

Injection Firmware Update Kit 71-1146-xx4 (V4.04)

	Yes	No
Changes to Wonderware CSV Files		X
Changes to Concept CSV Files		X
Changes to Modfile		X

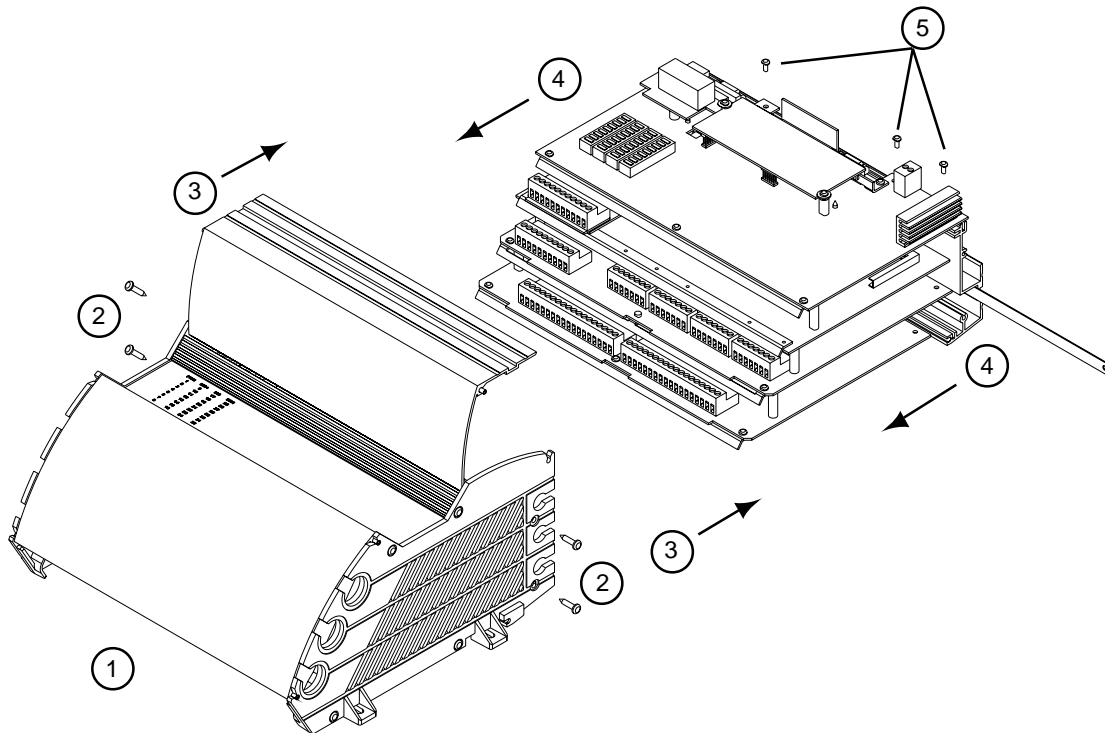


WARNING:

Hazardous extraneous voltage capable of causing severe injury or death may exist between sensor leads and ground. Disconnecting the instrument power may not remove this voltage. Measure for the presence of voltage between each sensor lead and ground before servicing. Do NOT place power wiring in the same conduit or wiring trough with sensor wiring.

NOTICE:

Class 2 Wiring must be separated a minimum of 1/4 inch from any Class 1 conductors.



Attention:

