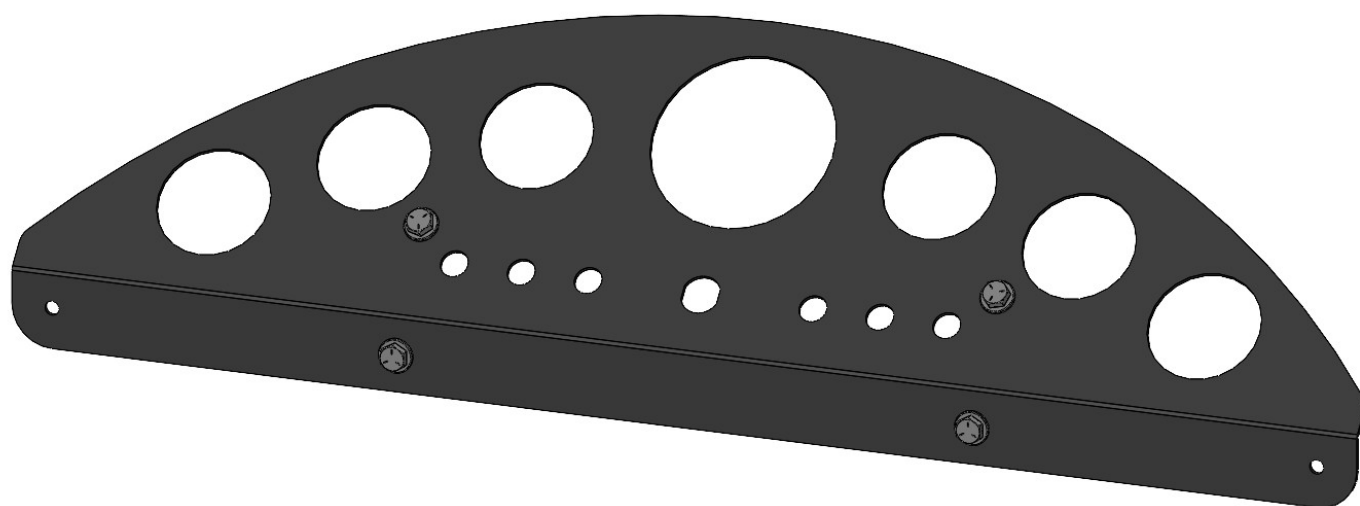# Running Engine Stand

MECHMAN ALTERNATORS

Electrical/Gauge Panel Assembly Instruction Manual

Important Notes for Assembly:

- This manual is for the Electrical/Gauge Panel add-on of the Running Engine Stand assembly. If you have not yet started with the Main Assembly instructions, start there before returning here.

- Use care when handling parts. There may be sharp edges and holes on components. Using thick protective gloves is recommended during the assembly process.

- Each bolt and nut should have the appropriately sized washer placed between the fastener and the frame.

    Required Tools:
    - Ratchet
    - 7/16" Wrench
    - 7/16" Socket
    - Wire Strippers

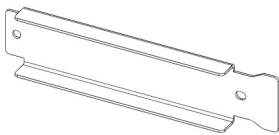<u>If you are experiencing problems upon installation— DO NOT RETURN THIS PRODUCT!</u>

Most installation problems can be easily solved.
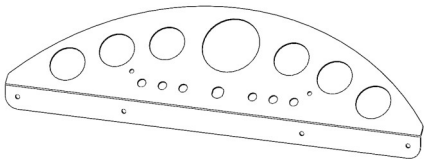
First contact technical support at:

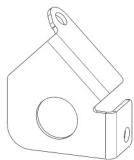**Service@mechman.com**

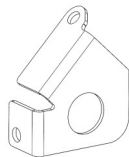**1 (888) MECHMAN or 865-522-6166**

Included Components:

	Battery Hold-Down Bracket	1x
	Gauge Panel	1x
	Dash Gusset, Right	1x
	Dash Gusset, Left	1x
	Tachometer	1x
	Triple Gauge Kit	1x
	Ignition Switch w/ Key	1x
	Relay Box	1x
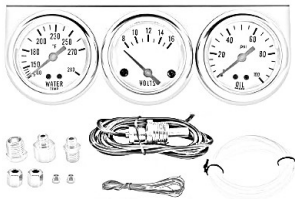
Included Components:
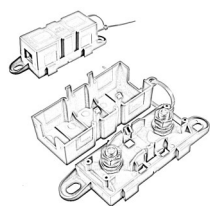
	300 Amp Fuse Holder	1x
	300 Amp Fuse	1x

