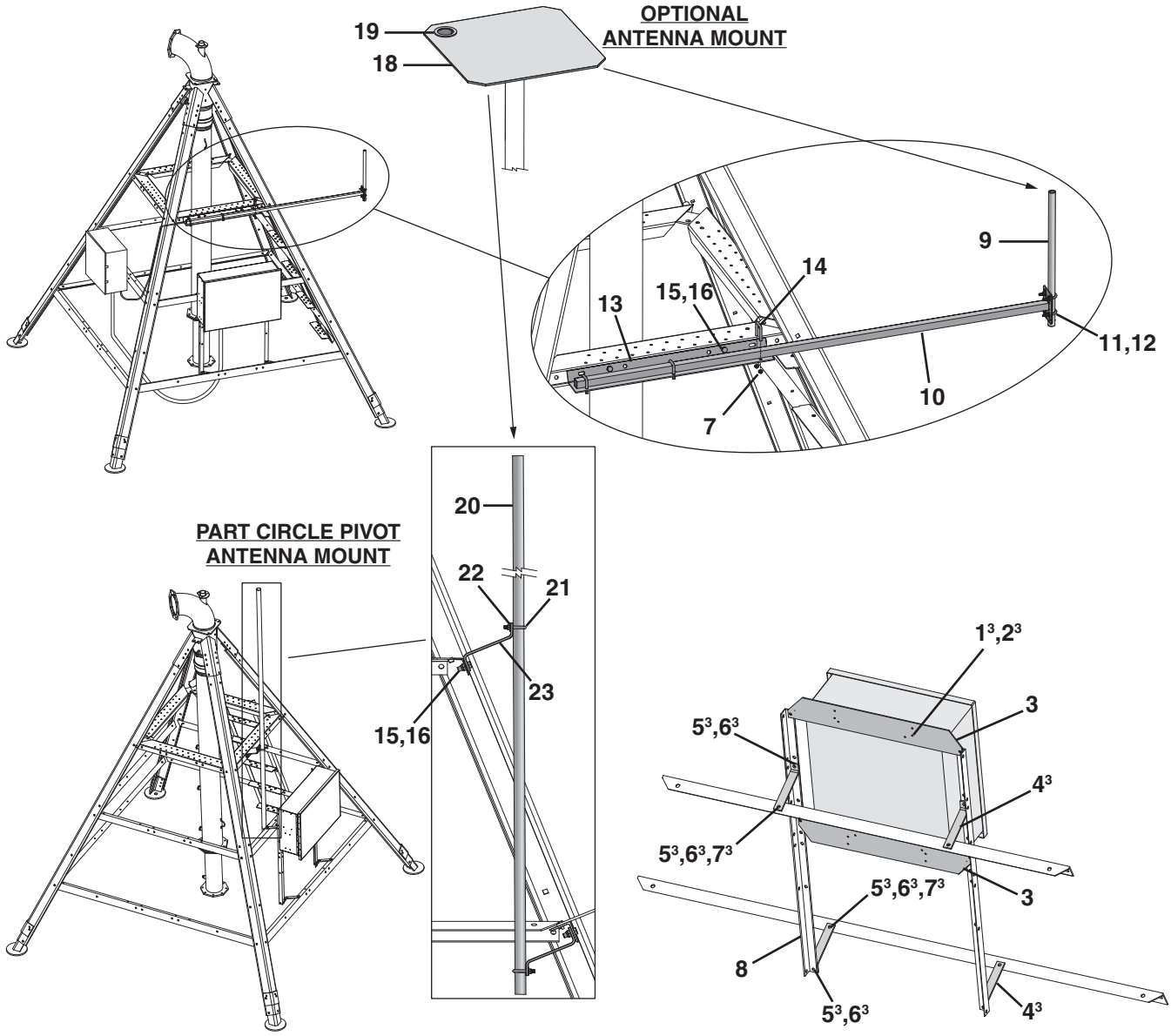

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| MISC. CABLES & ASSEMBLIES | |
|---|---|
| DESCRIPTION | PART # |
| Coaxial Cable LMR400 - 500' Spool | 03E2559 |
| Coax. Cable Assm. - 16' N Male to N Male | 1814333 |
| Coax. Cable Assm. - 30' N Male to N Male | 1814334 |
| Coax. Cable Assm. - 40' N Male to N Male | 1814406 |
| Coax. Cable Assm. - 45' N male to N Male | 1814335 |
| Coax. Cable Assm. - 50' N Male to N Male | 1814407 |
| Coax. Cable Assm. - 60' N Male to N Male | 1814330 |
| Coax. Cable Assm. - 70' N Male to N Male | 1814408 |
| Coax. Cable Assm. - 80' N Male to N Male | 1814409 |
| Coax. Cable Assm. - 90' N Male to N Male | 1814410 |
| Coax. Cable Assm. - 100' N Male to N Male | 1814411 |
| Coax. Cable Assm. - 110' N Male to N Male | 1814412 |
| Coax. Cable Assm. - 120' N Male to N Male | 1814413 |
| Coax. Cable Assm. - 130' N Male to N Male | 1814414 |
| Coax. Cable Assm. - 140' N Male to N Male | 1814415 |
| Coax. Cable Assm. - 150' N Male to N Male | 1814416 |
| Coax. Cable Assm. - 75' Mini UHF Male to UHF Male | 1813927 |
| Coax. Cable Assm. - 60' Mini UHF Male to UHF Male | 1813928 |
| Coax. Cable Assm. - 75' Mini UHF Male to N Male | 1813929 |
| Coax. Cable Assm. - 60' Mini UHF Male to N Male | 1813930 |

| ANTENNA KITS | | |
|---|---|---|
| DESCRIPTION | PART # | |
| Antenna RTU, Yagi; 3 Elem. Kit VHF - 16' - 150-174 MHz | 933K172 | |
| Antenna RTU, Yagi; 3 Elem. Kit VHF - 16' - 150-174 MHz | KA09623 | OBSOLETE |
| Antenna RTU, Yagi; 5 Elem. Kit VHF - 16' - 150-174 MHz | 933K173 | |
| Antenna RTU, Yagi; 5 Elem. Kit VHF - 16' - 150-174 MHz | KA09624 | OBSOLETE |
| Antenna RTU, Yagi; 6 Elem. Kit VHF - 16' - 150-174 MHz | 933K174 | OBSOLETE |
| Antenna RTU, Yagi; 6 Elem. Kit VHF - 16' - 150-174 MHz | KA09625 | OBSOLETE |
| Antenna, Omni; 1/4 Wave 0db Kit | 933K175 | |
| Antenna, Omni; 1/4 Wave 0db Kit | KA09626 | OBSOLETE |
| Antenna, Omni; 5/8 Wave 3db Kit | KA01344 | OBSOLETE |
| Antenna, Omni; 3db Kit - 150-156 MHz | 933K176 | |
| Antenna, Omni; 3db Kit - 156-162 MHz | 933K177 | |
| Antenna, Omni; 3db Kit - 162-168 MHz | 933K178 | |
| Antenna, Omni; 3db Kit - 168-174 MHz | 933K179 | |
| Antenna, Omni; Fiberglass; Mounting Kit | KA09684 | |
| Antenna RTU, Yagi; 3 Elem. Kit UHF - 16' - 450-470 MHz | 933K168 | OBSOLETE |
| Antenna RTU, Yagi; 3 Elem. Kit UHF - 16' - 450-470 MHz | KA01346 | OBSOLETE |
| Antenna RTU, Yagi; 5 Elem. Kit UHF - 16' - 450-470 MHz | 933K169 | OBSOLETE |
| Antenna RTU, Yagi; 5 Elem. Kit UHF - 16' - 450-470 MHz | KA01347 | OBSOLETE |
| Antenna RTU, Yagi; 6 Elem. Kit UHF - 16' - 450-470 MHz | 933K170 | OBSOLETE |
| Antenna RTU, Yagi; 6 Elem. Kit UHF - 16' - 450-470 MHz | KA01348 | OBSOLETE |
| Antenna RTU, Yagi; 12 Elem. Kit UHF - 16' - 450-470 MHz | 933K171 | OBSOLETE |
| Antenna RTU, Yagi; 12 Elem. Kit UHF - 16' - 450-470 MHz | KA01349 | OBSOLETE |
| Antenna RTU, Yagi; 3 Elem. Kit UHF - 15' - 430-450 MHz | KA09846 | |
| Antenna RTU, Yagi; 5 Elem. Kit UHF - 15' - 430-450 MHz | KA09847 | |
| Antenna RTU, Yagi; 6 Elem. Kit UHF - 15' - 430-450 MHz | KA09848 | |
| Antenna RTU, Yagi; 12 Elem. Kit UHF - 15' - 430-450 MHz | KA09849 | |

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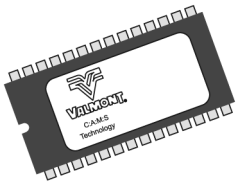



| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | 1/4" x 2" Cap Screw - Full Thread | 0161426 |
| 2 | 1/4" Hex Nut | 0133020 |
| 3 | Bracket | 9310161 |
| 4 | Mounting Bracket | 1780273 |
| 5 | 3/8" x 1" Cap Screw | 0161045 |
| 6 | 3/8" Lock Nut | 0133006 |
| 7 | 3/8" Flat Washer | 0142050 |
| 8 | Vertical Mounting Bracket | 1780272 |
| 9 | 3/4" x 24" Nipple - Galvanized | 0211133 |
| 10 | Antenna Mount Arm | 1704195 |
| 11 | 5/16" U-Bolt | 0176064 * |
| 12 | 5/16" Flat Washer | 0142017 * |
| 13 | Mounting Bracket | 1703727 |
| 14 | 3/8" U-Bolt | 0176070 * |
| 15 | 1/2" x 1-1/4" Cap Screw | 0161027 * [1 2] |
| 16 | 1/2" Lock Nut | 0133005 * [1 2] |
| 17 | Cable Tie (not shown) | 0314834 * |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 18 | Magnetic Mount Antenna Base | 1704197 ** |
| 19 | Bushing | 0192078 ** |
| 20 | 1-1/2" x 10' Pipe | 03E3067 [1] |
| | 3/4" x 8' Pipe | 1703750 [2] |
| 21 | 3/8" x 2-3/4" U-Bolt (incl. plate & nuts) | 0175025 [1] |
| | 5/16" x 1.38" U-Bolt (incl. nuts) | 0176064 [2] |
| 22 | 5/16" Flat Washer (use with 5/16" U-Bolt) | 0142017 [2] |
| 23 | Vertical Antenna Mount Bracket | 1704198 [1 2] |

| | |
|---|---|
| GPS Mount. Kit-Swing-Around/Univ. Lin. | 931K049 * |
| Magnetic Mount Antenna Base Assm. | KA09979 ** |
| 1-1/2" Pipe Vertical Mount Kit | KA09980 [1] |
| 3/4" Pipe Vertical Mount Kit | KA09981 [2] |
| Linear Mount Kit | 931K505 |
| Remote Mount Kit | 931K296 |
| Remote Link Box Mount Hardware Kit | KA01208 [3] |


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# C:A:M:S CONTROL MODULE SOFTWARE EPROMS

**NOTE: Part Numbers listed below in grey title bars are reference only.**

## SELECT MODULE (03E1602) (03E2248)

| KIT # | VERSION | PANEL | BASE STATION | REMOTE | VARIATIONS |
|---|---|---|---|---|---|
| 931K735 OBSOLETED Nov. 2015 | 1.92 | 8000 | Windows | 300 / 1200 Baud | w/o Manual |
| 0000E76 OBSOLETED Oct. 2015 | 1.92 | 8000 | Windows | 300 / 1200 Baud | w/ Manual |

## C:A:M:S VERSION 4 (1703720)

| KIT # | VERSION | PANEL | BASE STATION | REMOTE | VARIATIONS |
|---|---|---|---|---|---|
| KA01223 | 4.24 P | 6000 | Windows only | 300 / 1200 Baud | |
| KA09326 OBSOLETED Nov. 2015 | 4.24 PL | 6000 | Windows only | 300 / 1200 Baud | Daily Ops |
| KA01215 | 4.24 S | 8000 | Windows only | 300 / 1200 Baud | (03E1630) |

## C:A:M:S ENHANCED VERSION 5 (03E1713)

| KIT # | VERSION | PANEL | BASE STATION | REMOTE | VARIATIONS |
|---|---|---|---|---|---|
| KA01216 | 5.24 P | 6000 | Windows only | 300 / 1200 Baud | |
| KA01214 | 5.24 S | 8000 | Windows only | 300 / 1200 Baud | |
| KA09327 OBSOLETED Nov. 2015 | 5.24 SL | 8000 | Windows only | 300 / 1200 Baud | Daily Ops |

## C:A:M:S PRO VERSION 6 (03E1859)

| KIT # | VERSION | PANEL | BASE STATION | REMOTE | VARIATIONS |
|---|---|---|---|---|---|
| KA09382 OBSOLETED Nov. 2015 | 7.1 | 6000 / 8000 | Windows only | 300 / 1200 Baud | *,Daily Ops |

* English, Spanish, French

## C:A:M:S PRO VERSION 7

| KIT # | VERSION | PANEL | BASE STATION | REMOTE | VARIATIONS |
|---|---|---|---|---|---|
| KA09456 | 7.1.5 | 6000 / 8000 | Windows only | 300 / 1200 / 9600 Baud | *, Daily Ops |

* English, Spanish

| KIT # | VERSION | PANEL | BASE STATION | REMOTE | VARIATIONS |
|---|---|---|---|---|---|
| KA09457 OBSOLETED JUN. 2016 | 7.2.5 | 6000 / 8000 | Windows only | 300 / 1200 / 9600 Baud | **, Daily Ops |

** English, Spanish, French, Portuguese, Italian


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# COMMUNICATIONS

## Reference

Effective 10/2008


| Description | Rev. # | Pg. # |
|---|---|---|
| Parts Where Used Chart | 07-18 | 2-3 |
| Parts Where Used Chart | 07-18 | 2-4 |
| Parts Where Used Chart | 07-18 | 2-5 |
| TrackerSP | 11-17 | 2-6 |
| Tracker - PRIOR to June 08 | 11-17 | 2-7 |
| Tracker2 - EFFECTIVE June 08 | 11-17 | 2-8 |
| TrackerPRO | 06-18 | 2-9 |
| TrackerPRO - Multi International | 06-18 | 2-10 |
| TrackerLT | 04-18 | 2-11 |
| TrackerLT - Multi International | 04-18 | 2-12 |
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| Panel Link | 07-18 | 2-14 |
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| Spread Spectrum Radio Link | 04-18 | 2-32 |

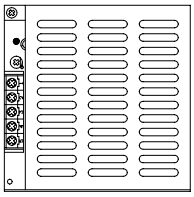
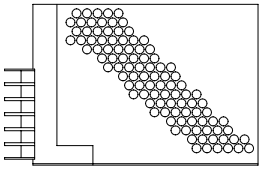
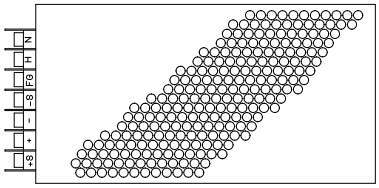
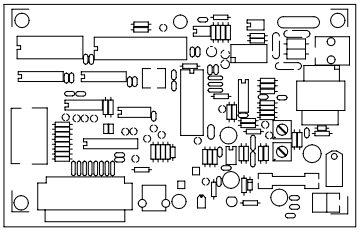
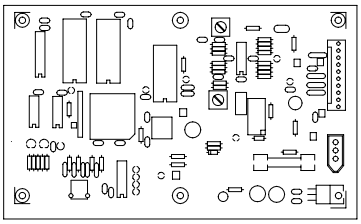
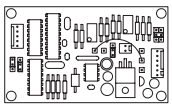
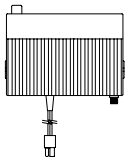

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| Functional Area Reference | Assembly / Part Parts Where Used Chart | Rev# 07-18 |
|---|---|---|

| Item | Part # | Description | Page Link |
|---|---|---|---|
|  | 03E1429 | Power Supply - 12V 1.2A | Valley 1200 Base Station<br>R.T.U. & Base Station |
|  | 03E2075 | Power Supply - 15V 3.4A | Phone Modem 1200<br>Valmont 300 Remote<br>Base Station 1200 Assembly<br>Valmont 300 Base Station<br>Remote Link Assembly |
|  | 03E2078 | Power Supply - 15V 10A | |
|  | 03E1816<br>OBSOLETE<br>Jun 18 | Phone Modem Board - 1200 Baud | Phone Modem 1200 |
|  | 03E1815<br>OBSOLETE<br>Jun 18 | Radio Modem Board - 1200 Baud | Radio Modem 1200<br>Base Station 1200 Assembly<br>Valley 1200 Base Station |
|  | 03E1455<br>OBSOLETE<br>Jun 18 | Valmont 300 Radio Modem | Valmont 300 Remote<br>Valmont 300 Base Station<br>R.T.U. & Base Station |
|  | 03E2677<br>OBSOLETE<br>Jun 18 | Radio VHF Motorola CM200 | |


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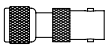
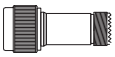
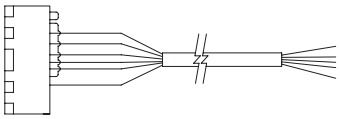
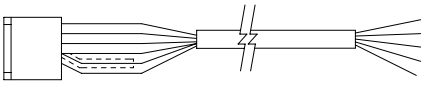
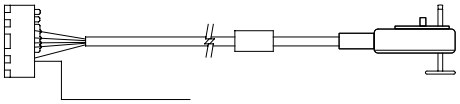
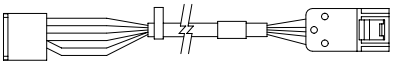
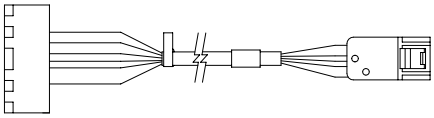
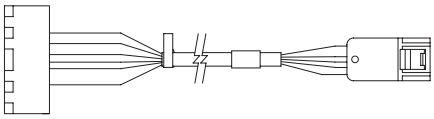
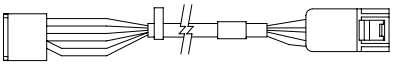
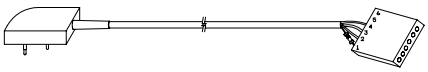
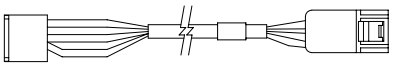
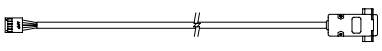
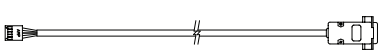
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**Functional Area Reference**

