

## Steyr Engine Interface (SEI) Installation Instructions

### ⚠ WARNING

Improper installation may damage the instrument and/or cause injury to the installer. If you have installation questions, please contact the factory. Disconnect battery cables before installing the instrument. Check for obstructions behind dash panel such as wires and hoses before cutting the mounting hole for the instrument.

### SYSTEM DESCRIPTION

SEI serial data bus instruments must be used with a Controller Area Network (CAN) system. This system supports the SAE J1939 CAN protocol. Optional auxiliary inputs allow for sender and NMEA 0183 inputs.

### MOUNTING

Recommended dash hole sizes:

2 inch instruments: 2.125±.015 in (53.98±0.38 mm) DIA.

5 inch instruments: 4.65±.02 in (118.10±0.50 mm) DIA.

Secure the instrument into dashboard with mounting "J" clamp and Kep nuts.

If dashboard thickness exceeds clamp grip range, clamp legs may be shortened.

Position instrument in dash board prior to tightening clamp nuts to recommended torque.

Maximum recommended tightening torque for all hardware: 6 lb-in (0.68 N-m).

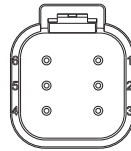
Caution, over tightening mounting hardware may damage the instrument.

### MAINTENANCE

Periodically check and torque all hardware per mounting specifications.

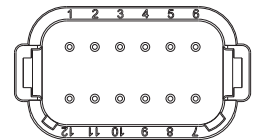
Clean glass with a soft, damp, clean cloth.

6 Pin Connector Wiring Table	
Pin Number	Connection Name
1 & 6	Battery +
2 & 5	Ground
3 & 4	Serial Data

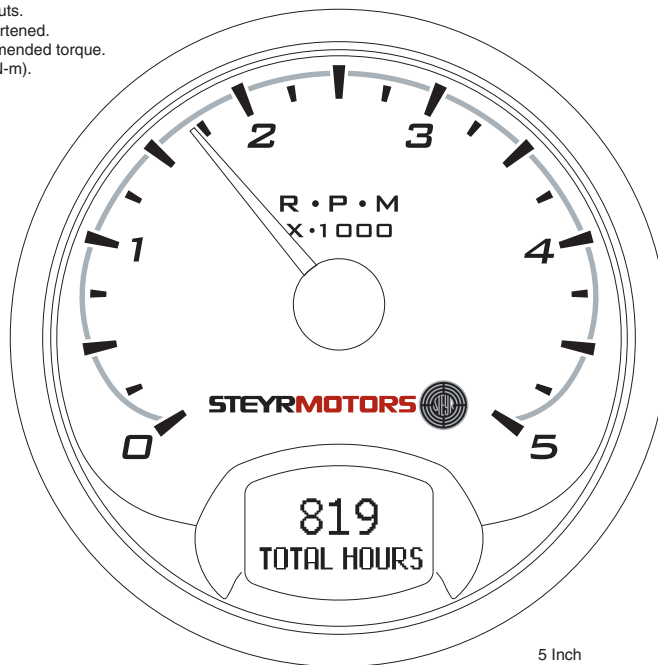


6 Pin Connector Detail  
Mates with Deutsch I.P.D  
DT Series Connector  
DT-06-6S  
Locking Wedge W6S

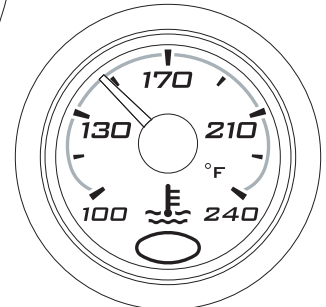
12 Pin Connector Wiring Table	
Pin Number	Connection Name
1	Switched Battery (Ignition Key On)
2	Ground
3	CAN-L
4	CAN-H
5	Lamp Input (Optional)
6	Battery (24/7)
7	Analog Input - Fuel
8	NMEA 0183 Input
9	Analog Input - Trim
10	Up Switch (Button)
11	Down Switch (Button)
12	No Connection



