

INSTALLATION NOTES

Pressure Transducer Installation

- Turn only metal hex provided
- Wire nut on wire connection - Hand tighten only
- 0.7 nm / 7 in/lb. maximum
- Apply dielectric grease to terminal connections

Important Grounding Notifications

- Proper engine grounding required for panel operation
- Ground wire to be attached to starter mounting bolt
- Remove any paint or corrosion

Panel Installation Notes

- Do not swap panels between engines
- Do not swap displays between panels
(Each of the four display modules is a unique part number with unique operation)
- Any modifications to panel wiring or operation voids warranty
(Please contact Darley to review any requested panel changes)
- The main panels are configured specifically for the throttle actuator installed on the engine. Installation of a new main panel requires an actuator configuration procedure.

SYSTEM OPERATION

With system power ON:

1. Push button engine start/stop from either station (5 second pre-heat period)
2. Throttle increase/decrease from either station
3. Throttle to Pressure (Select PSI and the speed adjusts)
4. Shutdown override switch for run to fail operation

DISPLAY OPERATION

Engine Display/Controller

- Engine Temperature
- Engine Speed
- Oil Pressure
- Battery Voltage
- Fuel Level %
- Engine Hours

Protections for:

- High Engine Temperature (Default = Alarm/Shutdown)
- Low Oil Pressure (Default = Alarm/Shutdown)
- Low Pump Water Pressure
- Fuel Level (Default = Off)

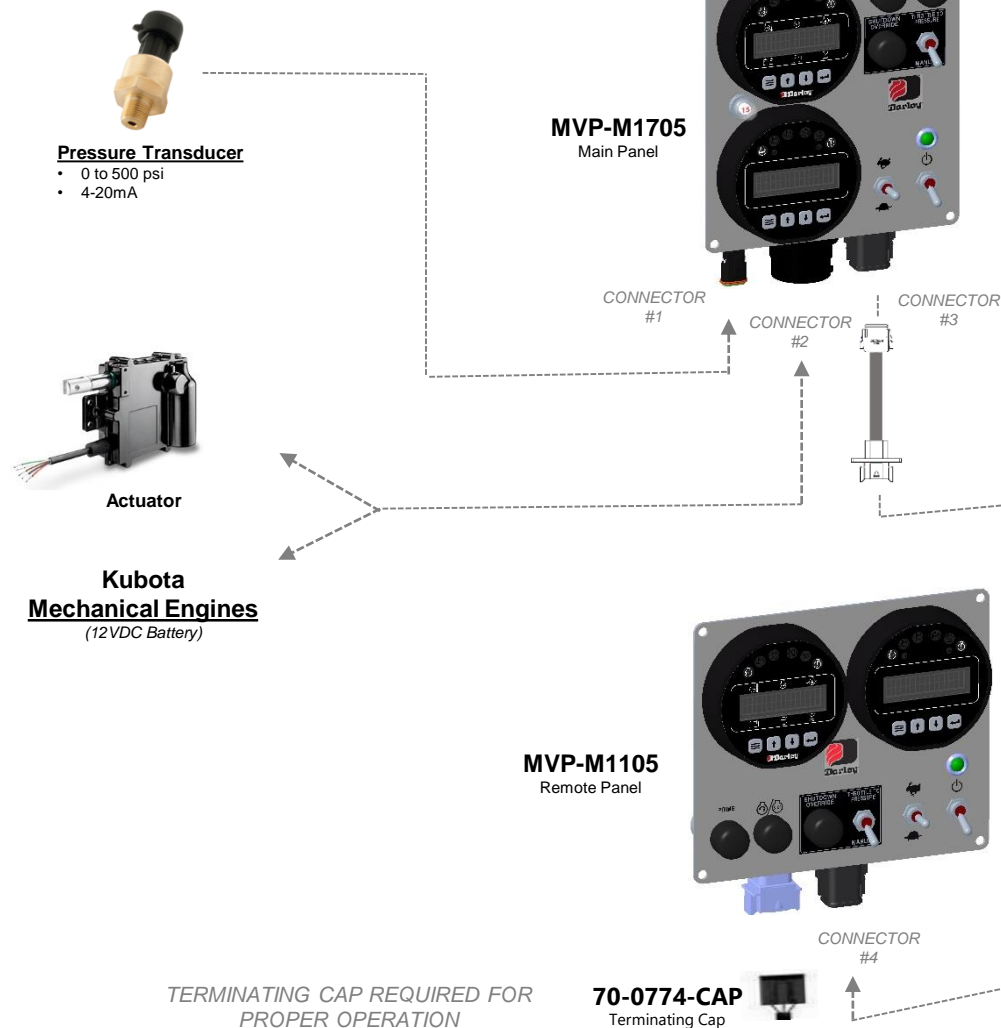
MSG Pressure Gauge (Metric/English Selectable)

- Displays pressure (PSI/BAR)

PANEL INSTALLATION

PANEL INSTALLATION SHOULD CONSIST OF PLUGGING FOUR CONNECTORS INTO HARNESSES (NO ADDITIONAL WIRING REQUIRED)

For primer, use Darley Electric primer AP01707 for D902 or AP01708 for D1803 & V2403



PART #	MAIN DISPLAY	PROFILE	SOURCE ADDRESS	CURRENT FIRMWARE	PRESSURE DISPLAY	PROFILE	SOURCE ADDRESS	CURRENT FIRMWARE
MVP-M1705	MVP-M705	PA0216	228	4.2.11	MSG-104	PA0173	228	4.2.10
MVP-M1105	MVP-M705R	PA0217	228	4.2.10	MSG-104R	PA0174	45	4.2.10

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Pressure Transducer

- 0 to 500 psi
- 4-20mA

MVP-A1707 Main Panel



CONNECTOR #1

CONNECTOR #2

CONNECTOR #3

Kubota Diesel DOC ONLY Engines
D1803T149T4
V2403T165T4
V3800T174T4
(12VDC Battery)

MVP-A1107 Remote Panel



CONNECTOR #4

TERMINATING CAP REQUIRED FOR PROPER OPERATION

70-0774-CAP
Terminating Cap



PART #	MAIN DISPLAY	PROFILE	SOURCE ADDRESS	CURRENT FIRMWARE	PRESSURE DISPLAY	PROFILE	SOURCE ADDRESS	CURRENT FIRMWARE
MVP-A1707	MVP-M134-004	PA0243	228	4.2.12	MSG-104-006	PA0440	228	4.2.10
MVP-A1107	MVP-M134R-004	PA0244	228	4.2.10	MSG-104R	PA0174	45	4.2.10