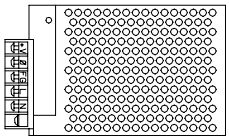
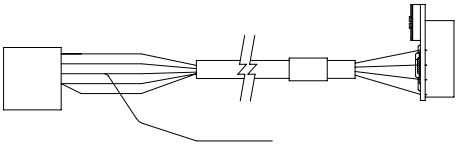
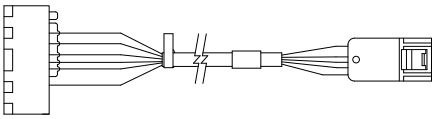
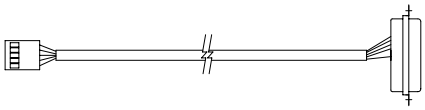
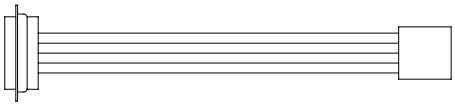
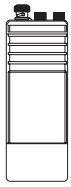
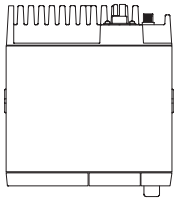
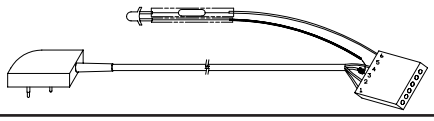
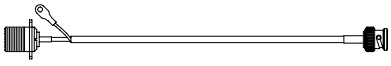
**Assembly / Part**
**Parts Where Used Chart**

**Rev# 07-18**

| Item | Part # | Description | Page Link |
|---|---|---|---|
|  | 03E1915 OBSOLeTED Jun 2016 | Adapter - Mini UHF-Male to BNC-Female | |
|  | 03E0363 | Adapter - UHF-Female to N-Male | |
|  | 1814386 OBSOLETED Nov 2015 | Generic Radio to 1200 Modem | |
|  | 03E2073 OBSOLETE Jun 18 | Generic Radio to Valmont 300 Modem | Valmont 300 Base Station |
|  | 1813456 OBSOLETED Nov 2015 | Generic Radio to 1200 Radio Modem | Radio Modem 1200<br>Base Station 1200 Radio Installation<br>Valley 1200 Base Station<br>Remote Link Assembly |
|  | 9310310 OBSOLETED Nov 2015 | Bendix King to 1200 Radio Modem | Radio Modem 1200<br>Base Station 1200 Radio Installation<br>Valley 1200 Base Station<br>Remote Link Assembly |
|  | 03E2522 OBSOLETE Jun 18 | Motorola M1225 to 300 Modem | |
|  | 9311156 OBSOLETED Dec 2015 | Motorola M1225 to 1200 Radio Modem | |
|  | 9311268 OBSOLETED Jun 2016 | Motorola CM200 to Zetron | |
|  | 03E2628 OBSOLeTED Jun 2016 | Motorola SM50 to 300 Modem | |
|  | 1813077 OBSOLeTED Jun 2016 | Bendix King to 300 Radio Modem | R.T.U. & Base Station |
|  | 03E2678 OBSOLETE Jun 18 | Motorola CM200 to 300 Radio Modem | |
|  | 03E2077 OBSOLeTED Jun 2016 | Valmont 300 Modem Power Harness | Valmont 300 Base Station |
|  | 9310311 OBSOLETE Jun 18 | Valmont 1200 Modem Power Harness | Base Station 1200 Assembly<br>Valmont 300 Base Station<br>Valley 1200 Base Station |
|  | 1813430 OBSOLETE Jun 18 | Serial Cable, 1200 Modems | Phone Modem 1200<br>Radio Modem 1200<br>Remote Link Assembly |
|  | 03E1495 OBSOLeTED Dec 2016 | Serial Cable, Valmont 300 Radio | Valmont 300 Remote<br>R.T.U. & Base Station |


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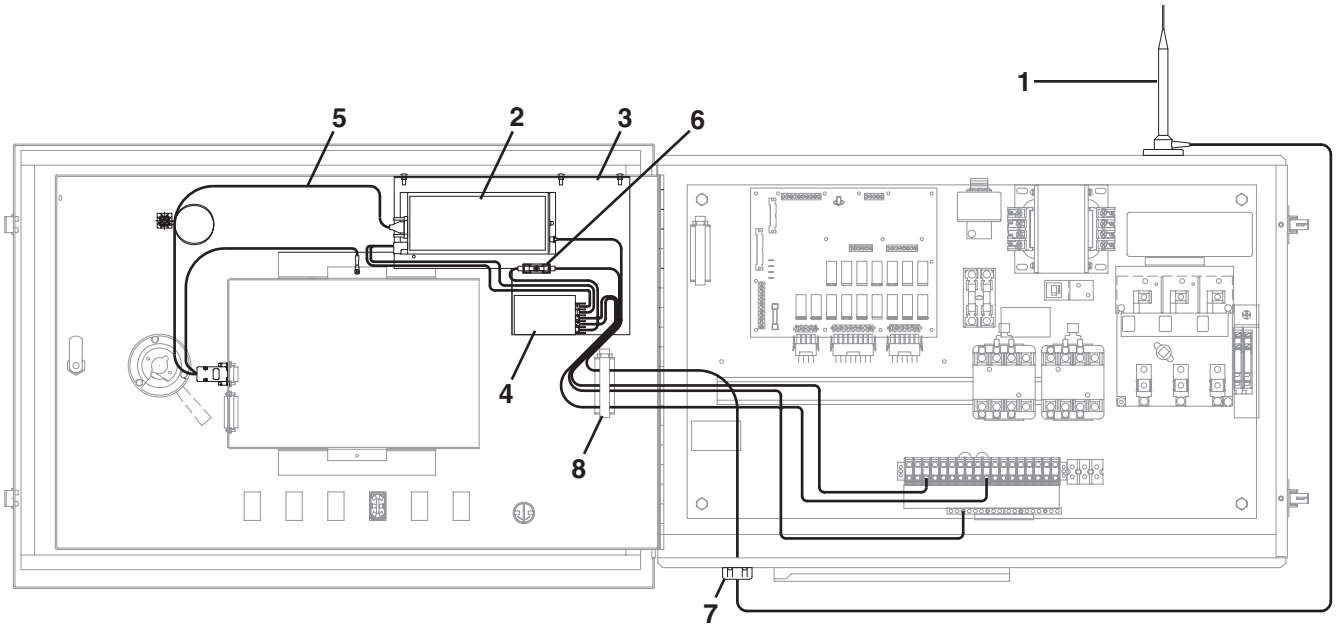
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| Item | Part # | Description | Page Link |
|---|---|---|---|
|  | 03E1799 | Remote Link Power Supply | Valley 1200 Base Station |
|  | 03E2072 OBSOLETE Jun 18 | Motorola GM300 to Valmont 300 Modem | Valmont 300 Remote Radio Installation<br>Valmont 300 Base Station |
|  | 9310378 OBSOLETED Dec 2015 | Motorola GM300 to 1200 Baud Radio Modem Harness | Radio Modem 1200<br>Base Station 1200 Radio Installation<br>Remote Link Assembly |
|  | 9310306 Service ONLY OBSOLETE Jun 18 | Cable - 5 Cond. 5 Pin | Base Station 1200 Assembly<br>Valley 1200 Base Station |
|  | 1812992 Service ONLY OBSOLETE Jun 18 | D-Sub Connector 25 Pin | Valmont 300 Base Station<br>R.T.U. & Base Station |
|  | 1813102 OBSOLETED Nov 2015 | Bendix King Radio<br>Replaced with 03E2677 Motorola CM200 OBSOLETE Jun 18 | Base Station 1200 Radio Installation<br>Valley 1200 Base Station<br>R.T.U. & Base Station |
|  | 03E1914 DISCONTINUED May 04 | Motorola GM300 Radio<br>Replaced with 03E2677 Motorola CM200 OBSOLETE Jun 18 | Valmont 300 Remote Radio Installation<br>Base Station 1200 Radio Installation<br>Valmont 300 Base Station |
|  | 03E2083 DISCONTINUED Oct 03 | Antenna, Base 6-8.1db Omni/Directional | Base Antenna |
|  | 1813076 Service ONLY OBSOLETE Jun 18 | Bendix King to 300 Radio Modem, Base | R.T.U. & Base Station |
|  | 03E1365 OBSOLETED Dec 15 | Battery Eliminator | Valley 1200 Base Station<br>R.T.U. & Base Station |
|  | 9310309 Service ONLY OBSOLETE Jun 18 | RG58 Cable, BNC Plug, UHF Receptacle | Valley 1200 Base Station |


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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Cellular Antenna - Magnetic Mount - OBSOLETE Nov 17 | 03E2547 |
| 2 | TrackerSP CDMA - OBSOLETE Nov 17 | 03E2861 |
| | TrackerSP GPRS | OBSOLETED |
| 3 | Mounting Panel | OBSOLETED |
| 4 | Power Supply - 15V - OBSOLETE Nov 17 | 03E2701 |
| 5 | Shielded Serial Cable | 03E2553 |
| 6 | Fuse Block | 03E0070 |
| | Fuse, 1 Amp | 03E2081 |
| 7 | Cord Connector | 03E2132 |
| 8 | Flat Cable Clamp | 0315840 |
| | TrackerSP CDMA Assembly | OBSOLETED |
| | TrackerSP GPRS Assembly | OBSOLETED |
| | COMPLETE TrackerSP GPRS Assembly (Multi International) | OBSOLETED |
| | TrackerSP CDMA - PRO2 and Select Panel Kit - OBSOLETE Nov 17 | KA09933 |
| | TrackerSP GPRS - Pro2 and Select Panel Kit | OBSOLETED |
| | TrackerSP GPRS - Pro2 and Select Panel Kit (Multi International) | OBSOLETED |
| | Battery, 6VDC (Analog & GSM) (not shown) - OBSOLETE Nov 17 | 03E2630 |
| | Battery, 12VDC (CDMA, 1XR++ & GPRS) (not shown) | 03E2272 |

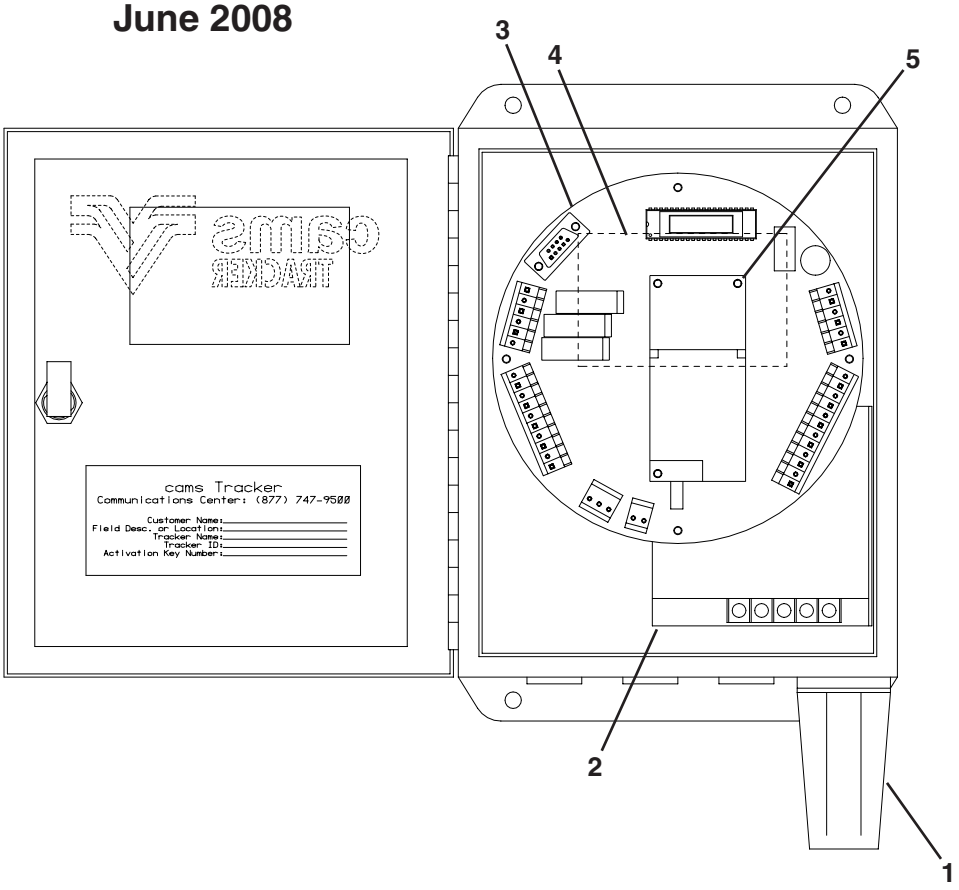

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## PRIOR To June 2008




| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Stub Antenna - Unity Gain - OBSOLETE Nov 17 | 03E2562 |
| | Cellular Antenna - Magnetic Mount - OBSOLETE Nov 17 | 03E2547 |
| 2 | Power Supply - 12V, 2.1 Amp - OBSOLETE | 03E2573 |
| 3 | Board (Rev. B3) - OBSOLETE Nov 17 | 03E2574 |
| 4 | Battery - 6V - OBSOLETE Nov 17 | 03E2575 |
| 5 | GSM Modem - OBSOLETE Nov 17 | 03E2726 |
| | COMPLETE Tracker GSM *(discontinued)* | 03E2714 |
| | Quick Connect Add-On Kit | KA09771 |
| | Voltage Monitor Hardware Kit - OBSOLETE Nov 17 | KA09639 |
| | Mounting Hardware Kit | KA09640 |
| | Antenna Kit | KA09659 |
| | Water On/Off Kit - Low Range - .6 - 15 psi - OBSOLETE Nov 17 | KA09660 |
| | Water On/Off Kit - High Range - 3 - 90 psi - OBSOLETE Nov 17 | KA09661 |
| | Pressure Kit - Mechanical - OBSOLETE | KA09662 |
| | - Pro / Select - OBSOLETE | KA09638 |
| * | Tracker Microcontroller v10.0 Kit - OBSOLETE | KA09809 |
| | Timer Relay | 03E2242 |

* NOTE: Microcontroller Kit includes Extraction Tool (03E2713 - OBSOLETE).

