Support Bulletin-SB-25-10040
Date-3.25.2025
Title: 208-06-6503Y1 & Y2 Missing Wires in Sections 1-6 Connector
Product Line: FAS
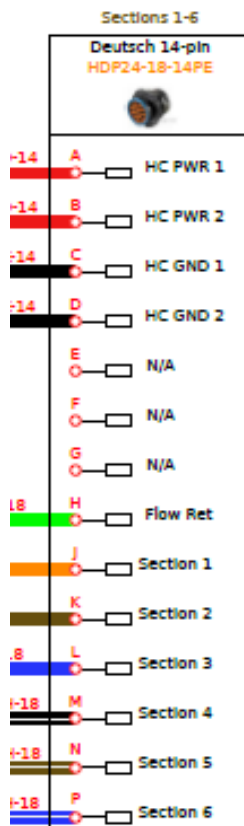**Model:** Click or tap here to enter text.
Level: Public
Author(s):
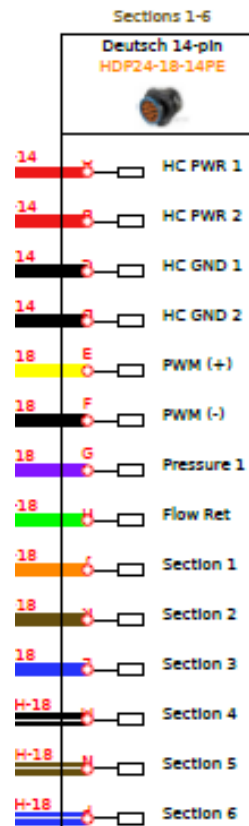**Revision Letter:** Click or tap here to enter text.

Overview: Sentinel 1000 ECU adapter 208-06-6503Y1 & 208-06-6503Y2 - the Sections 1-6 connector is missing a wire for pressure 1 (pin G), PWM (+) (pin E), and PWM (-) (pin F). If the customer hooks a pressure sensor to the section harness connected to Sections 1-6 the pressure will not read on Sentinel. This harenss will also not control a Gen2 LiquiShift valve stack when hooking to Sections 1-6 because all 3 missing wires are required to control the valve stack.

Links to Supporting Info:

Current Pinout of 208-06-6503Y1 & Y2
(Pin E,F,G not populated)

Updated harness 208-06-6503Y3
(Pins E, F, G are now populated correctly)

Solution:

There are 3 solutions to fix this issue. The solution used will depend on customer preference and will be covered by SurePoint under warranty.

1.   Add a pressure tap on the outlet side of the flowmeter close to the pump system. Plug their sensor into the PRESSURE plug on the pump final harness. The pump harness is pinned out correctly and this will allow pressure to read on Sentinel.

2. Run a 3-Pin Metri-Pack extension from the PRESSURE plug on the pump final harness to their pressure sensor. The pressure sensor will probably be mounted on the end of the section valve stack, so you'll need them to measure how far away the PRESSURE connector is from the pressure sensor to send the right length extension.

3. Replace their existing 208-06-6503Y1 or 208-06-6503Y2 with the updated harness 208-06-6503Y3. This HAS TO BE DONE on all systems using the 208-06-6503Y1 or Y2 with a Gen2 LiquiShift valve stack.

VERY IMPORTANT NOTE:

If you replace any harness in the field with the new Y3 version you must have Sentinel Software version 1.6.0 or newer installed for the harness to work properly. There are new modifications to this Y3 version that require our newest software. When the Y3 is plugged into Sentinel you will see Harness Ident: 1 on the software page like the image below. This will allow your pressure sensor to work when plugged into Sections 1-6 as well as control the Gen2 LiquiShift valve stack.