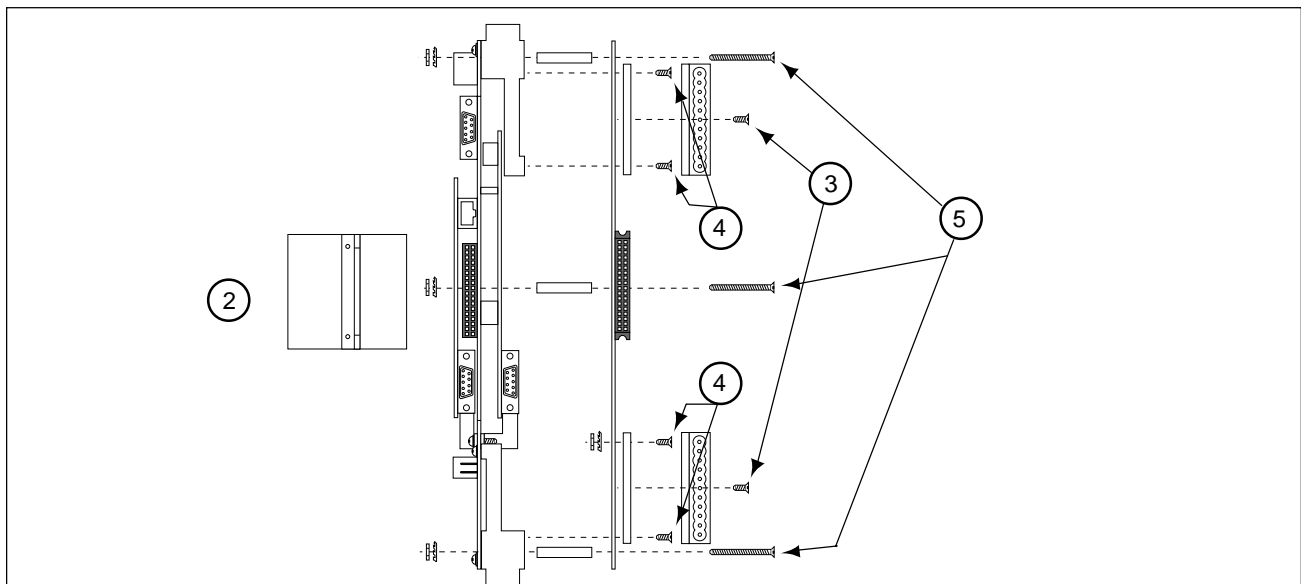
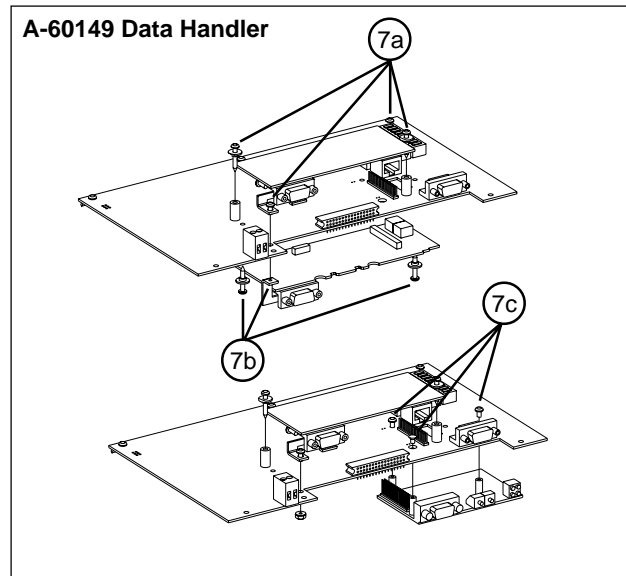
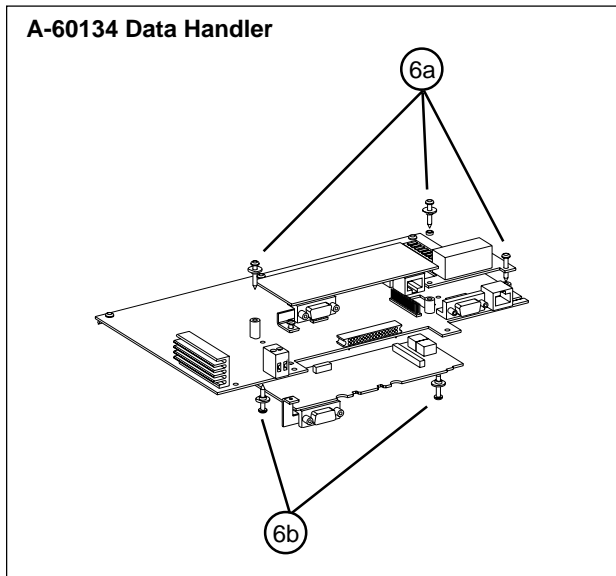
Observe proper ESD precautions! Place the ASB assembly on an ESD mat and attach a wrist strap to the ground strap on the ASB.

1. Remove all field wiring connectors from the PCBs.
2. Remove the 2 screws from each side of the ASB.
3. Carefully slide the entire assembly out of the enclosure.
4. Boards in the bottom 3 slots can be removed by carefully pulling them forward off the motherboard connectors.
5. The Data Handler assembly is held in place by 3 screws.

Figure 1. Installing and Removing Boards in an ASB

6. On the A-60134 data handler, the communications board and battery are held in place by 3 screws and the processor board is held in place by 2 screws.

7. On the A-60149 data handler, the communications board is held in place by 4 screws and the processor board (if present) is held in place by 2 screws and a threaded bracket. The Anybus board (if present) is held in place by 3 screws.



Attention:

Observe proper ESD precautions! Place the data handler block assembly on an ESD mat and attach a wrist strap to the assembly.

1. Remove all field wiring connectors from the PCBs.
2. Remove the "connector board" from the front of the assembly.
3. Remove any daughterboards from the carrier board (remove the single screw holding the daughterboard in place and carefully pull forward off the connector).
4. Remove the screws holding the front of the carrier board in place.
5. Remove the screws holding the rear of the carrier board in place.
6. Refer to the previous pages for disassembling the data handler board.

Figure 2. Disassembling the Data Handler Block in an RS

Injection Firmware Version 4.04 (30Jun05)

This firmware is a correction of FPGA configuration in sampling of reference frequencies. The problem demonstrate itself in different date codes of Xilinx FPGA, E21S-2019. With a large change in input voltage, shifts as high as 30 mV have been observed. A shift of this size is then removed in approximately 10 seconds.

Injection Firmware Version 4.03 (28Aug03)

This firmware changes the powerup/ready/code size and corrects the calibration relay to x08 vs x04.

Injection Firmware Version 4.02 (18Jun03)

This firmware increases the “wait states” for control bus memory access in order to correct a problem observed on some systems with large bus loadings. In one case, the problem exhibited itself as a “control dual port ram error.” In another case, the system showed inconsistent memory values for large data block transfers.

To facilitate factory testing, the “control fault” is momentarily set on powerup (allowing for verification that the control fault LED is operational).

Injection Firmware Version 4.01 (7May03)

This firmware is the first production release of the Injection firmware.

This firmware should be used with Wonderware CSV file version 1.10 (or later); Concept CSV file version 1.01 (or later).

Injection Firmware Version 4.00 (15Apr03)

This firmware first shipped in A-60136 boards and is compatible ONLY with A-60136 boards. Version 4.00 was written to support the faster operation (50 MHz) of the A-60136 boards and is the first release of the injection firmware. This firmware (and the A-60136 boards) are compatible with MACO DS/RS systems.

This firmware should be used with Wonderware CSV file version 1.10 (or later); Concept CSV file version 1.01 (or later).



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