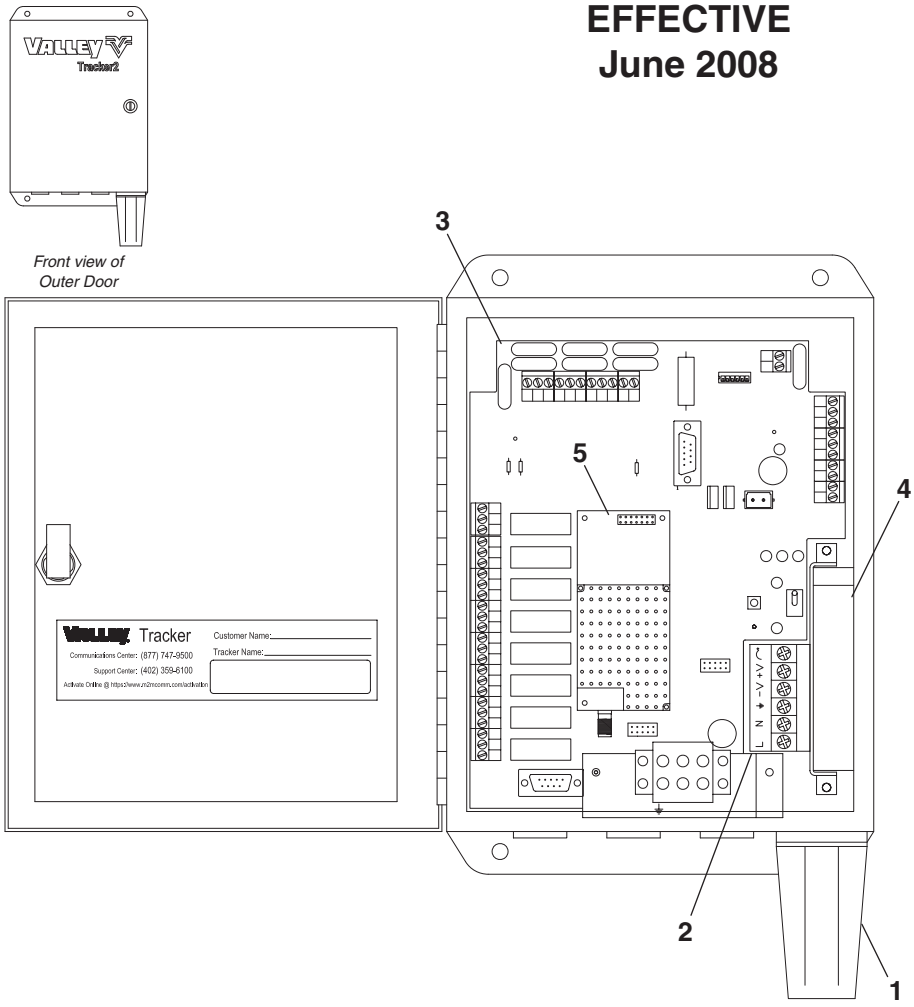

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**EFFECTIVE**
**June 2008**

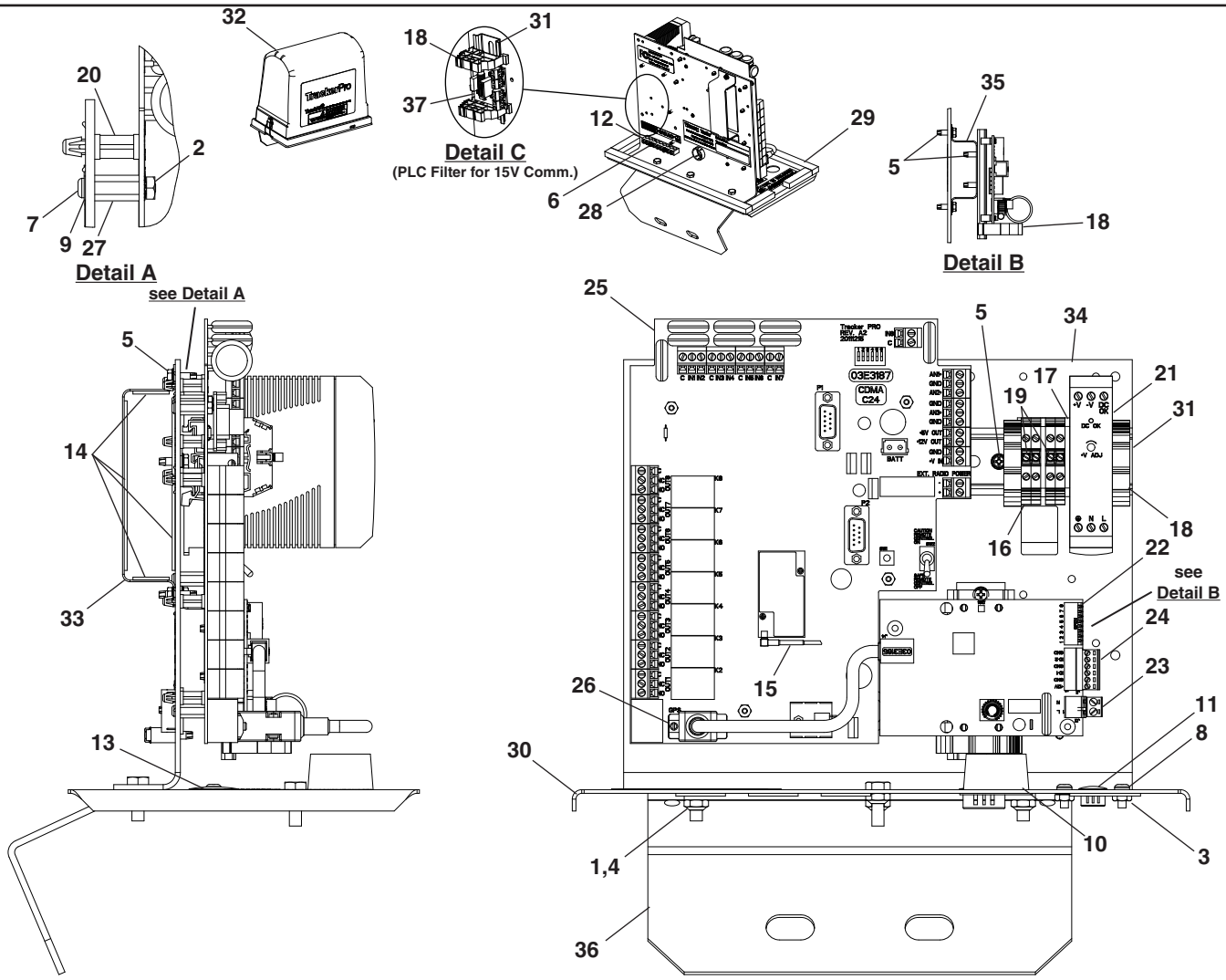



| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Dual Band Antenna - OBSOLETE Nov 17 | 03E2724 |
| | Dual Band Antenna CDMA - OBSOLETE Nov 17 | 03E2734 |
| 2 | Power Supply - 15V, 1.7 Amp - OBSOLETE Nov 17 | 03E2701 |
| 3 | Tracker2 GSM PCB - OBSOLETE Nov 17 | 03E2740 |
| | Tracker2 CDMA PCB w/Modem - OBSOLETE | 03E2850 |
| 4 | Battery - 12V 0.8AH | 03E2272 |
| 5 | Tracker2 GSM Modem *(not currently available)* - OBS. Nov 17 | 03E2726 |
| | Tracker2 Satellite Modem *(not currently available)* - OBS. Nov 17 | 03E2743 |
| | Tracker2 CDMA Modem - OBSOLETE | 03E2827 |
| | COMPLETE Tracker2 GSM | 03E2715 |
| | COMPLETE Tracker2 CDMA | 03E2844 |
| | Mounting Hardware Kit | KA09640 |
| | Panel Wiring Kit - OBSOLETE Nov 17 | KA09827 |
| | Water Option - OBSOLETE Nov 17 | KA09829 |
| | - Pressure Switch - Low Range | 0315994 |
| | - Pressure Switch - High Range | 03E1606 |
| | Pressure Option - OBSOLETE Nov 17 | KA09830 |
| | - Pressure Transducer Cable-UL | 9311054 |
| | Voltage Option - OBSOLETE Nov 17 | KA09831 |


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| Functional Area Reference | Assembly / Part | Rev# 06-18 |
|---|---|---|
| | TrackerPRO | |




| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | 1/4" Lock Nut | 0133008 |
| 2 | #4 Hex Nut w/External Tooth Lock Washer | 0134063 |
| 3 | #8 Hex Nut w/ External Tooth Lock Washer | 0134059 |
| 4 | 1/4" x 3/4" Cap Screw | 0161057 |
| 5 | #8 x 1/2" Screw - Self-Tapping Phillips | 0161355 |
| 6 | #8 x 7/8 Screw - Self-Tapping Phillips | 0161356 |
| 7 | #4 x 1/4" Screw - Pan Head | 0164158 |
| 8 | #8 x 3/8" Screw - Right Hand | 0164193 |
| 9 | #4 Lock Washer - Internal Tooth | 0141037 |
| 10 | 15X Caplug | 0261010 |
| 11 | Snap Button Hole Plug - 1/2" Dia. Hole | 0314749 |
| 12 | Ground Lug - 7 Terminal | 0315120 |
| 13 | Snap Button Hole Plug - 7/8" Dia. Hole | 03E2166 |
| 14 | Adhesive Foam Strip - OBSOLETE Nov 17 | 03E2831 |
| 15 | Antenna Jumper - OBSOLETE Nov 17 | 03E2847 |
| 16 | Terminal Block Din Rail Mount | 03E2994 |
| 17 | Terminal Stop End Cover | 03E2995 |
| 18 | Din Rail End Stop | 03E2996 |
| 19 | Terminal Jumper - 2-Pole | 03E3000 |
| 20 | Circuit Board Spacer | 03E3017 |
| 21 | Power Sup. Din Rail Mnt - 15V 20W - OBS. Nov 17 | 03E3021 |
| 22 | OPMC2 Standard Board - DISCONTINUED Jan 18 | 03E3165 |
| | OPMC2 15V Comm. Signal Board - DISC. May 18 | 03E3164 |
| 23 | Terminal Strip Plug - 5.08mm 2-Pole | 03E3166 |
| 24 | Terminal Strip Plug - 3.50mm 6-Pole | 03E3167 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 25 | PCB - TrackerPRO CDMA C24 - OBSOLETED | 03E3187 |
| | PCB - TrackerPRO GPRS - Multi-Dom. | OBSOLETED |
| 26 | Cable - DB9 Fem. to RJ11 - 11.00" - OBS. Nov 17 | 03E3323 |
| 27 | Standoff - Male/Female - #4 x 1/2" | 03E3325 |
| 28 | Snap Bushing | 0992070 |
| 29 | Gasket Kit | 0992071 |
| 30 | Bottom Plate | 1702216 |
| 31 | Din Rail Adapter Mount Channel | 9311122 |
| 32 | Tower Box Cover - UL | 9311146 |
| 33 | Battery Bracket - OBSOLETE Nov 17 | 9311723 |
| 34 | Vertical Plate | 9311885 |
| 35 | Din Rail Standoff - OBSOLETE Nov 17 | 9312018 |
| 36 | Pivot Mount Bracket | 9362856 |
| 37 | PLC Filter (for 15V Communications) | 03E2879 |

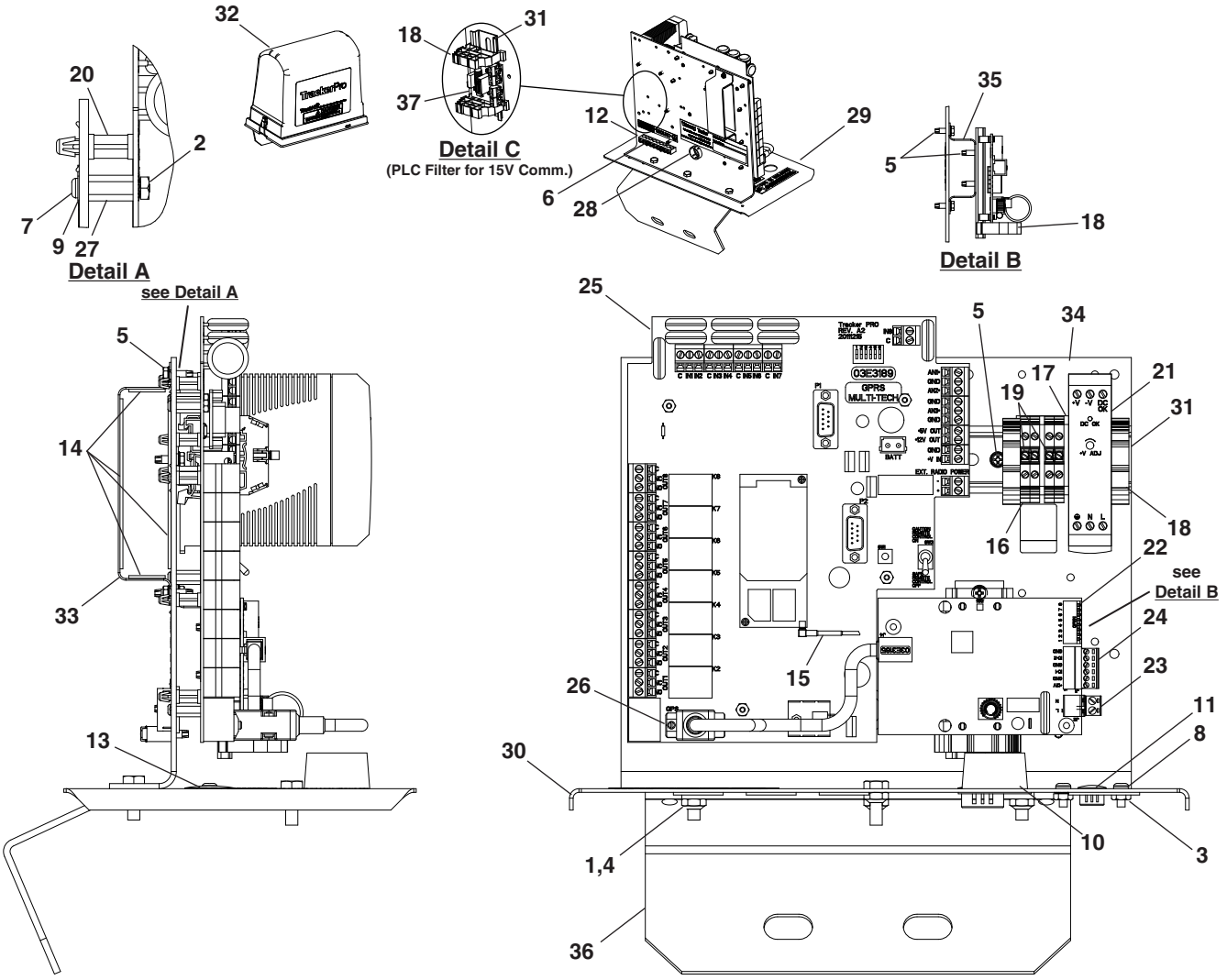
| | |
|---|---|
| TrackerPRO PLC Assm. - 5V Comm. - CDMA - OBS. Nov 17 | 1815050 |
| TrackerPRO PLC Assm. - 15V Comm. - CDMA - OBS. Nov 17 | 1815051 |
| TrackerPRO PLC Assm. - 5V Comm. - GPRS Multi-Dom... | OBSOLETED |
| TrackerPRO PLC Assm. - 15V Comm. - GPRS Multi-Dom | OBSOLETED |
| TrackerPRO Installation Kit - OBSOLETE Nov 17 ... | KA01520 |
| TrackerPRO Mounting Hardware Kit - OBS. Nov 17 | KA01577 |
| Water Pressure Switch Option - OBS. Nov 17 ..... | KA09829 |
| Voltage Option Kit - OBSOLETE Nov 17 ..... | KA09831 |


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| Functional Area Reference | Assembly / Part | Rev# 06-18 |
|---|---|---|
| | TrackerPRO - Multi International | |




| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | 1/4" Lock Nut | 0133008 |
| 2 | #4 Hex Nut w/ External Tooth Lock Washer | 0134063 |
| 3 | #8 Hex Nut w/ External Tooth Lock Washer | 0134059 |
| 4 | 1/4" x 3/4" Cap Screw | 0161057 |
| 5 | #8 x 1/2" Screw - Self-Tapping Phillips | 0161355 |
| 6 | #8 x 7/8 Screw - Self-Tapping Phillips | 0161356 |
| 7 | #4 x 1/4" Screw - Pan Head | 0164158 |
| 8 | #8 x 3/8" Screw - Right Hand | 0164193 |
| 9 | #4 Lock Washer - Internal Tooth | 0141037 |
| 9 | 15X Caplug | 0261010 |
| 10 | Snap Button Hole Plug - 1/2" Dia. Hole | 0314749 |
| 11 | Ground Lug - 7 Terminal | 0315120 |
| 12 | Snap Button Hole Plug - 7/8" Dia. Hole | 03E2166 |
| 13 | Adhesive Foam Strip - OBSOLETE Nov 17 | 03E2831 |
| 14 | Antenna Jumper - OBSOLETE Nov 17 | 03E2847 |
| 15 | Terminal Block Din Rail Mount | 03E2994 |
| 16 | Terminal Stop End Cover | 03E2995 |
| 17 | Din Rail End Stop | 03E2996 |
| 18 | Terminal Jumper - 2-Pole | 03E3000 |
| 19 | Circuit Board Spacer | 03E3017 |
| 20 | Power Sup. Din Rail Mnt. - 15V 20W - OBS. Nov 17 | 03E3021 |
| 21 | OPMC2 Standard Board - DISCONTINUED Jan 18 | 03E3165 |
| | OPMC2 15V Comm. Signal Board - DISC. May 18 | 03E3164 |
| 22 | Terminal Strip Plug - 5.08mm 2-Pole | 03E3166 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 23 | Terminal Strip Plug - 3.50mm 6-Pole | 03E3167 |
| 24 | PCB - TrackerPRO GPRS - Multi-Intl. | OBSOLETED |
| 25 | Cable - DB9 Female to RJ11 - 11.00" - OBS. Nov 17 | 03E3323 |
| 26 | Standoff - Male/Female - #4 x 1/2" | 03E3325 |
| 27 | Snap Bushing | 0992070 |
| 28 | Gasket Kit | 0992071 |
| 29 | Bottom Plate | 1702216 |
| 30 | Din Rail Adapter Mount Channel | 9311122 |
| 31 | Tower Box Cover - UL | 9311146 |
| 32 | Battery Bracket - OBSOLETE Nov 17 | 9311723 |
| 33 | Vertical Plate | 9311885 |
| 34 | Din Rail Standoff - OBSOLETE Nov 17 | 9312018 |
| 35 | Pivot Mount Bracket | 9362856 |
| 36 | PLC Filter (for 15V Communications) | 03E2879 |

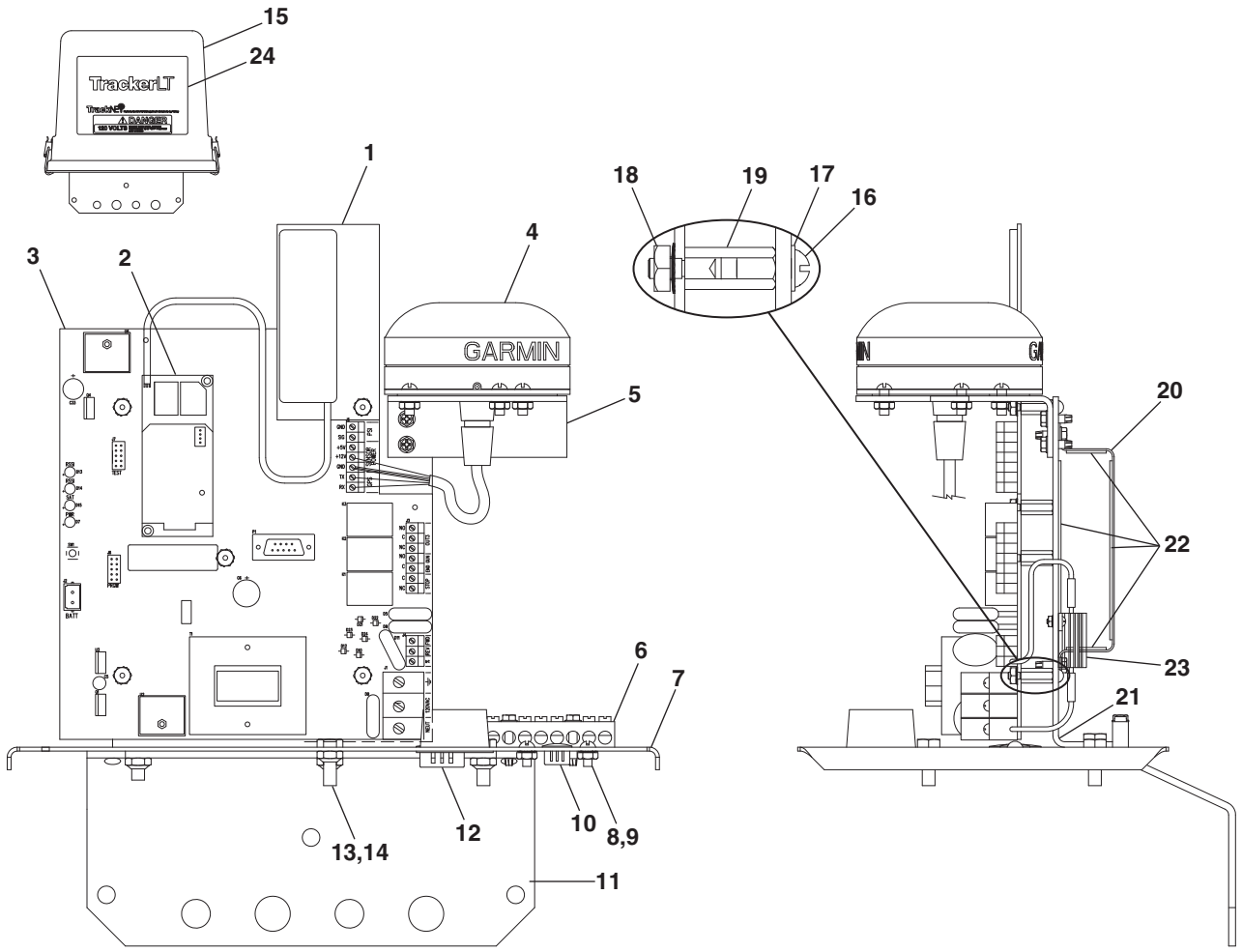
| | | |
|---|---|---|
| TrackerPRO PLC Assm. - 5V Comm. - GPRS Multi-Intl | | OBSOLETED |
| TrackerPRO PLC Assm. - 15V Comm. - GPRS Multi-Intl | | OBSOLETED |
| | TrackerPRO Installation Kit - OBSOLETE Nov 17 | KA01520 |
| | TrackerPRO Mounting Hardware Kit - OBS. Nov 17 | KA01577 |
| | Water Pressure Switch Option - OBSOLETE Nov 17 | KA09829 |
| | Voltage Option Kit - OBSOLETE Nov 17 | KA09831 |