Included Hardware:
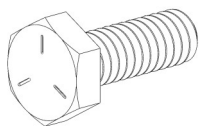
	1/4"-20 x 0.75" Hex Bolt	4x
	1/4"-20 x 9" Hold Down Bolt	2x
	1/4" Flat Washer	8x
	1/4"-20 Nylock Nut	4x
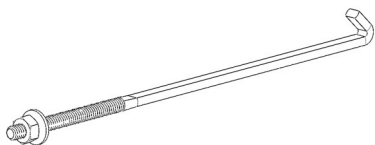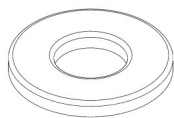
Assembly Instructions:

Step 1: Attaching the Gauge Panel to the Assembly
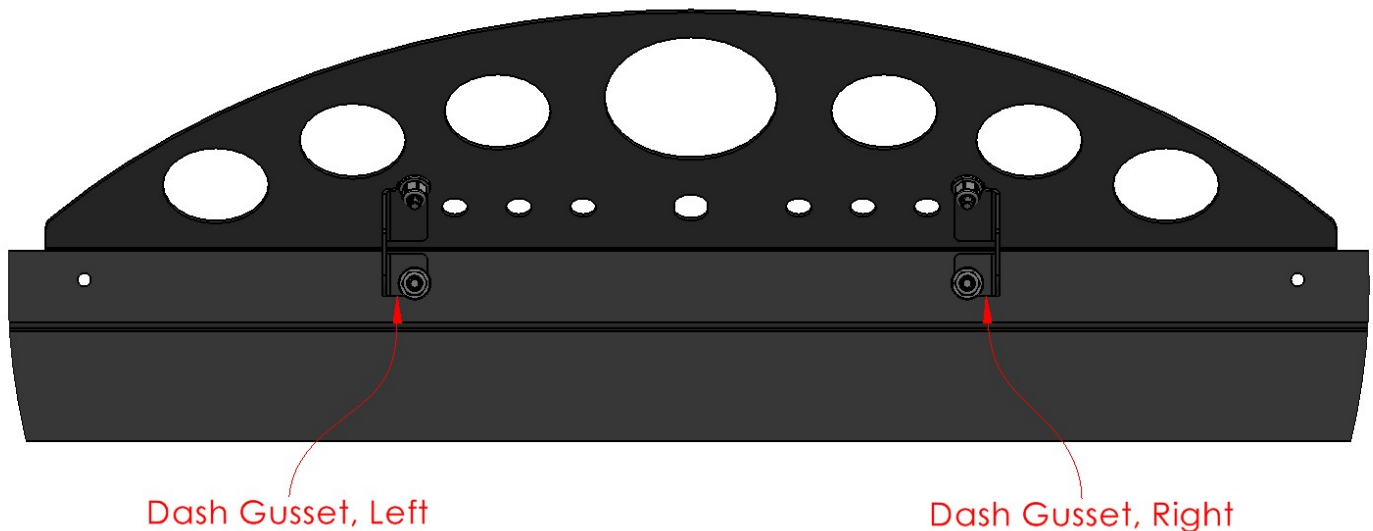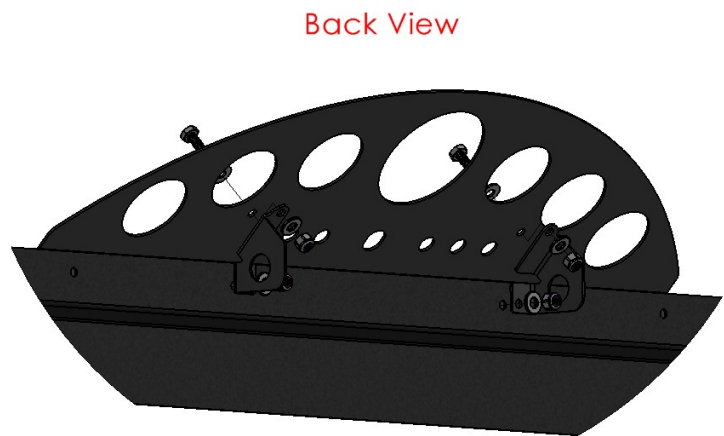
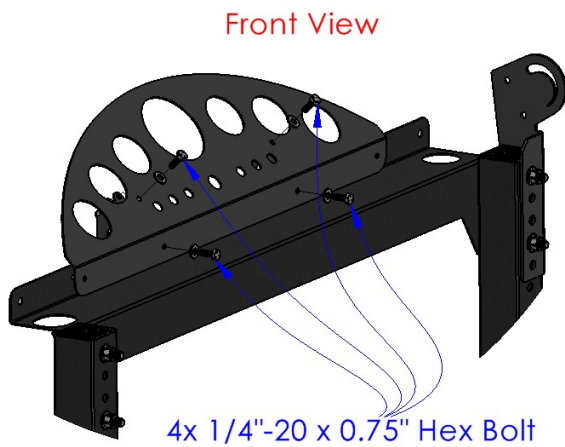Required Components:

- 1x Gauge Panel
- 1x Dash Gusset, Right
- 1x Dash Gusset, Left

Required Hardware:

- 4x 1/4"-20 x 0.75" Hex Bolt
- 8x 1/4" Flat Washer
- 4x 1/4"-20 Nylock Nut

- Use the 1/4"-20 x 0.75" Hex Bolts to attach the Gauge Panel and the Dash Gussets to the upper Radiator Support Crossmember.

