

4. Select one of the six feedback connector housings shipped with your system module, depress the clamp spring with a small screw driver, insert the wire, and release the spring.

Note: Refer to the tables beginning on page 3-26 for motor/drive pin-out information and figures 3.13 and 3.14 for an illustration. Refer to *Appendix B* for interconnect drawings.

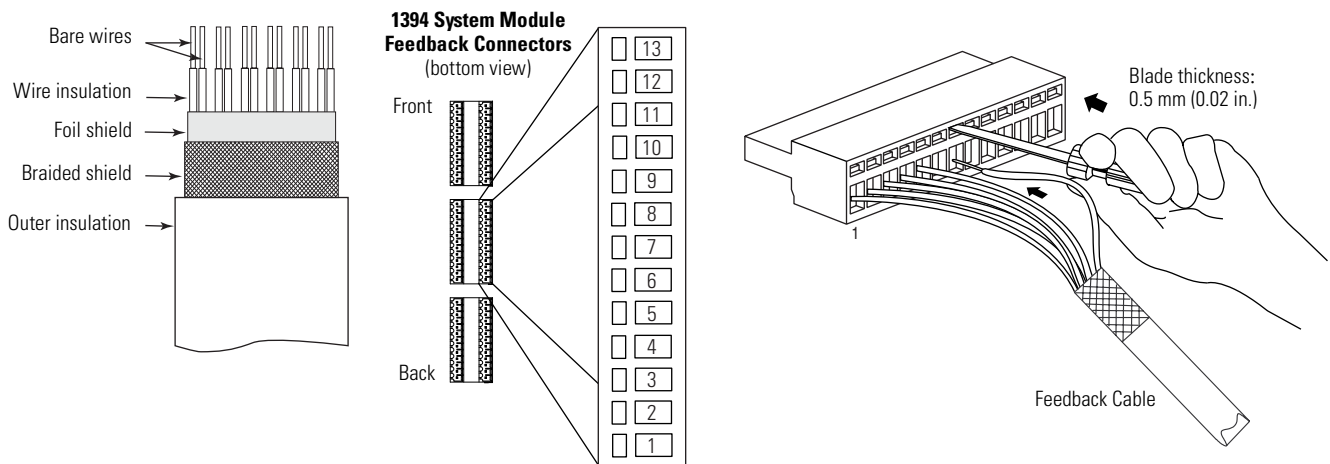
5. Gently pull on each wire to make sure it does not come out of its terminal. Re-insert and test any loose wires.
6. Plug the connector housing into the appropriate feedback connector on the bottom of the system module (refer to Figure 2.6).

IMPORTANT

The connectors and connector housings are keyed and cannot be connected backwards. However, each housing is identical so care should be taken to match the proper feedback cable with the appropriate connector.

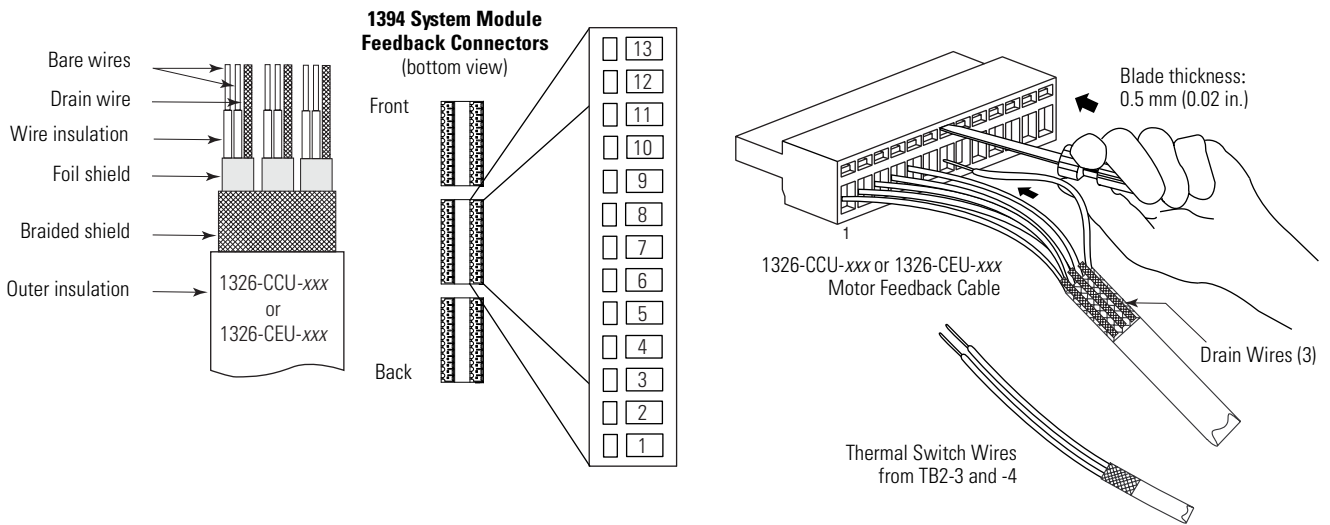
Note: Six feedback channels are available. Refer to Figure 2.6 on page 2-10 for connector function and pin-out information.

Figure 3.13
Wiring 2090-CDNFDMP-Sxx Feedback Cables



Replacement connector housings are included in the system module connector kit (part number 1394C-CCK-D). Each terminal has a spring type clamping mechanism which firmly grips the bare wire.

Figure 3.14
Wiring 1326-CCU-xxx Feedback Cables



Replacement connector housings are included in the system module connector kit (part number 1394C-CCK-D). Each terminal has a spring type clamping mechanism which firmly grips the bare wire.