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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Internal Antenna - OBSOLETE Nov 17 | 03E2836 |
| 2 | Modem - GSM (pictured above) | 03E2828 |
| | - CDMA - OBSOLETED | 03E2827 |
| 3 | PC Board - GSM (pictured above) - OBS. Nov 17 | 03E2825 |
| | - CDMA - OBSOLETED | 03E2824 |
| 4 | GPS - 19X HVS Prog. v.2.20 w/Cable-Garmin | 03E3466 |
| 5 | GPS Bracket | 9311609 |
| 6 | Ground Lug | 0315120 |
| 7 | Bottom Plate | 1702216 |
| 8 | #8 x 3/8" Phillips (RH) | 0164193 |
| 9 | #8 Nut w/ External Tooth Lock Washer | 0134059 |
| 10 | 1/2" Snap Button Hole Plug | 0314749 |
| 11 | Mounting Plate | 1702054 |
| 12 | 7/8" Snap Button Hole Plug | 03E2166 |
| 13 | 1/4" x 3/4" Cap Screw | 0161057 |
| 14 | 1/4" Lock Nut | 0133008 |
| 15 | Tower Box Cover - UL | 9311146 |
| 16 | #6 x 3/8" Phillips (RH) | 0164198 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 17 | #6 Internal Tooth Lock Washer | 0142073 |
| 18 | #6 Nut w/ External Tooth Lock Washer | 0134058 |
| 19 | #6 x 5/8" Standoff (Male/Female) - OBS. Nov 17 | 03E2830 |
| 20 | Battery Bracket - OBSOLETE Nov 17 | 9311723 |
| 21 | Vertical Plate | 9311608 |
| 22 | Adhesive Foam - OBSOLETE Nov 17 | 03E2831 |
| 23 | Resistor - 25 W 2K OHM - Service Part ONLY | 03E3162 |
| 24 | TrackerLT Decal - OBSOLETE Nov 17 | 0997843 |

COMPLETE TrackerLT GSM (pict. above) - OBS. Nov 17 .... 1814750
COMPLETE TrackerLT CDMA - OBSOLETE Nov 17 .... 1814751

TrackerLT Hardware Kit - OBSOLETE Nov 17 ..... KA09898
(includes 12V Battery 03E2272)

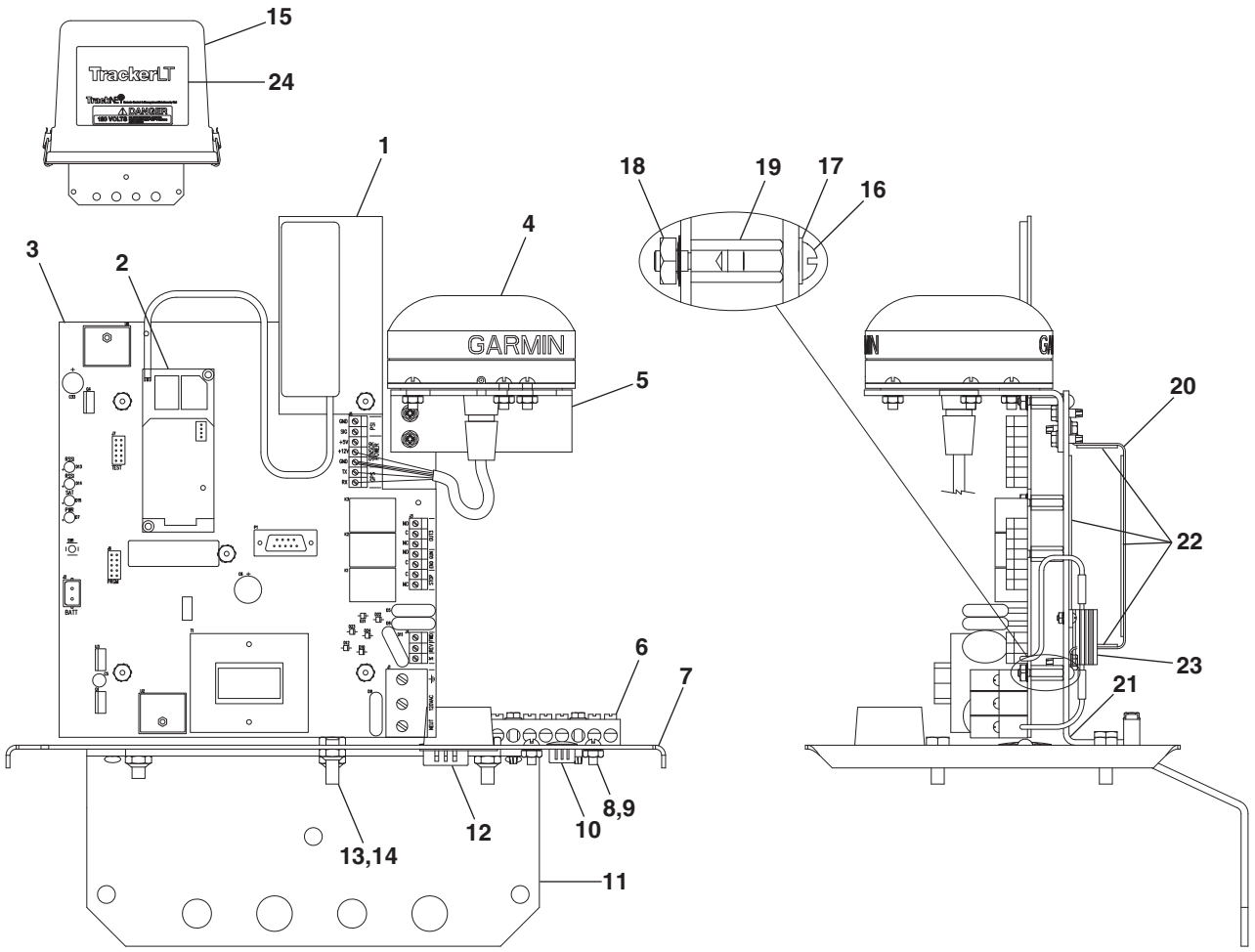
Pressure Option - OBSOLETE Nov 17 ..... KA09830

Wiring Harness - 12 Cond. 12 Ga. (12' long)
(from LT to Control Tower Box) - OBS. Nov 17 .... 9311734


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For Reference ONLY

| Functional Area Reference | Assembly / Part | Rev# 04-18 |
|---|---|---|
| | TrackerLT - Multi International | |




| ITEM | DESCRIPTION | PART # |
|---|---|---|
| * 1 | Internal Antenna | 03E3050 |
| * 2 | Modem - GPRS - OBSOLETE Nov 17 | 03E2828 |
| 3 | PC Board - GPRS | 03E3051 |
| 4 | GPS - 19X HVS Prog. v.2.20 w/Cable-Garmin | 03E3466 |
| 5 | GPS Bracket | 9311609 |
| 6 | Ground Lug | 0315120 |
| 7 | Bottom Plate | 1702216 |
| 8 | #8 x 3/8" Phillips (RH) | 0164193 |
| 9 | #8 Nut w/ External Tooth Lock Washer | 0134059 |
| 10 | 1/2" Snap Button Hole Plug | 0314749 |
| 11 | Mounting Plate | 1702054 |
| 12 | 7/8" Snap Button Hole Plug | 03E2166 |
| 13 | 1/4" x 3/4" Cap Screw | 0161057 |
| 14 | 1/4" Lock Nut | 0133008 |
| 15 | Tower Box Cover - UL | 9311146 |
| 16 | #6 x 3/8" Phillips (RH) | 0164198 |
| 17 | #6 Internal Tooth Lock Washer | 0142073 |
| 18 | #6 Nut w/ External Tooth Lock Washer | 0134058 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 19 | #6 x 5/8" Standoff (Male/Female) - OBS. Nov 17 | 03E2830 |
| 20 | Battery Bracket - OBSOLETE Nov 17 | 9311723 |
| 21 | Vertical Plate | 9311608 |
| 22 | Adhesive Foam - OBSOLETE Nov 17 | 03E2831 |
| 23 | Resistor - 25 W 2K OHM - Service Part ONLY | 03E3162 |
| 24 | TrackerLT Decal - OBSOLETE Nov 17 | 0997843 |
| | COMPLETE TrackerLT GPRS (Multi International) | 1814919 |
| | TrackerLT Hardware Kit - OBSOLETE Nov 17 (includes 12V Battery 03E2272) | KA09898 |
| | Pressure Option - OBSOLETE Nov 17 | KA09830 |
| | Wiring Harness - 12 Cond. 12 Ga. (12' long) (from LT to Control Tower Box) - OBS. Nov 17 | 9311734 |

*NOTE: Antenna and Modem included w/PC Board 03E3051.


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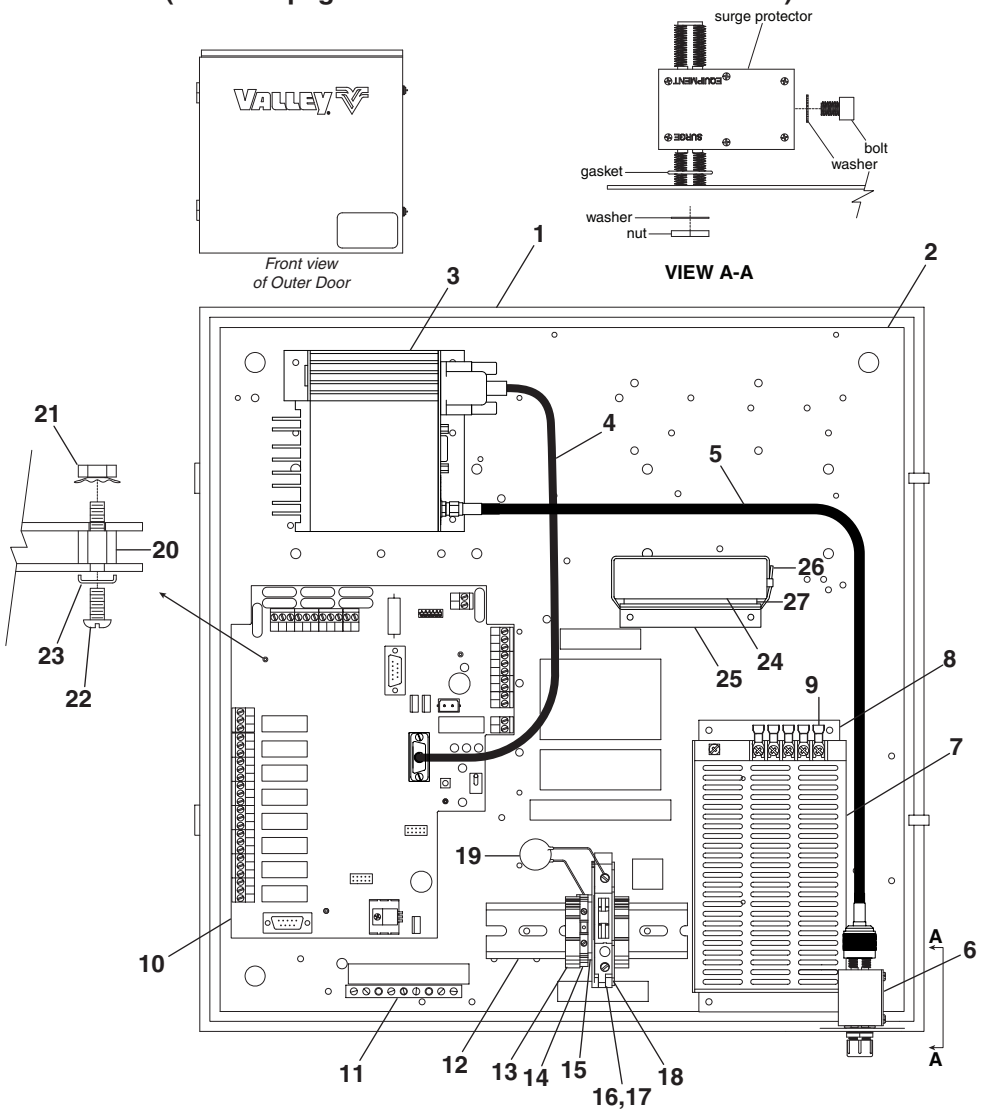
For Reference ONLY

For Reference ONLY



# OBSOLETED March 2016

**(see next page for current Panel Link information)**




| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Enclosure, 3R | 03E2074 |
| 2 | Backpanel | 9310993 |
| 3 | Dataradio VHF - 6.25/12.5 KHz 138-174 MHz | 03E3241 |
| | Dataradio UHF - 6.25/12.5 KHz 440-476 MHz | 03E3242 |
| | Dataradio UHF - 6.25/12.5 KHz 406-440 MHz | 03E3243 |
| 4 | Serial Cable - DB9 Male to DB9 Female (6' Ext.) | 03E2445 * |
| 5 | Antenna Jumper - N Male to SMA | 03E2434 * |
| 6 | Antenna Surge Suppressor | 03E3209 * |
| 7 | Power Supply - 15V 4A | 03E2447 |
| 8 | Mounting Plate (Power Supply) - OBSOLETE Jun 18 | 9311516 |
| 9 | Locking Fork Spade - #6 | 03E1134 |
| 10 | Panel Link PCB - OBSOLETE Nov 17 | 03E1900 |
| 11 | Ground Lug - 7 Terminal | 0315120 |
| 12 | Din Rail Channel Mount - 5" Long | 9310693 |
| 13 | Din Rail End Stop | 03E2996 |
| 14 | Terminal Block - Din Rail Mounted | 03E2994 |
| 15 | Terminal Stop End Cover | 03E2995 |
| 16 | Fuseblock - Din Rail Mount 25A | 03E2997 |
| 17 | Fuse - 2 Amp | 03E1669 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 18 | Fuseblock End Cover | 03E2998 |
| 19 | Transient Voltage Suppressor - 250V | 03E1782 |
| 20 | Standoff - Male-Female - OBSOLETE Jun 18 | 03E0446 |
| 21 | #4 Hex Nut w/Lockwasher | 0134063 |
| 22 | #4 x 1/4" Screw | 0164158 |
| 23 | #4 Lock Washer | 0141037 |
| 24 | Battery - 12V 0.8AH (Optional) | 03E2272 ** |
| 25 | Bracket (Battery) (Optional) - OBSOLETE Nov 17 | 9311518 ** |
| 26 | Nylon Wire Tie - Black 14.5" Long (Optional) | 03E2145 ** |
| 27 | Hook and Loop (Optional) | 0996612 ** |
| | Panel Link Box - OBSOLETE Nov 17 | 9311514 |
| | Dataradio Kit - 6.25/12.5 KHz 138-174 MHz - OBSOLETE | 931K893 |
| | - 6.25/12.5 KHz 440-476 MHz - OBSOLETE | 931K894 |
| | Panel Link Battery Kit (Optional) - OBS. Nov 17 | KA09819 |

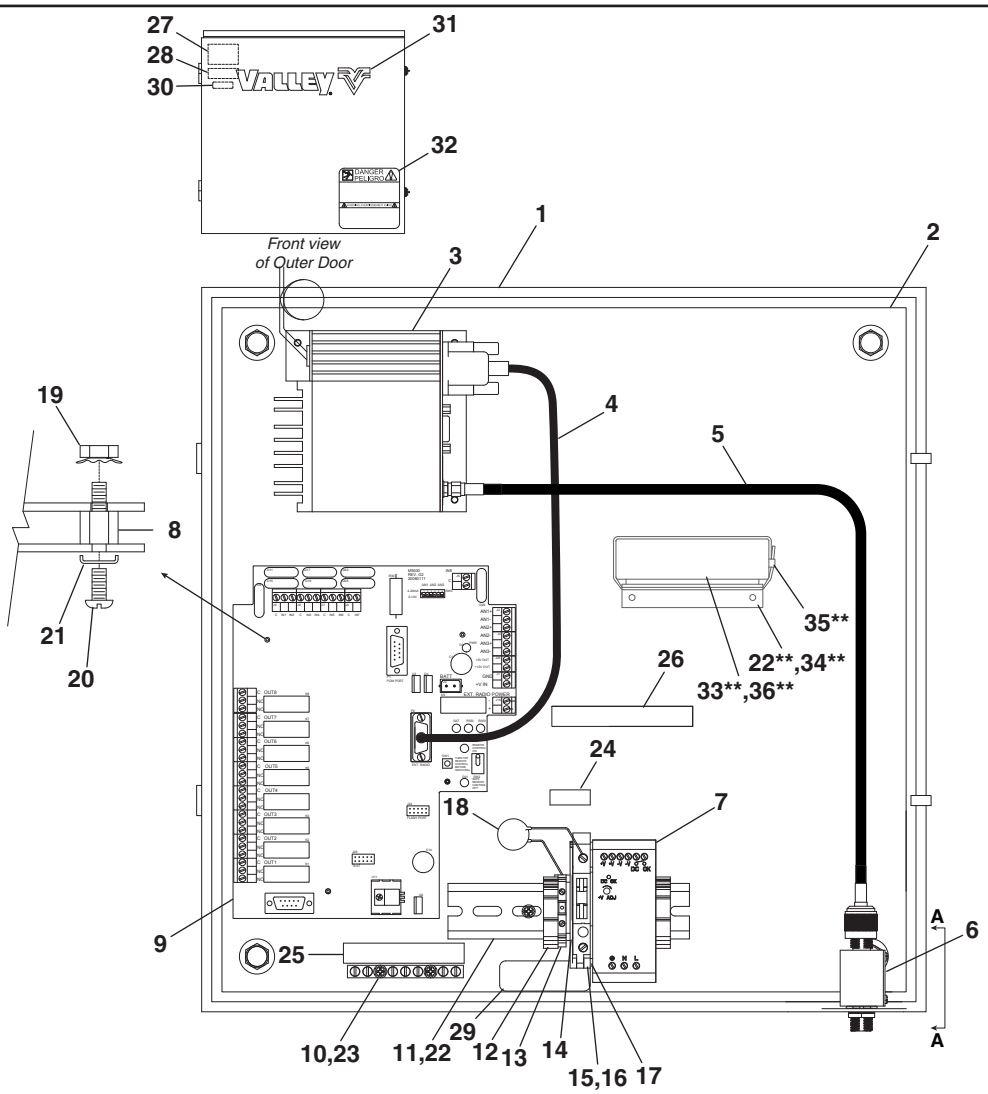
* NOTE: Parts included in Dataradio Kits.