Front View

Back View

4x 1/4"-20 x 0.75" Hex Bolt

Dash Gusset, Left

Dash Gusset, Right

Assembly Instructions:
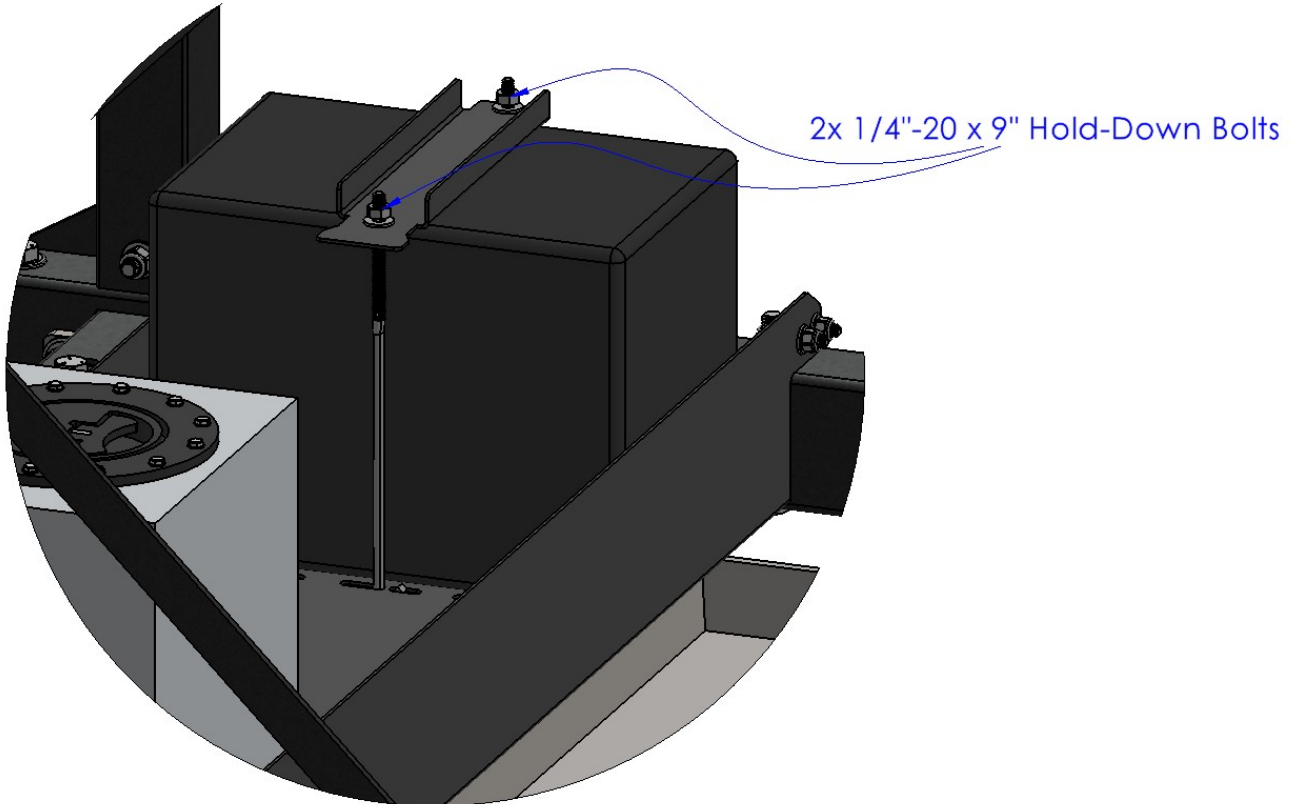
Step 2: Insert the Battery into to the Assembly

Required Components:

- 1x Battery Hold-Down Bracket
- 1x Group 34 Battery (not included)

Required Hardware:

- 2x 1/4"-20 x 9" Hold Down Bolt

- Use the 1/4"-20 x 9" Hold Down Bolts to clamp the Group 34 Battery to the Fuel & Battery Tray.

- Note: There is room for up to two additional batteries in the Fuel & Battery Tray.

2x 1/4"-20 x 9" Hold-Down Bolts

Electrical Schematic:

To Pre-Filter

To Fuel Pressure Regulator

To Tach

Tachometer

Voltage

Water Temp

Oil Pressure

Relay Box Output—12 AWG

Additional optional aux

Relay Box Input—18 AWG

300A Fuse

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