

## 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)

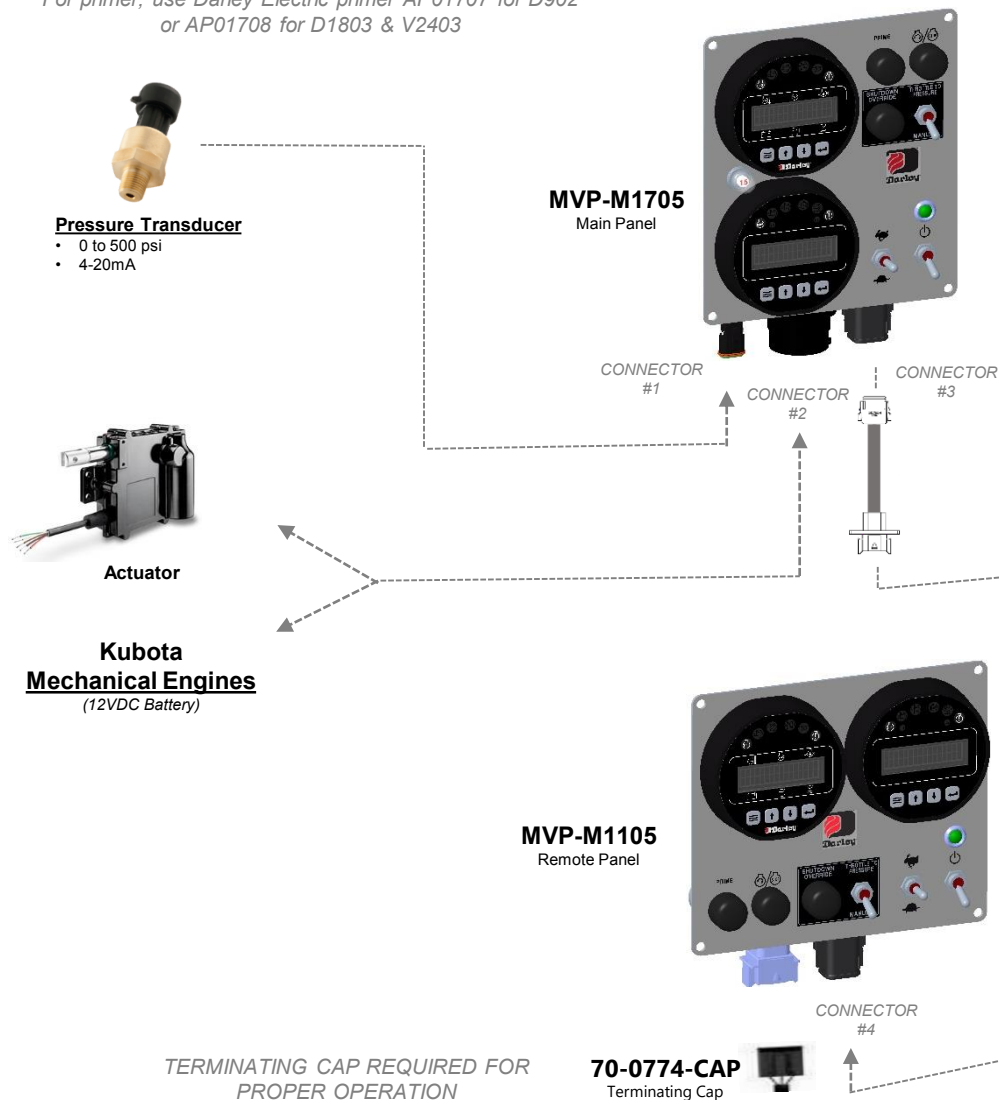
### MSG Pressure Gauge (Metric/English Selectable)

- Displays pressure (PSI/BAR)

### PANEL INSTALLATION

PANEL INSTALLATION SHOULD CONSIST OF PLUGGING FOUR CONNECTORS INTO HARNESSSES (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

## 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



### 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