** NOTE: Parts included in Optional Battery Kit


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For Reference ONLY

| Functional Area Reference | Assembly / Part | Rev# 07-18 |
|---|---|---|
| | Panel Link | |




| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Enclosure, 3R | 03E2074 * |
| 2 | Backpanel | 9310993 * |
| 3 | Dataradio VHF - 6.25/12.5 KHz 138-174 MHz | 03E3241 * |
| | Dataradio UHF - 6.25/12.5 KHz 440-476 MHz | 03E3242 * |
| | Dataradio UHF - 6.25/12.5 KHz 406-440 MHz | 03E3243 * |
| 4 | Serial Cable - DB9 Male to DB9 Female (6' Ext.) | 03E2445 * |
| 5 | Antenna Jumper - N Male to SMA | 03E2434 * |
| 6 | Antenna Surge Suppressor | 03E3209 * |
| 7 | Power Supply - Dinrail Mount 12V 60W | 03E3018 * |
| 8 | Standoff - Male-Female - OBSOLETE Jun 18 | 03E0446 * |
| 9 | Panel Link PCB - OBSOLETE Nov 17 | 03E1900 * |
| 10 | Ground Lug - 7 Terminal | 0315120 * |
| 11 | Din Rail Channel Mount - 5" Long | 9310693 * |
| 12 | Din Rail End Stop | 03E2996 * |
| 13 | Terminal Block - Din Rail Mounted | 03E2994 * |
| 14 | Terminal Stop End Cover | 03E2995 * |
| 15 | Fuseblock - Din Rail Mount 25A | 03E2997 * |
| 16 | Fuse - 2 Amp | 03E1669 * |
| 17 | Fuseblock End Cover | 03E2998 * |
| 18 | Transient Voltage Suppressor - 250V | 03E1782 * |
| 19 | #4 Hex Nut w/Lockwasher | 0134063 * |
| 20 | #4 x 1/4" Screw | 0164158 * |
| 21 | #4 Lock Washer | 0141037 * |
| 22 | #8 x 1/2" Self-Tapping Screw - Phillips Head | 0161355 * |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 23 | #8 x 7/8" Self-Tapping Screw - Phillips Head | 0161356 * |
| 24 | Decal - Fuseholder - 2.0A | 03E2463 * |
| 25 | Decal - Ground | 0992925 * |
| 26 | Decal - Copper Wire Only | 0994836 * |
| 27 | Decal - 3R Enclosure | 0996403 * |
| 28 | Decal - UL Spec. Nameplate 120V/5A | 0996505 * |
| 29 | Decal - Neutral / 120VAC Torque | 0996561 * |
| 30 | Decal - Main Disconnect Switch | 0996562 * |
| 31 | Decal - Valley Logo | 0997431 * |
| 32 | Decal - Danger High Voltage/Arc Flash Warning | 0999122 * |
| 33 | Battery - 12V 0.8AH (Optional) | 03E2272 |
| 34 | Bracket (Battery) (Optional) - OBSOLETE Nov 17 | 9311518 |
| 35 | Nylon Wire Tie - Black 14.5" Long (Optional) | 03E2004 |
| 36 | Hook and Loop (Optional) | 0996612 |

Dataradio Kit
- 6.25/12.5 KHz 138-174 MHz - OBS. Nov 17 ..... 933K947
- 6.25/12.5 KHz 440-476 MHz - OBS. Nov 17 ..... 933K948
- 6.25/12.5 KHz 406-440 MHz - OBS. Nov 17 ..... 932K315

Panel Link Battery Kit (Optional) - OBS Nov 17 ..... KA09819

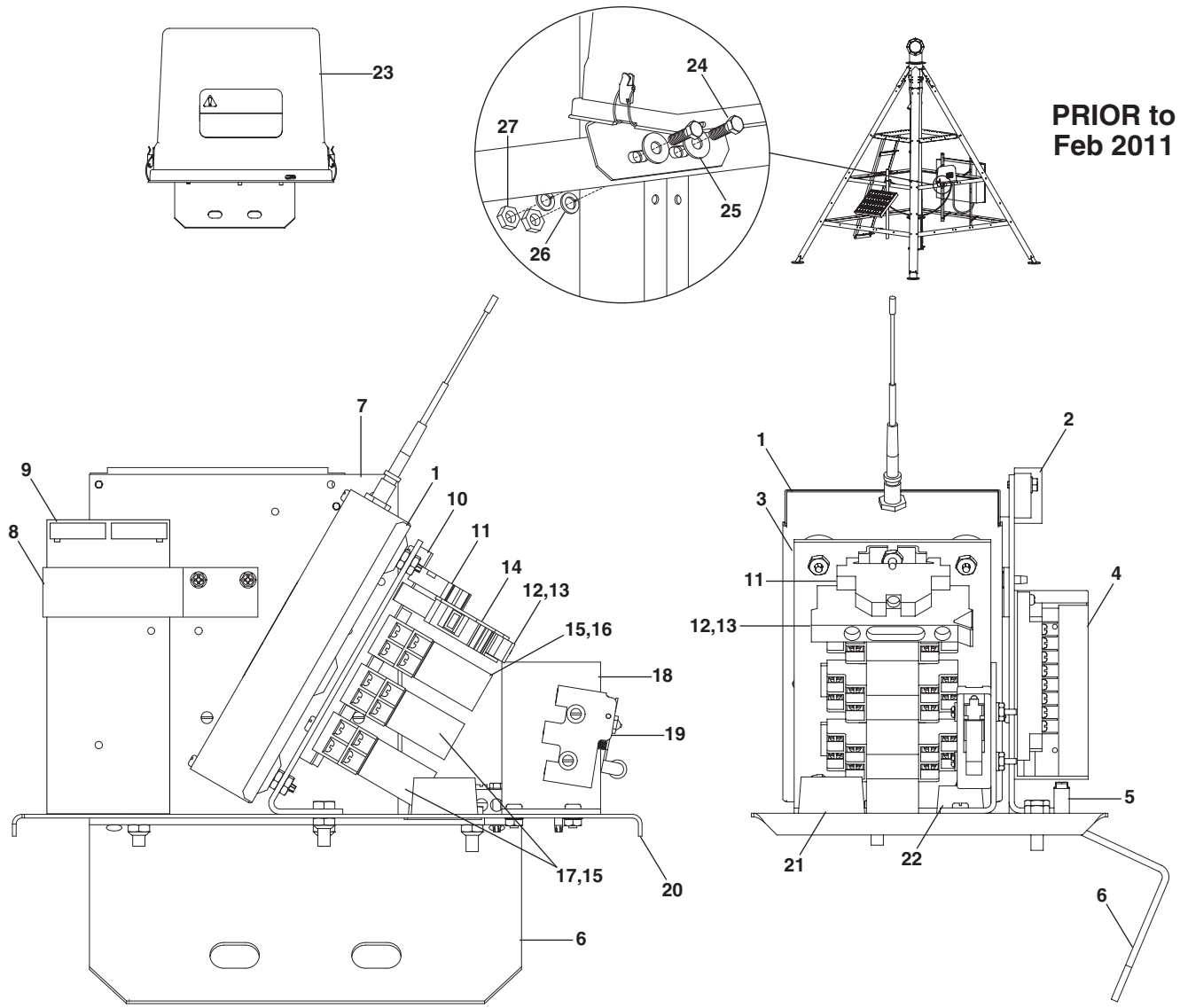
* NOTE: Parts included in Dataradio Kits.
** NOTE: Parts included in Optional Battery Kit


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| Functional Area Reference | Assembly / Part | Rev# 11-17 |
|---|---|---|
| | Cable Guard Monitor Tower Box & Mounting | |




| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | GSM Cable Guard Assm. | 03E2791 |
| 2 | Terminal Strip | 03E1649 |
| 3 | Tower Box Mount - PKN4Plus | 9362855 |
| 4 | Power Supply - 55W w/Batt. Charger | 03E2790 |
| 5 | Ground Lug | 0315120 |
| 6 | Pivot Mount Bracket | 9362856 |
| 7 | Vertical Plate | 9311608 |
| 8 | Battery Bracket (Obsoleted Dec. 2015) | 9311634 |
| 9 | Battery - 12V Rechargeable | 03E1774 [2] |
| 10 | Dinrail - 5" | 9310693 |
| 11 | Din Rail End Stop | 03E2996 |
| 12 | Dinrail Fuse Holder | 03E2997 |
| 13 | Fuse - 5Amp | 0314859 |
| 14 | Fuse Block End cover | 03E2998 |
| 15 | Relay - 12VDC | 03E2564 |
| 16 | Relay Socket | 03E2107 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 17 | Relay - 120V | 03E2105 |
| 18 | Switch Plate - OBSOLETE Nov 17 | 9311635 |
| 19 | Micro Switch | 0314213 |
| 20 | Bottom Plate | 1702216 |
| 21 | Caplug - #15 | 0261010 |
| 22 | Caplug - #12 | 0261008 |
| 23 | Tower Box Cover - UL | 9311146 |
| 24 | 1/2" x 1-1/2" Cap Screw | 0161026 [1] |
| 25 | 1/2" Flat Washer | 0142026 [1] |
| 26 | 1/2" Lock Washer | 0141005 [1] |
| 27 | 1/2" Hex Nut | 0131015 [1] |

[1] Pivot Box Mounting Hardware Kit (Obsoleted Dec. 2015) ... KA01387
[2] Cable Guard Mon. Tow. Box Elec. Kit (Obsoleted Dec. 2015) KA01388

COMPLETE Cable Guard Tower Box ..... 1814720


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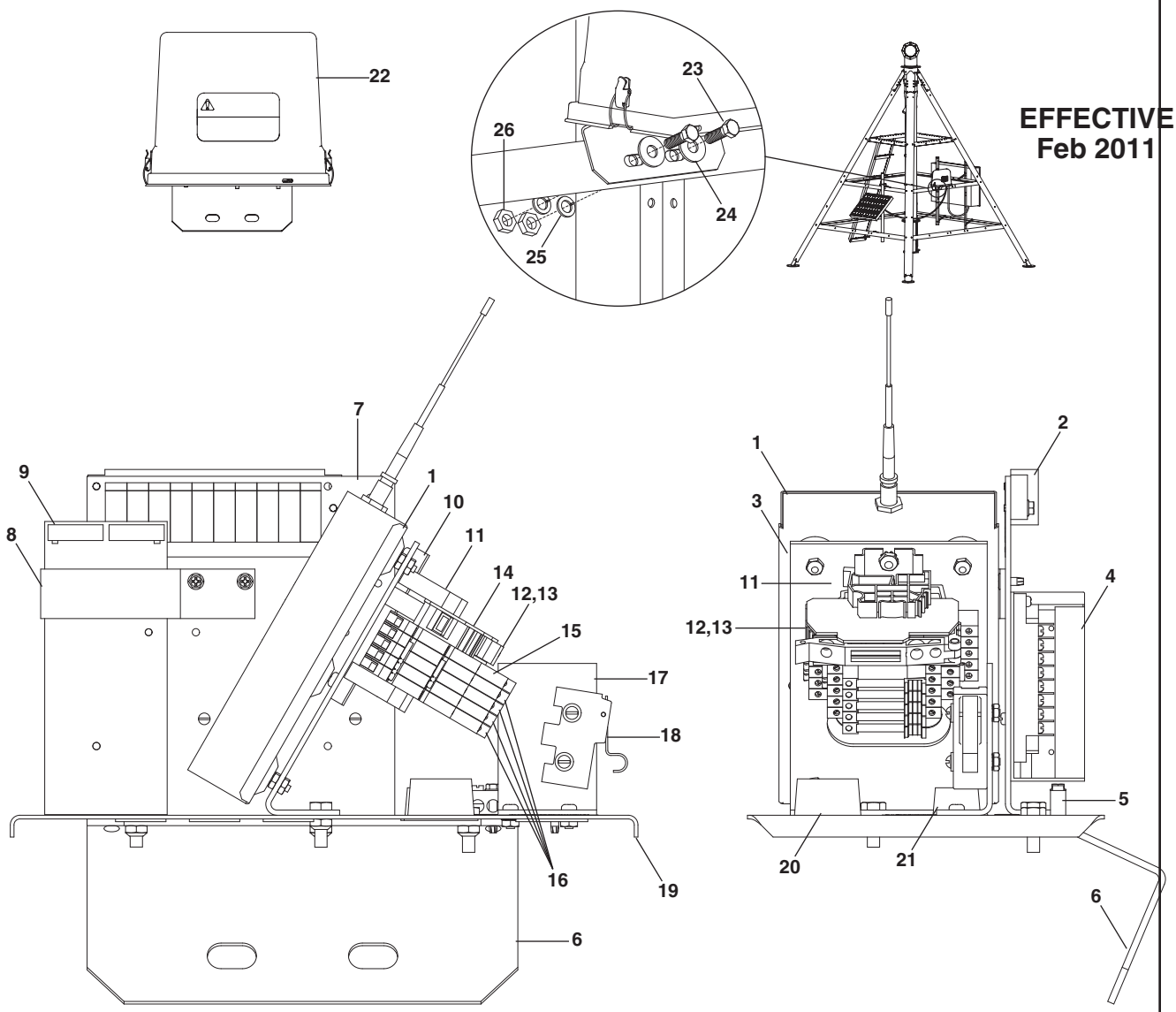
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**Functional Area Reference**

**Assembly / Part**
**Cable Guard Monitor Tower Box & Mounting**

**Rev# 11-17**

**EFFECTIVE Feb 2011**




| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | GSM Cable Guard Assm. | 03E2791 |
| 2 | Terminal Strip | 03E1649 |
| 3 | Tower Box Mount - PKN4Plus | 9362855 |
| 4 | Power Supply - 55W w/Batt. Charger | 03E2790 |
| 5 | Ground Lug | 0315120 |
| 6 | Pivot Mount Bracket | 9362856 |
| 7 | Vertical Plate | 9311608 |
| 8 | Battery Bracket (Obsoleted Dec 2015) | 9311634 |
| 9 | Battery - 12V Rechargeable | 03E1774 [2] |
| 10 | Dinrail - Adapter Mount Channel | 9311122 |
| 11 | Din Rail End Stop | 03E2996 |
| 12 | Dinrail Fuse Holder | 03E2997 |
| 13 | Fuse - 5Amp | 0314859 |
| 14 | Fuse Block End Cover | 03E2998 |
| 15 | Relay - 12VDC | 03E3107 |
| 16 | Relay - 120VAC w/Suppression | 03E2881 |

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 17 | Switch Plate - OBSOLETE Nov 17 | 9311635 |
| 18 | Micro Switch | 0314213 |
| 19 | Bottom Plate | 1702216 |
| 20 | Caplug - #15 | 0261010 |
| 21 | Caplug - #12 | 0261008 |
| 22 | Tower Box Cover - UL | 9311146 |
| 23 | 1/2" x 1-1/2" Cap Screw | 0161026 [1] |
| 24 | 1/2" Flat Washer | 0142026 [1] |
| 25 | 1/2" Lock Washer | 0141005 [1] |
| 26 | 1/2" Hex Nut | 0131015 [1] |

[1] Pivot Box Mounting Hardware Kit (Obsoleted Dec 2015) .... KA01387
[2] Cable Guard Mon.Tow. Box Elec. Kit (Obsoleted Dec 2015) KA01388
Tower Box Gasket Kit ..... 0992071

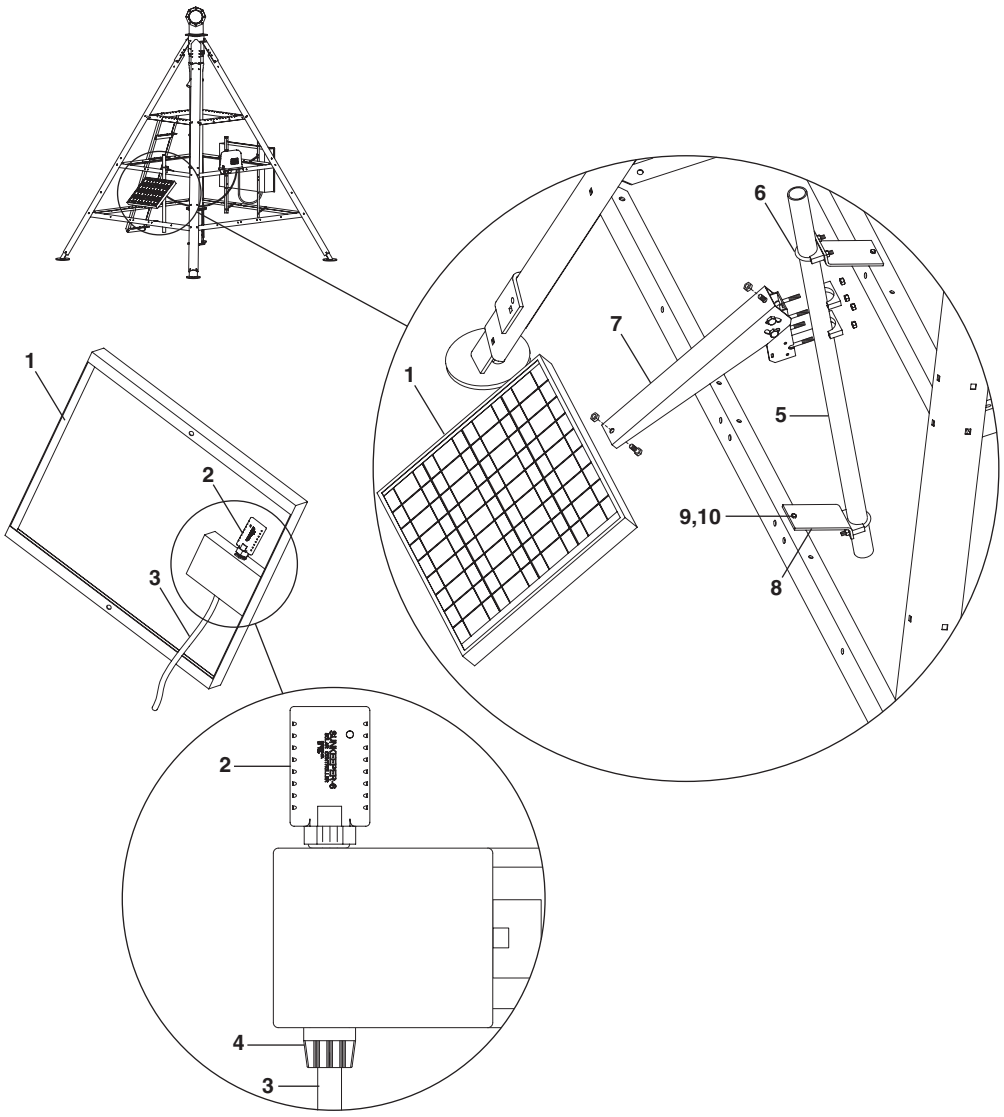
COMPLETE Cable Guard Tower Box ..... 1814720


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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Solar Module - 12V 40 Watt | 03E2793 |
| 2 | Solar Battery Controller - 6A 12V | 03E2792 [2] |
| 3 | Electrical Cable - 5 Cond. 14 Ga | 9310470 [2] |
| 4 | Strain Relief Hub | 03E2652 [2] |
| 5 | Solar Panel Mounting Bar | 9363548 |
| 6 | 2" Muffler Clamp | 0271070 [1] |
| 7 | Solar Module Mount - Adjustable | 0997632 |
| 8 | Solar Bar Mounting Bracket | 9363547 [1] |
| 9 | 3/8" x 1" Cap Screw | 0161045 [1] |
| 10 | 3/8" Lock Nut | 0133006 [1] |