12 Pin Connector Detail  
Mates with Deutsch I.P.D  
DT Series Connector  
DT-06-12SA  
Locking Wedge W12SA

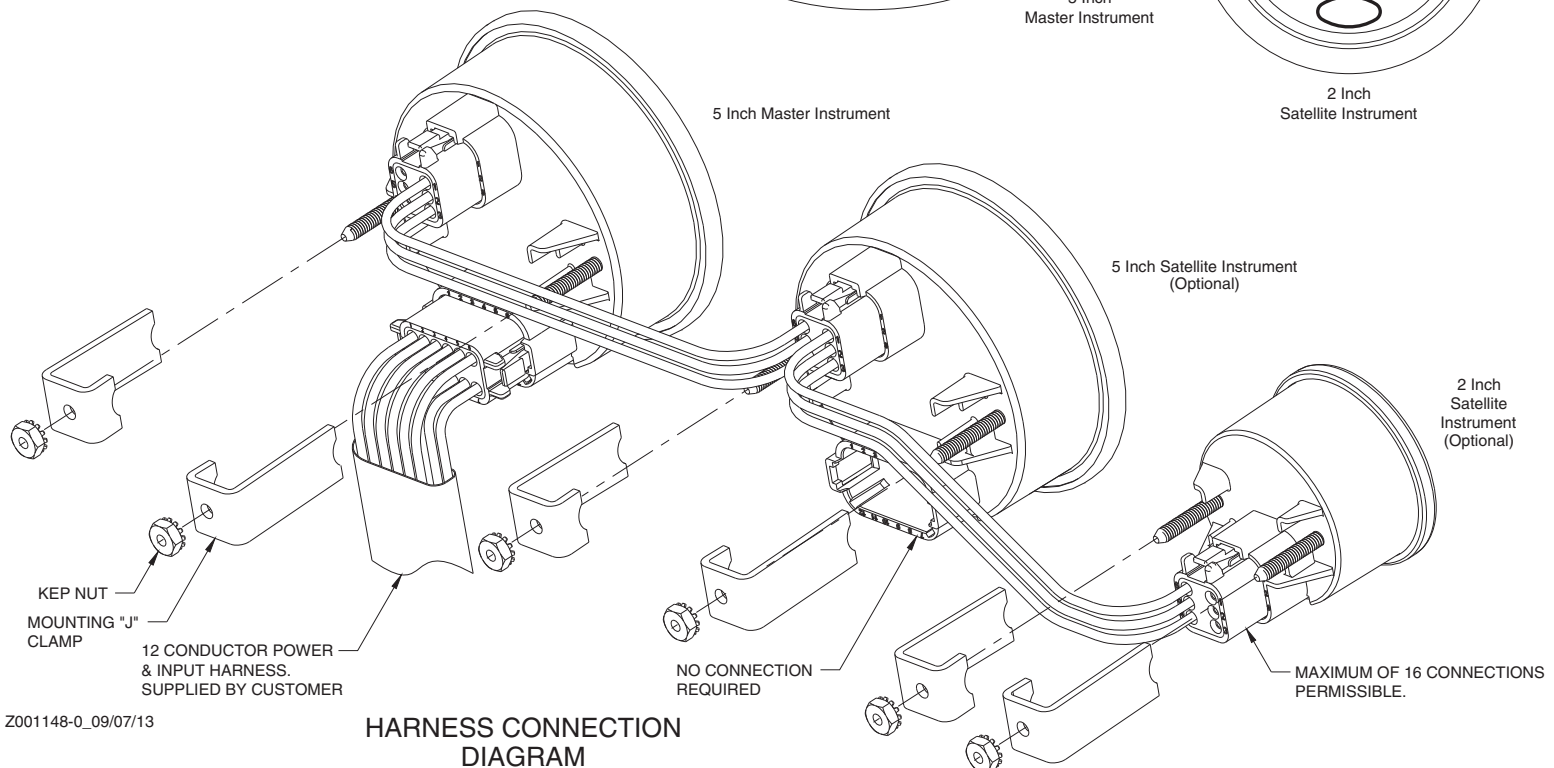


5 Inch  
Master Instrument



2 Inch  
Satellite Instrument

See reverse side for user interface and analog sender wiring.



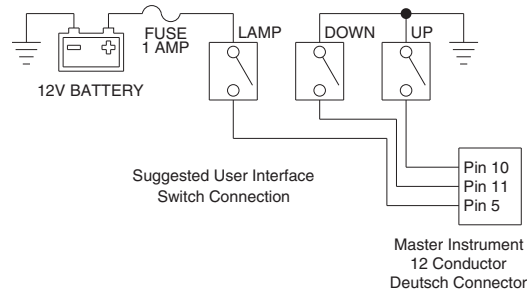
HARNESS CONNECTION  
DIAGRAM

## Steyr Engine Interface (SEI) Installation Instructions

### User Interface Switch Requirements

Single pole single throw (SPST) normally open momentary switches are required for each of the two switch inputs (Up & Down) in order to navigate the Master Instrument user interface.

These switches connect to pins 10 and 11 of the power & input harness. Refer to 12 pin connector wiring table on reverse side.



### Analog Sender Ground Connection Wiring

Proper wiring for analog senders requires that each sender ground connection use a discrete wire. These discrete wires shall connect as closely as possible to Pin 2 (Ground Pin) of the 12 pin connector on the Master Instrument. Care should be taken to insure the electrical and mechanical integrity of all wire splices required to make the ground connections.

16 AWG stranded wire is recommended for the ground connections.