Attaching the Cable Shield Clamp

IMPORTANT

To improve the HF bond (and reduce electrical noise) between the feedback cable shield and the system module chassis ground, use the cable shield clamps included with your system module.

To attach the cable shield clamp:

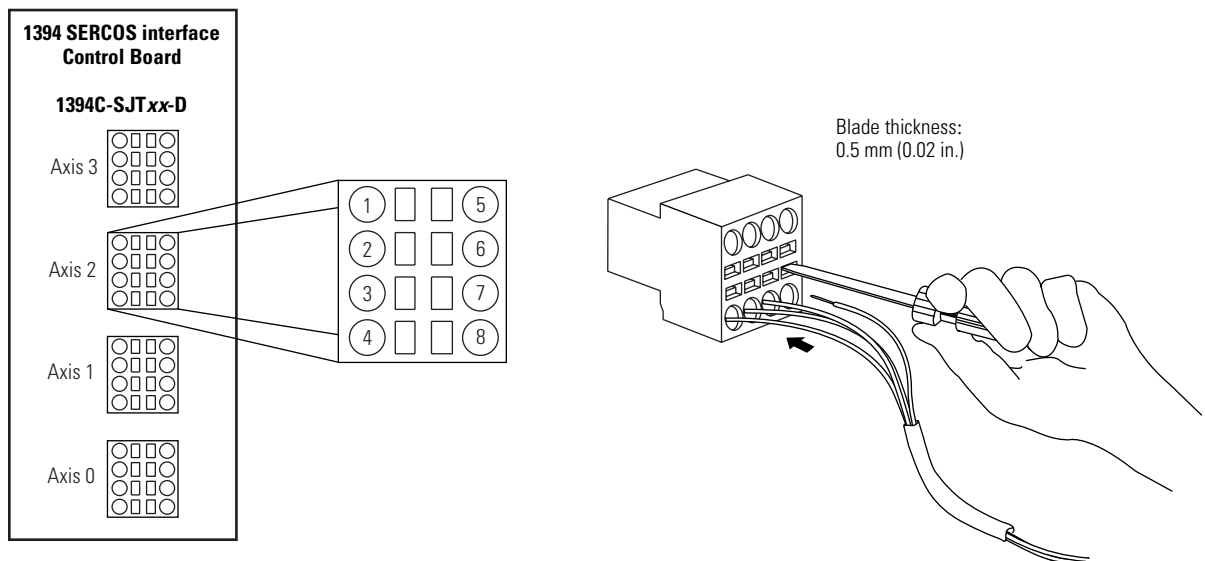
1. Thread the cable clamp bracket screw into the bottom of the system module and tighten using 1.6 Nm (14 lb-in.) torque.
2. Remove another 22 mm (.875 in.) of outer insulation from the feedback cable to expose the braided shield underneath for clamp attachment (refer to Figure 3.12).

IMPORTANT

When cutting into the outer insulation use care not to cut into the braided shield underneath.

4. Repeat steps 2 and 3 for all remaining I/O connector housing wires.
5. Plug the connector housings into the appropriate I/O connector on the front of the system module (refer to figures 2.1 or 2.2 for connector locations).
6. Secure the I/O wires by slipping a plastic tie-down through the tie-down anchor (refer to figures 2.1 or 2.2 for tie down anchor locations) and bundle the wires together.

Figure 3.15
Wiring I/O Cables



Replacement connector housings are included in the system module connector kit (part number 1394C-CCK-D). Each terminal has a spring type clamping mechanism which firmly grips the bare wire.

Motor End Connector Kits

| Motor Series | Description | Catalog Number |
|-----------------------------------|---------------------------------|----------------|
| MP-Series and 1326AB (M2L/S2L) | Straight Power Connector Kit | 2090-MPPC-S |
| | Straight Feedback Connector Kit | 2090-MPFC-S |
| | Straight Brake Connector Kit | 2090-MPBC-S |

1394 Accessories

| Accessory | A-B Catalog Number | Manufacturer's Number |
|---|--------------------|------------------------|
| Feedback and I/O connector kit for 1394C-SJTxx-D | 1394C-CCK-D | N/A |
| SERCOS fiber cable bulkhead adaptor (2 per pack) | 2090-S-BLHD | N/A |
| Brake and thermal axis connector kit | 1394-199 | N/A |
| Cable ground clamp kit for cables 1.5 to 6 mm ² (16 to 10 AWG) in size. | 1394C-GCLAMP | N/A |
| Cable ground clamp kit for cables 10mm ² (8 AWG) in size | 1394C-8AWG-GCLAMP | N/A |
| 1394-CCFK resolver feedback connector kit, (includes the connector, pins, and extraction tool to connect to 1326-CCU-xxx motor feedback cables). It does not apply to 1394-SJTxx-D. | 1394-CCFK | N/A |
| Brake and thermal connector operating tool | N/A | Wago 231-304 |
| Kit, fuse, for 1394-SR10A (5 and 10 kW system modules) | 1394-SR10A-FUSE-A | Bussmann FWP-40A14F |
| Kit, fuse, for 1394-SR9A (Series B) | 1394-SR9A-FUSE-B | Bussmann FWP-50A14F |
| Kit, fuse, for 1394-SR9AF (Series B) | 1394-SR9AF-FUSE-B | |
| Kit, fuse, for 1394-SR36A (Series B) | 1394-SR36A-FUSE-B | |
| Kit, fuse, for 1394-SR36AF (Series B) | 1394-SR36AF-FUSE-B | |