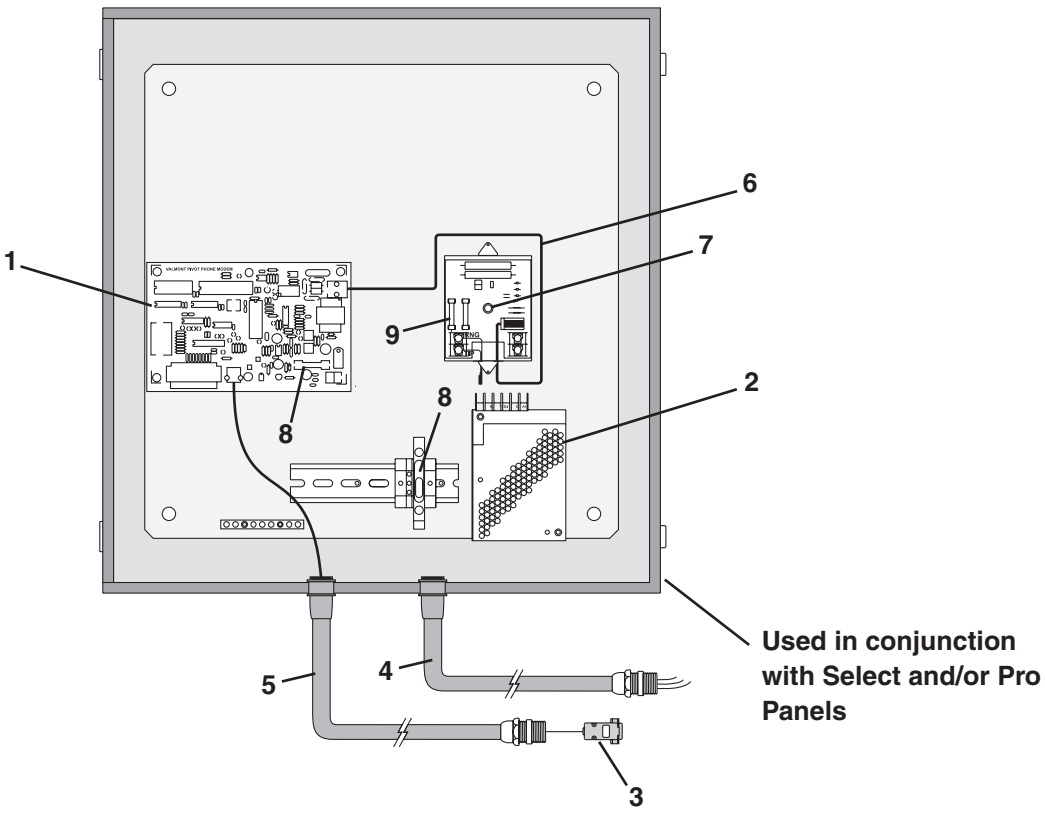
[1] Solar Module Mounting Hardware Kit ..... KA01389
[2] 40 Watt Solar Module Kit ..... KA01390


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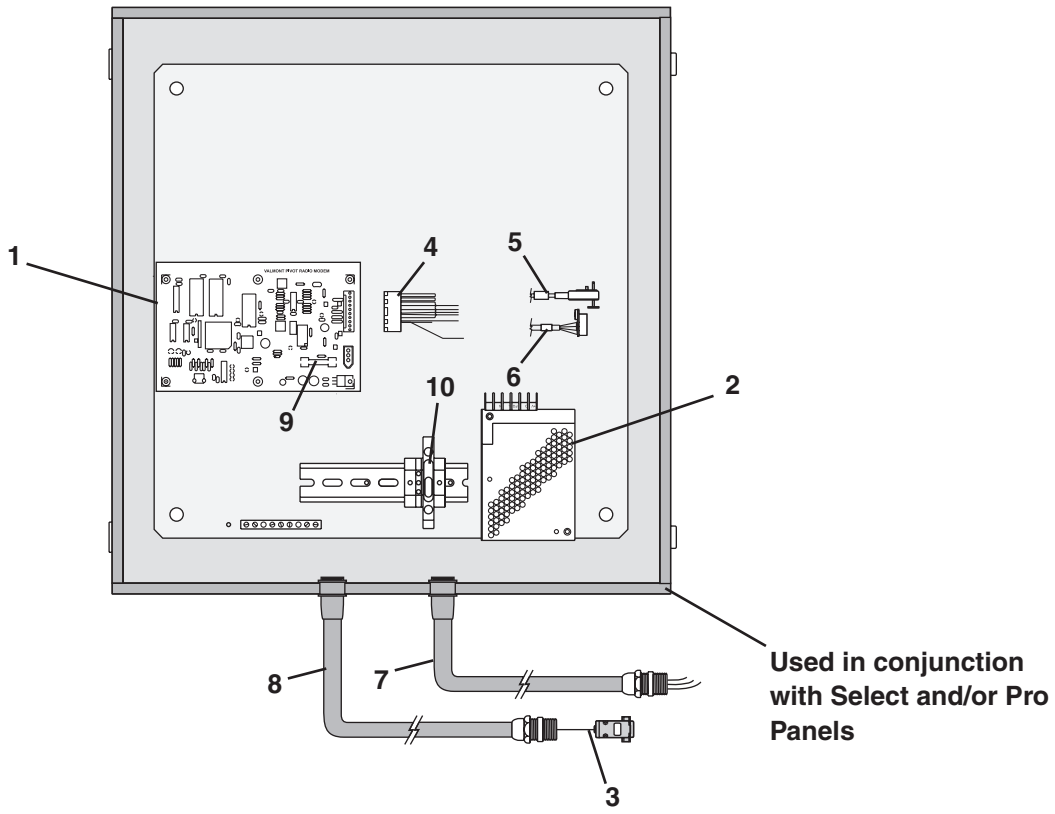

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Phone Modem Board - OBSOLETE Jun 18 | 03E1816 |
| 2 | Power Supply, 15 Volt, 3.4 Amp | 03E2075 |
| 3 | Serial Cable - 1200 Modems - OBSOLETE Jun 18 | 1813430 |
| 4 | Remote Communiations Power Installation Kit | KA01207 |
| 5 | C:A:M:S Serial Cable Kit - OBSOLETE Jun 18 | KA01210 |
| 6 | 2' Phone Cord for Land Line Installation | 03E1777 |
| 7 | Dead Bolt Surge Protector | 03E1772 |
| 8 | 1 Amp Fuse | 03E2081 |
| 9 | 1 Amp Fuse, Ceramic Body | 03E2091 |
| | COMPLETE Phone Modem Assm Kit - OBSOLETE Jun 18 | 931K302 |


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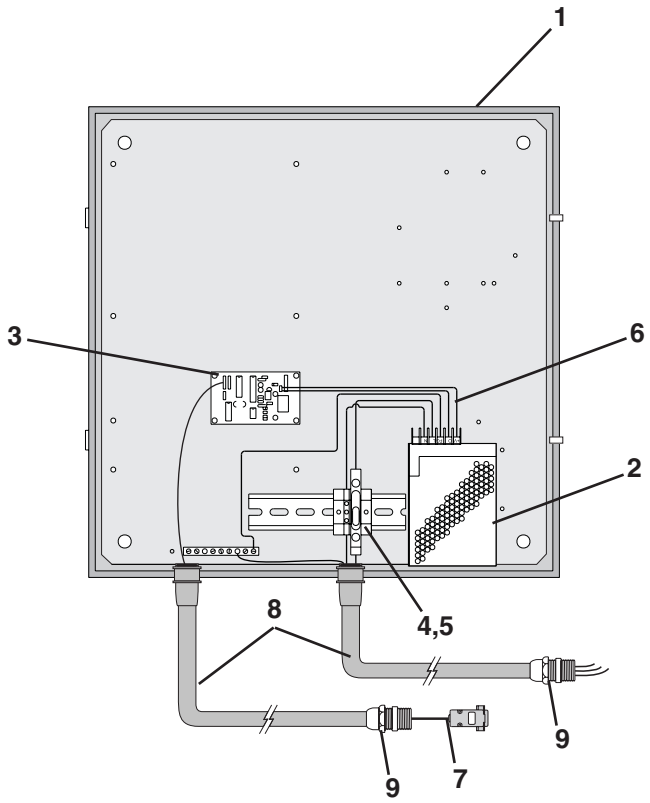

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Radio Modem Board - 1200 Baud - OBSOLETE Jun 18 | 03E1815 |
| 2 | Power Supply, 15 Volt, 3.4 Amp | 03E2075 |
| 3 | Serial Cable - 1200 Modems - OBSOLETE Jun 18 | 1813430 |
| 4 | Generic Radio to 1200 Radio Modem - OBSOLETED Nov. 15 | 1813456 |
| 5 | Bendix/King to 1200 Radio Modem - OBSOLETED Nov. 15 | 9310310 |
| 6 | Motorola to 1200 Radio Modem - OBSOLETED Nov. 15 | 9310378 |
| 7 | Remote Communiations Power Installation Kit | KA01207 |
| 8 | C:A:M:S Serial Cable Kit - OBSOLETE Jun 18 | KA01210 |
| 9 | 5 Amp Fuse | 0314859 |
| 10 | 1.0 Amp Fuse | 03E2081 |
| | COMPLETE Radio Modem Assm Kit - OBSOLETE Jun 18 | 931K301 |


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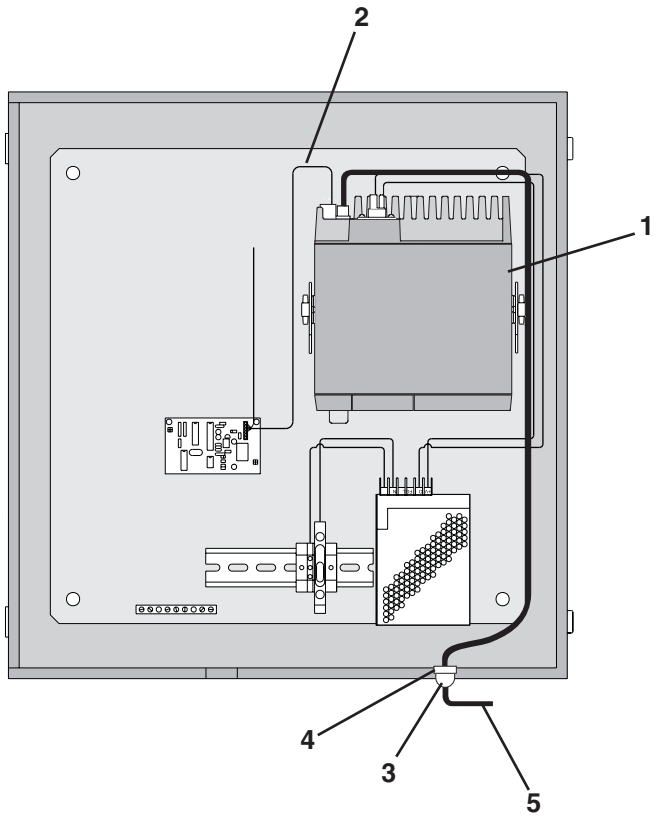

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | 20” x 20” x 8” 3R Enclosure | 03E2074 |
| 2 | 15V 3.4 Amp Power Supply | 03E2075 |
| 3 | Valmont 300 Modem - OBSOLETE Jun 18 | 03E1455 |
| 4 | Fuse Holder - OBSOLETED Aug 2010 | 03E1964 |
| 5 | 1 Amp Fuse | 03E2081 |
| 6 | Valmont 300 Modem Power Harness - OBSOLETE Jun 18 | 03E2234 |
| 7 | Valmont 300 Modem Serial Cable - OBSOLETED Dec 2016 | 03E1495 |
| 8 | Flex Conduit | 1813438 |
| 9 | Non-Metallic Straight Fitting - OBSOLETED Feb 19 | 03E0415 |
| | Valmont 300 Conversion Package (Items 3,6,7,8,9) | 0000E05 |
| | CAMS Pro/Select Installation Kit (7,8,9) - OBSOLETED Dec 16 | KA01293 |
| | Valmont 300 Remote Assembly (Items 1,2,3,4,5,6) - OBS. Jun 18 | 9310672 |


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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Motorola GM300 | 03E1914 |
| 2 | GM300 to Valmont 300 Harness - OBSOLETE Jun 18 | 03E2072 |
| 3 | Liquid Tight Straight Fitting | 03E1517 |
| 4 | Romax Nut | 0314160 |
| 5 | Mini UHF to UHF - 16' | 1813925 |


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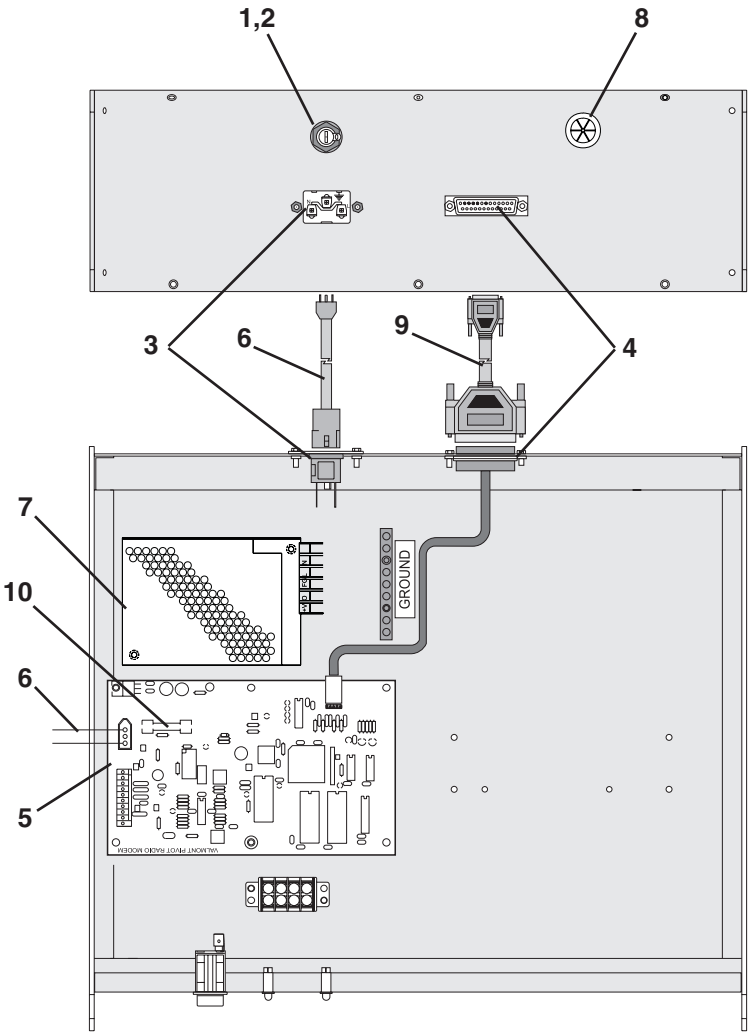
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OBSOLETE

**EFFECTIVE**
**July 1999**




| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Quick Connect Fuseholder | 03E0248 |
| 2 | 1 Amp. Fuse | 03E2081 |
| 3 | Power Plug, Male | 03E1431 |
| 4 | Cable, 5 Cond. 5 Pin HGS/25 Pos. DSUB - OBSOLETE Jun 18 | 9310306 |
| 5 | Radio Modem - 1200 Baud - OBSOLETE Jun 18 | 03E1815 |
| 6 | Valmont 1200 Modem Power Harness - OBSOLETE Jun 18 | 9310311 |
| 7 | Power Supply - 15 V, 3.4 Amp. | 03E2075 |
| 8 | Universal Bushing | 03E2080 |
| 9 | Cable, 25 Pin, D-Sub/9 Pin, D-Sub Female | 03E1507 |
| 10 | 5 Amp Fuse | 0314859 |

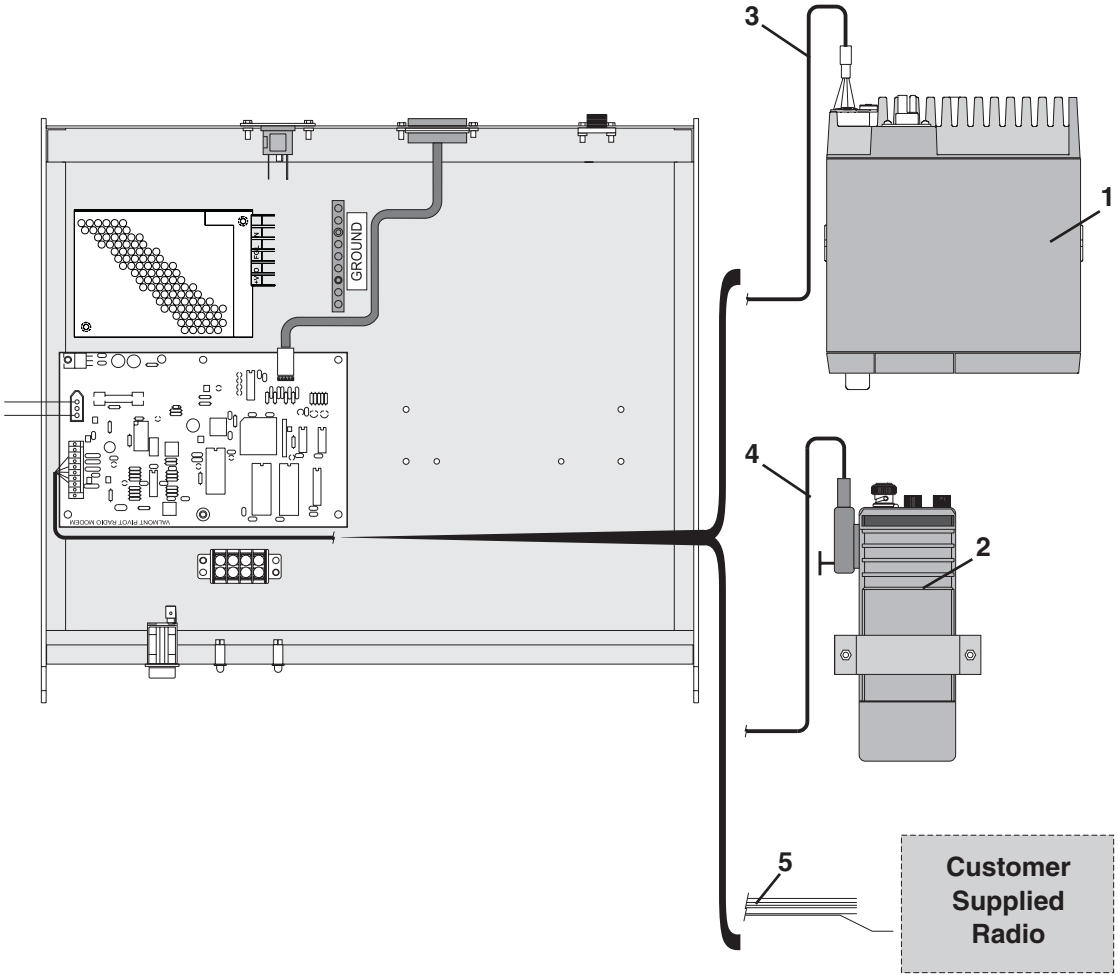

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OBSOLETE




| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Motorola | 03E1914 |
| 2 | Bendix King - OBSOLETED Nov. 15 | 1813102 |
| 3 | GM300 to Valmont 1200 Modem Harness | 9310378 |
| 4 | Bendix King Harness to Valmont 1200 Modem - OBSOLETED Nov. 15 | 9310310 |
| 5 | 10 Pin Radio Harness, Generic Radio - OBSOLETED Nov. 15 | 1813456 |
| | COMPLETE Radio Harness Installation Kit (Item 5) | KA01220 |



