

Problem:

- A) The screen on the Insight Graphics Units (PFS1-G and PFS2-G) does not update, but the system continues to run.
- B) Message “Unable to communicate to Spindle Control Module” appears.
- C) Message “Communicating with SCM(s)” remains on the screen.

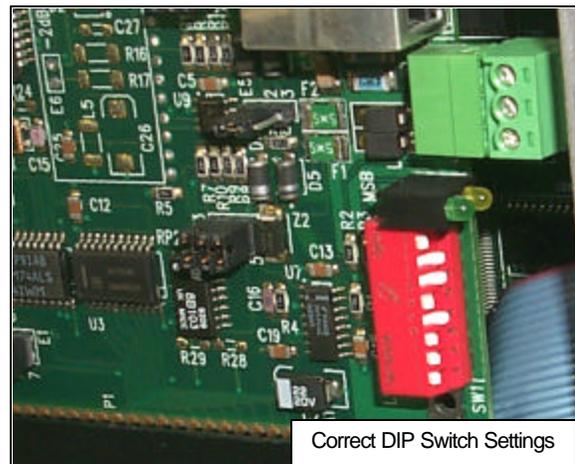
Root Cause:

The ISA Extension Board that connects the Arcnet Board to the back of the Computer is not providing good continuity to all of the contacts. This could be because of thermal expansion, corrosion, or particle contamination.

Solution:

Gold plated contacts are much less susceptible to contamination than the standard contacts used on the ISA extension board.

T21581-79 is the part number for the gold plated ISA Extension Board.



Procedure:

- 1) Turn off power to the Insight.
- 2) Remove plexiglass cover from the back of the PC Computer.
- 3) Remove the Arcnet Board (on the right with the red DIP switches and green connector).
- 4) Discard the old ISA Extension Board and replace with the gold-plated board.
- 5) Install the Arcnet board (make sure the DIP switch settings do not change).
- 6) Replace the plexiglass cover.