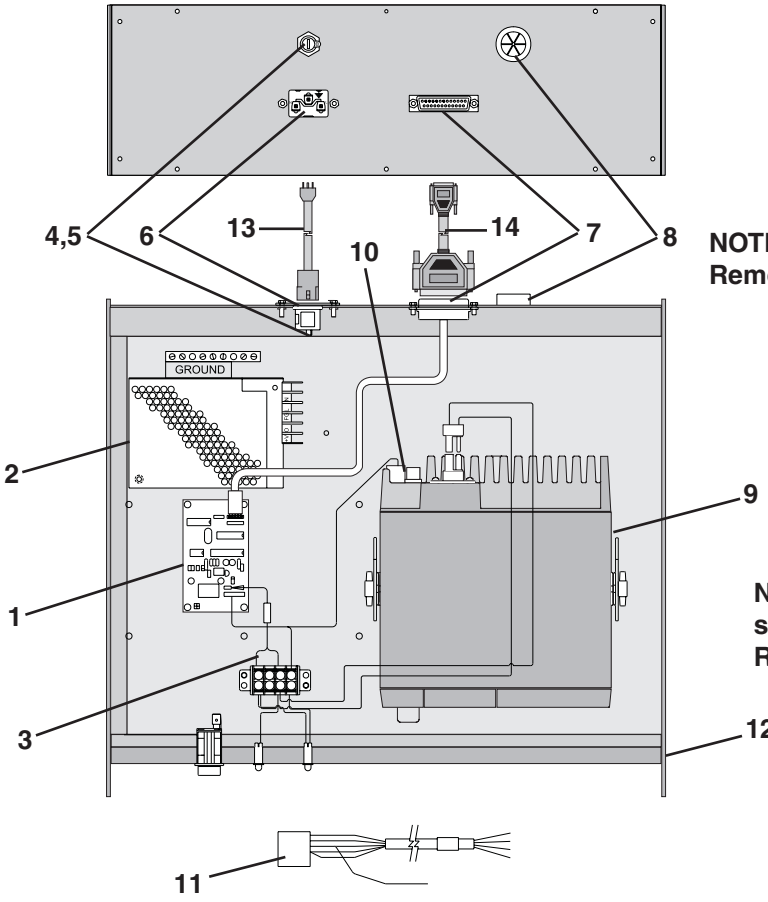
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NOTE: Not for use with Remote Link.

NOTE: Base Station shown w/Motorola Radio installed.

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Valmont 300 Modem - OBSOLETE Jun 18 | 03E1455 |
| 2 | 15V 3.4 Amp. Power Supply | 03E2075 |
| 3 | Valmont 300 Modem Power Harness - OBSOLETE Jun 2016 | 03E2077 |
| 4 | Fuse Holder | 03E0248 |
| 5 | 1 Amp. Fuse | 03E2081 |
| 6 | Power Plug | 03E1431 |
| 7 | Sub Connector (25), Modular Housing - OBSOLETE Jun 18 | 1812992 |
| 8 | Universal Bushing | 03E2080 |
| 9 | VHF Motorola GM300 w/Power Harness & Mounting | 03E1914 |
| 10 | Motorola GM300 to Valmont 300 Harness - OBSOLETE Jun 18 | 03E2072 |
| 11 | Harness, Generic Radio to Valmont 300 - OBSOLETE Jun 18 | 03E2073 |
| 12 | Base Station Enclosure Kit | 931K529 |
| 13 | Power Cord - OBSOLETE Jun 18 | 9310311 |
| 14 | Modem Cable | 03E1507 |
| | Valmont GM300 to Valmont 300 Install Kit (Items 9,10) - OBSOLETE Jun 18 | KA01294 |
| | Valmont 300 Base Station w/o Radio | 9310674 |
| | Valmont 300 to Generic Radio Kit (Item 11) - OBSOLETE Jun 18 | KA01295 |


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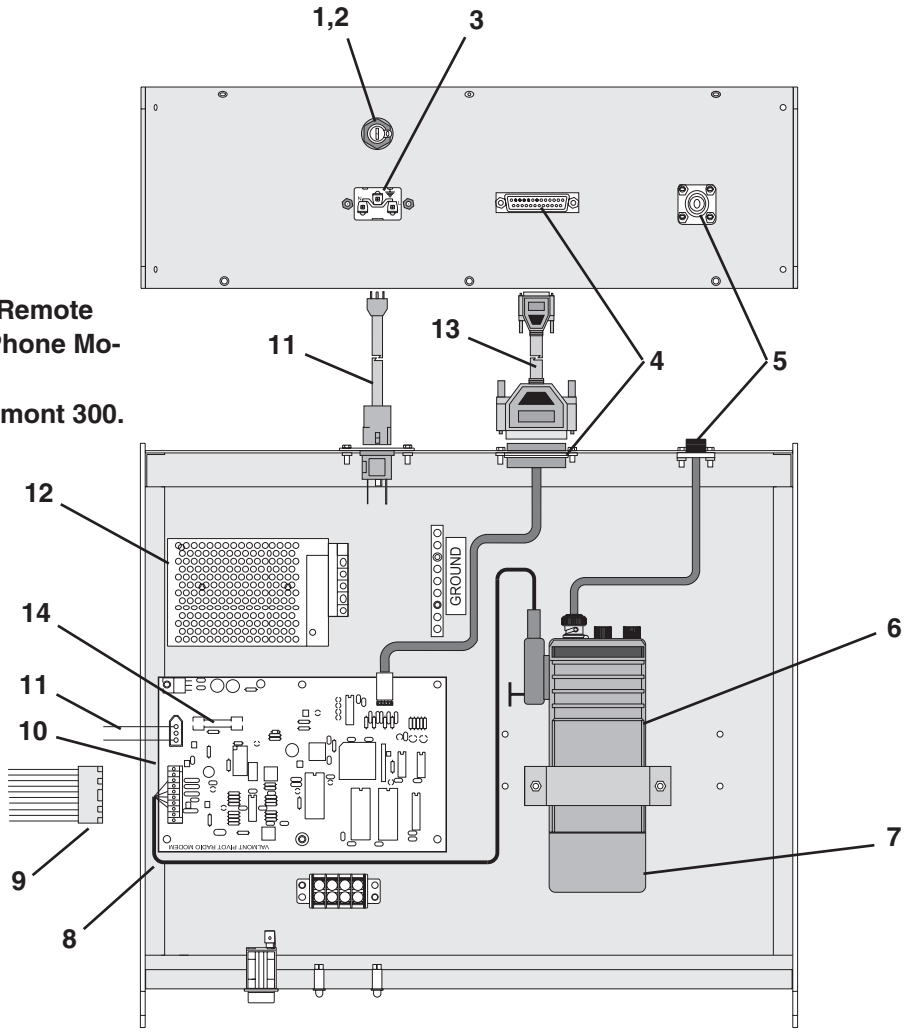


# Valley 1200 Base Station

OBSOLETE

**EFFECTIVE**
**December 1997**
**to**
**July 1999**

NOTE: Used w/Remote Link or Radio/Phone Modems.
Not used w/ Valmont 300.




| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Quick Connect Fuseholder | 03E0248 |
| 2 | 3/8 AMP Fuse | 0315017 |
| 3 | Power Plug, Male | 03E1431 |
| 4 | Cable, 5 Cond. 5 Pin HGS/25 Pos. DSUB - OBSOLETE Jun 18 | 9310306 |
| 5 | RG58 Cable, BNC Plug, UHF Receptacle - OBSOLETE Jun 18 | 9310309 |
| 6 | Radio, Programmed VHF 2 Watt 14 Channel - OBSOLETED Nov. 15 | 1813102 |
| 7 | Battery Eliminator - OBSOLETE | 03E1365 |
| 8 | Cable Assembly, 4 Cond. Side Conn./6 Pin HSG. - OBSOLETED Nov. 15 | 9310310 |
| 9 | Generic Radio to 1200 Radio Modem - OBSOLETED Nov. 15 | 1813456 |
| 10 | Radio Modem - 1200 Baud - OBSOLETE Jun 18 | 03E1815 |
| 11 | Valmont 1200 Modem Power Harness - OBSOLETE Jun 18 | 9310311 |
| 12 | Power Supply Case, 15 Volt | 03E1799 |
| 13 | Modem Cable | 03E1507 |
| 14 | 5 Amp Fuse | 0314859 |
| | Valley 1200 w/Bendix King Radio | 931K513 |


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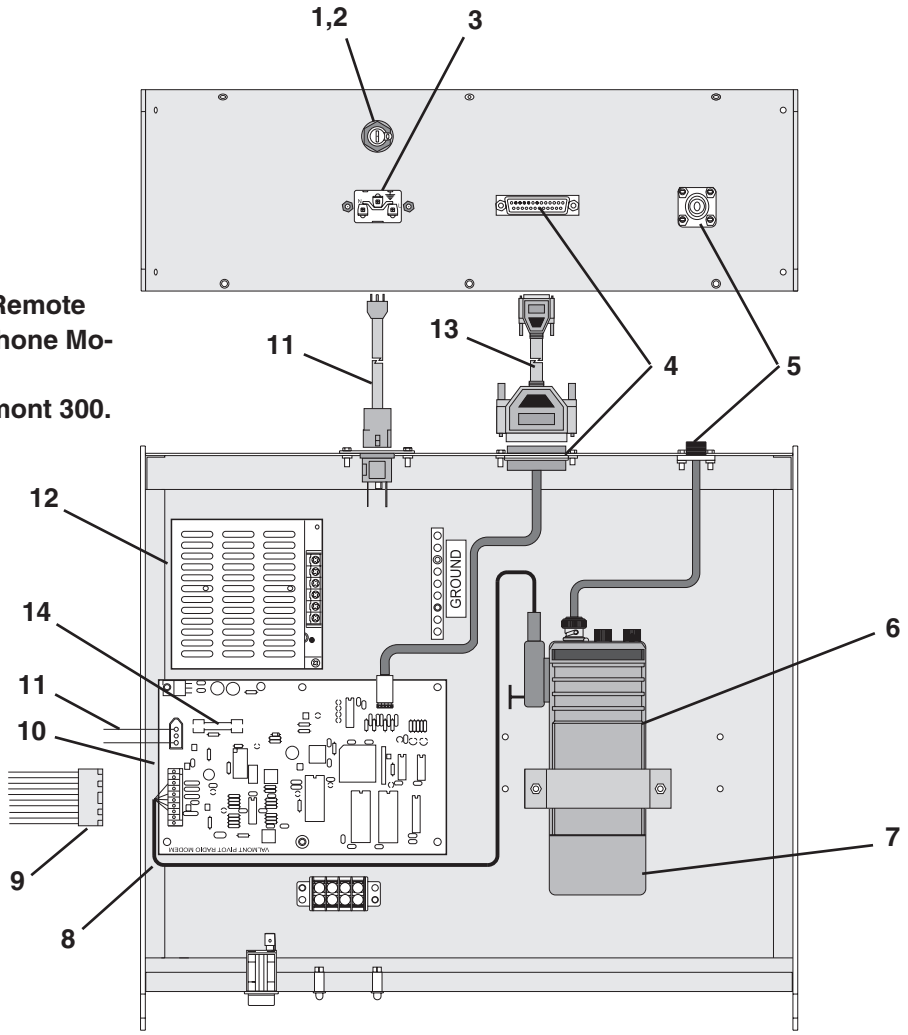
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**EFFECTIVE**
**December 1996**
**to**
**December 1997**

NOTE: Used w/Remote Link or Radio/Phone Modems.
Not used w/Valmont 300.



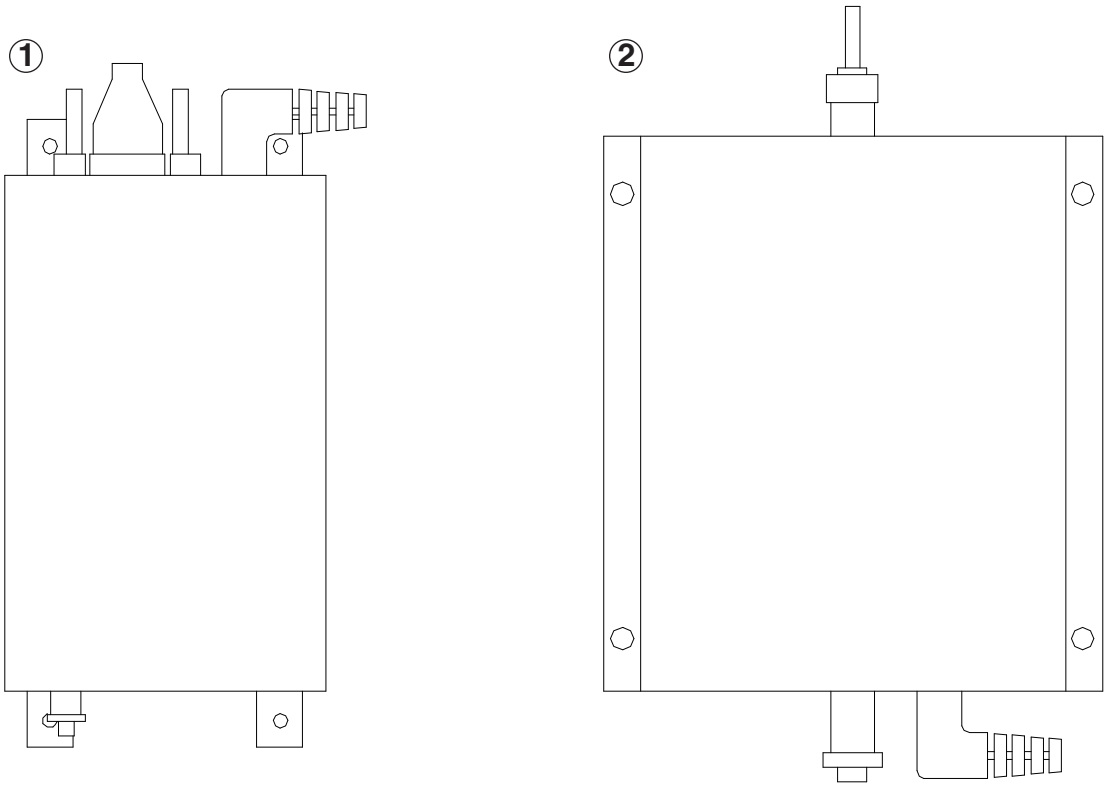

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Quick Connect Fuseholder | 03E0248 |
| 2 | 3/8 AMP Fuse | 0315017 |
| 3 | Power Plug, Male | 03E1431 |
| 4 | Cable, 5 Cond. 5 Pin HGS/25 Pos. DSUB - OBSOLETE Jun 18 | 9310306 |
| 5 | RG58 Cable, BNC Plug, UHF Receptacle - OBSOLETE Jun 18 | 9310309 |
| 6 | Radio, Programmed VHF 2 Watt 14 Channel - OBSOLETED Nov. 15 | 1813102 |
| 7 | Battery Eliminator - OBSOLETE | 03E1365 |
| 8 | Bendix King to 1200 Radio Modem - OBSOLETED Nov. 15 | 9310310 |
| 9 | Generic Radio to 1200 Modem - OBSOLETED Nov. 15 | 1813456 |
| 10 | Radio Modem - 1200 Baud - OBSOLETE Jun 18 | 03E1815 |
| 11 | Valmont 1200 Modem Power Harness - OBSOLETE Jun 18 | 9310311 |
| 12 | Power Supply Case - 12 Volt 1.2A | 03E1429 |
| 13 | Modem Cable | 03E1507 |
| 14 | 5 Amp Fuse | 0314859 |
| | Valley 1200 w/Bendix King Radio | 931K513 |


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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | CDMA Digital Cellular Modem - Alltel | 03E2546 |
| | CDMADigital Cellular Modem - Verizon | 03E2552 |
| 2 | Dual Band Cellular Amplifier | 03E2545 |

* Alltel Digital Cellular Modem for Control Panels Kit (w/Hardware) - OBSOLETE ..... KA09632
* Verizon Digital Cellular Modem for Control Panels Kit (w/Hardware) - OBSOLETE ..... KA09633
* Alltel Digital Cellular Modem for Auxiliary Link & Multilink (w/Hardware) - OBSOLETE..... KA09616
* Verizon Digital Cellular Modem for Auxiliary Link & Multilink (w/Hardware) - OBSOLETE.... KA09617
** Cellular Amplifier w/Hardware ..... KA09615

* NOTE: Includes Cellular Modem
** NOTE: Includes Cellular Amplifier

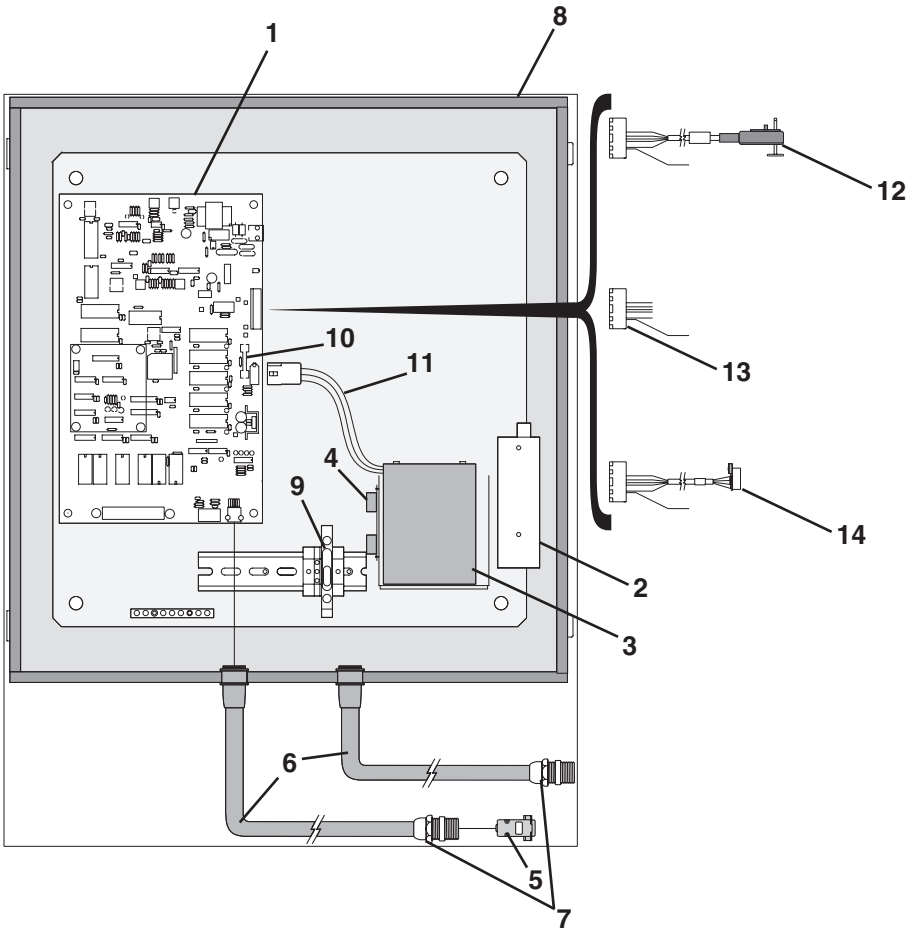

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OBSOLETE



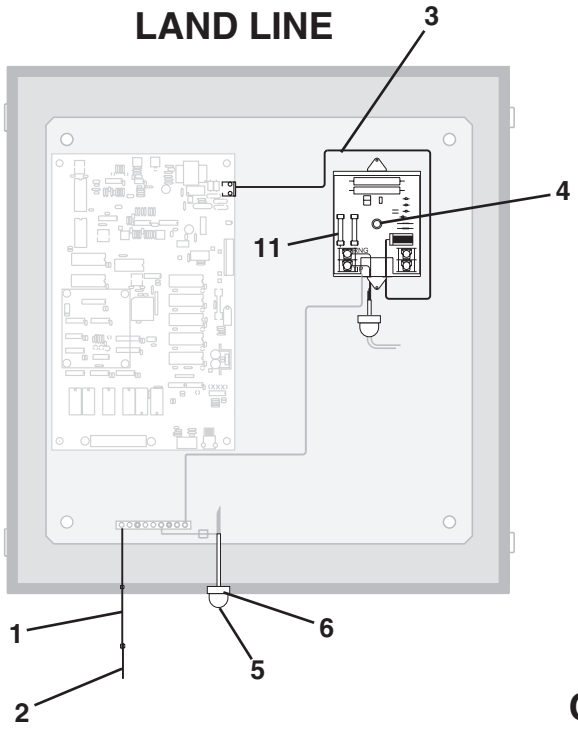

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Pivot Alarm Controller Board | 03E1776 |
| 2 | Power Supply, 15 Volt 3.4 Amp | 03E2075 |
| 3 | Rechargeable Battery (Optional) | 03E1774 |
| 4 | Battery Back Charger Board (Optional) | 03E1773 |
| 5 | Serial Cable, CAMS 8000/6000 Comm. - OBSOLETE Jun 18 | 1813430 |
| 6 | Flex Conduit | 1813438 |
| 7 | Straight Fitting - OBSOLETED Feb 19 | 03E0415 |
| 8 | Remote Link w/o Battery (incl. items 1, 2 & 4) | 931K295 |
| | Remote Link w/o Battery (incl. items 1 & 2) | 931K288 |
| 9 | 1 Amp Fuse | 03E2081 |
| 10 | 5 Amp Fuse | 0314859 |
| 11 | Remote Link Power Harness w/Battery Backup | 9310989 |
| 12 | Bendix King to 300 Radio Modem - OBSOLETED Nov. 15 | 9310310 |
| 13 | Generic Radio to 1200 Radio Modem - OBSOLETED Nov. 15 | 1813456 |
| 14 | Motorola GM300 to 1200 Modem | 9310378 |
| | Standard 8000 Relay Control Wire Harness | KA01211 |
| | Standard 6000 Relay Control Wire Harness | KA01222 |
| | Remote Communications Power Installation Kit | KA01207 |
| | C:A:M:S Serial Cable Kit - OBSOLETE Jun 18 | KA01210 |

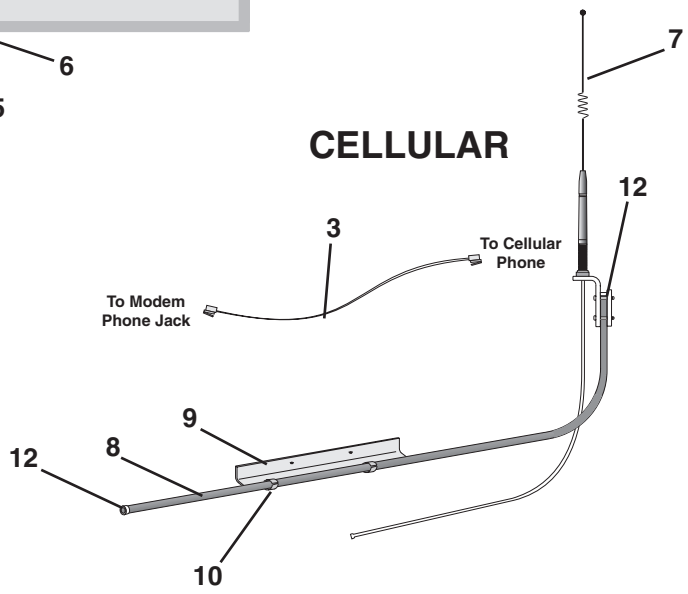

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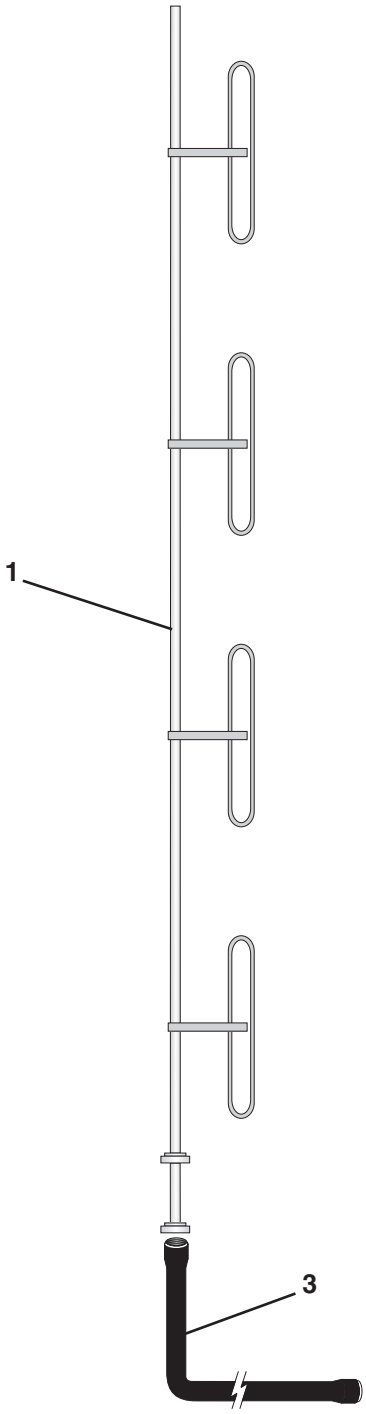

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Ground Rod Hardware | KA00032 |
| 2 | Ground Rod - 5/8" x 10' Long | 0314910 |
| 3 | Phone Cord, 2' | 03E1777 |
| 4 | Dead Bolt Surge Protector | 03E1772 |
| 5 | Liquid Tight Fitting | 03E1517 |
| 6 | Romax Nut | 0314160 |
| 7 | Antenna w/Bracket Mount and 15' Cable | 03E1681 |
| 8 | Metalic Tubing | 1703621 |
| 9 | Conduit Mounting Bracket | 1703727 |
| 10 | Parallel Clamp | 0993669 |
| 11 | 1 Amp Fuse, Ceramic Body | 03E2091 |
| 12 | Insulating Bushing, 1" Mount | 0192072 |
| | COMPLETE Lightning Protection Kit(Items 1,3,4) | KA01209 |

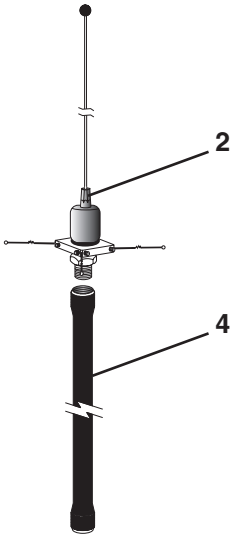

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| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Antenna, Base 6-8.1db Omni/Directional | 03E2083 |
| 2 | Antenna, Base VHF Omni | KA01124 |
| 3 | Cable, Coaxial Mini UHF to N 60' | 1813930 |
| | Cable, Coaxial Mini UHF to N 75' | 1813929 |
| 4 | Cable, Coaxial Mini UHF to UHF 60' | 1813928 |
| | Cable, Coaxial Mini UHF to UHF 75' | 1813927 |

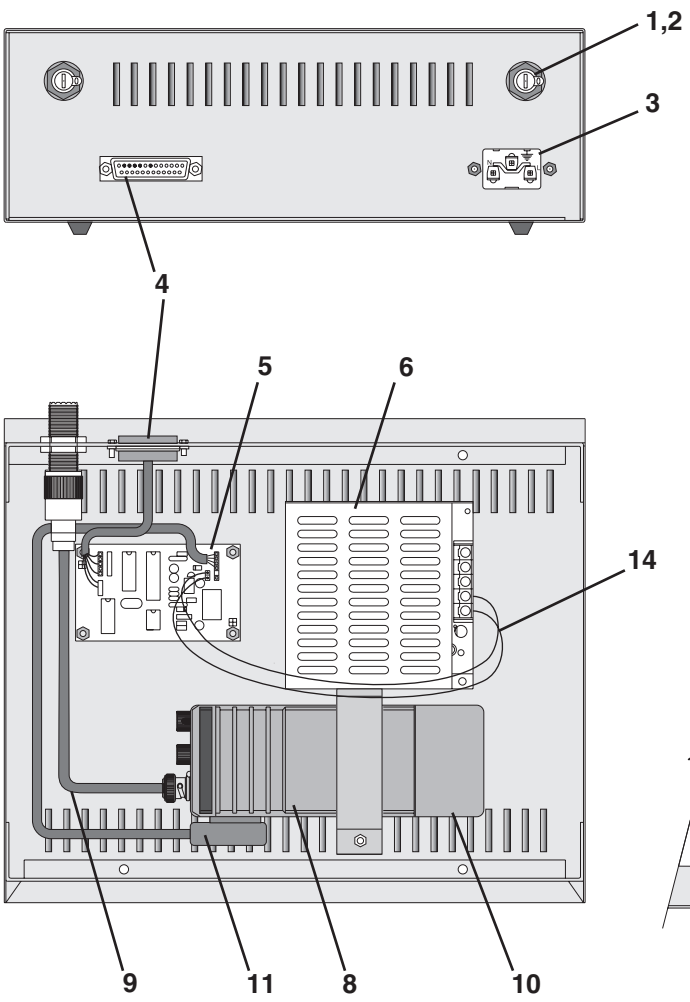

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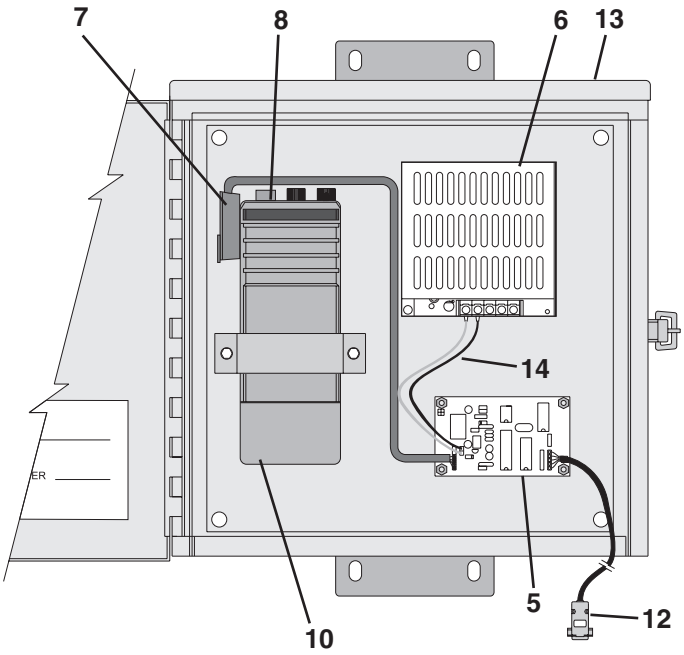


## Base Station




PRIOR TO
December 1996

## R.T.U.



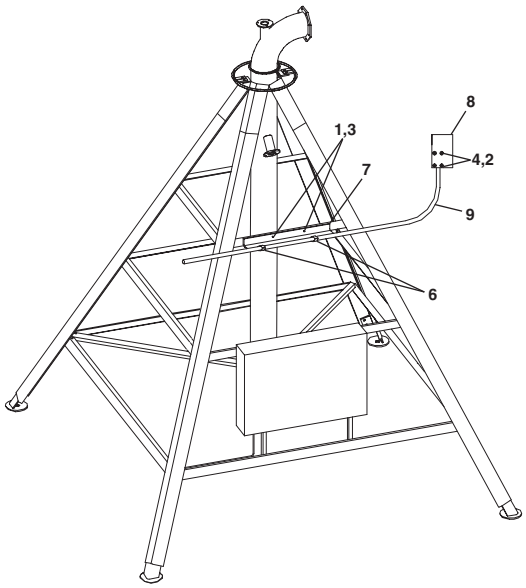

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Fuseholder, Quick Connect | 03E0248 |
| 2 | 3/8 AMP Fuse | 0315017 |
| 3 | Power Plug, Male | 03E1431 |
| 4 | Modem Data Harness - OBSOLETE Jun 18 | 1812992 |
| 5 | Valmont 300 Radio Modem PCB | 03E1455 |
| 6 | Power Supply Case, 12 Volt | 03E1429 |
| 7 | Side Connector Assembly, Remote Module Housing - OBSOLETE Jun 18 | 1813076 |
| 8 | Radio Programmed VHF, 2 Watt, 2 Channel - OBSOLETE Nov 15 | 1813102 |
| 9 | Coaxial Cable Assembly RG58 | 03E1223 |
| 10 | Battery Eliminator | 03E1365 |
| 11 | Side Connector Assembly, Base - OBSOLETE Jun 16 | 1813077 |
| 12 | Radio Remote Serial Cable - OBSOLETE Dec 16 | 03E1495 |
| 13 | RTU Enclosure | 03E0376 |
| 14 | Modem Power Harness | 1813009 |
| | C:A:M:S Remote Radio Kit w/o/Radio (Items 5,6,13,14) - OBSOLETE Dec 16 | KA01175 |
| | C:A:M:S Remote Radio Kit w/Radio Freq. (Items 5,6,7,8,10,13,14) | KA01131 |


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## SPREAD SPECTRUM RADIO MOUNTING KIT

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | 1/2"-13UNC Lock Nut | 0133005 |
| 2 | 5/16" Flat Washer | 0142017 |
| 3 | 1/2" x 1-1/4" Cap Screw | 0161027 |
| 4 | 5/16"-18 x 1.38" x 2.19" U-Bolt | 0176064 |
| 5 | Cable Tie - 11" Long (not shown) | 0314834 |
| 6 | 1" Parallel Clamp | 0993669 |
| 7 | Mounting Bracket Conduit | 1703727 |
| 8 | Mounting Plate | 9311129 |
| * 9 | 90° Metallic Tubing | 1703621 |

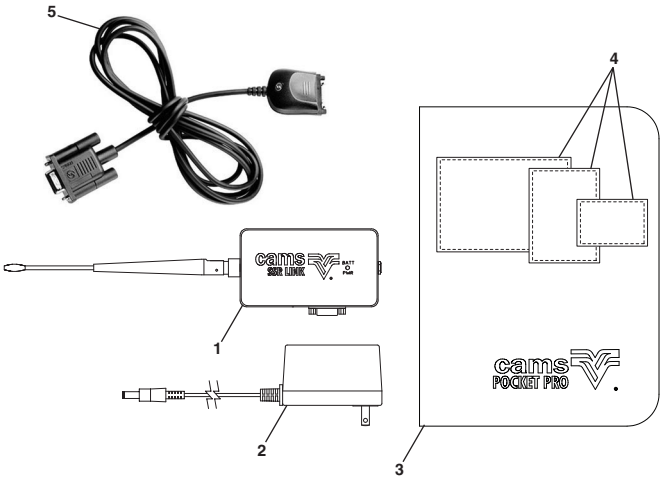
Spread Spectrum Radio Mounting Kit ..... 0000L62
OBSOLETED Apr 2018 ..... KA09569

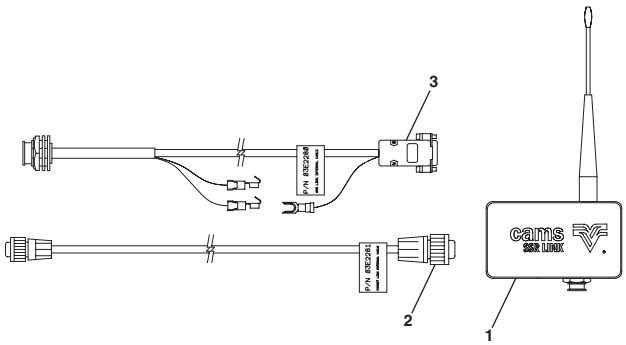
*NOTE: Item 9 not included in kit.

## SPREAD SPECTRUM RADIO LINK KIT FOR PALM HANDHELD

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Spread Spectrum Radio | 03E2278 |
| 2 | Battery Charger | 03E2457 |
| 3 | CAMS Pocket Pro Case - OBSOLETE Jun 2016 | 03E2458 |
| 4 | Removable Pockets w/Hook Fabric | N/A |
| 5 | Serial Hotsync Cable - OBSOLETE Jun 2016 | 03E2461 |
| 6 | Hook and Loop Fabric (not shown) | 0996612 |

Spread Spectrum Radio Link Kit for Palm Handheld - OBSOLETE Jun 2016 ..... KA09570




## SPREAD SPECTRUM RADIO LINK KIT

| ITEM | DESCRIPTION | PART # |
|---|---|---|
| 1 | Spread Spectrum Radio | 03E2279 |
| 2 | Internal Cable | 03E2280 |
| 3 | External Cable | 03E2281 |

Spread Spectrum Radio Link Kit ..... KA09571


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