

Auto-Field Sampler (AFS)

ATV & UTV Mounting Instructions

- **Warning:** The operator is responsible for securely installing the Auto-Field Sampler (AFS) to an ATV or UTV. AMS assumes no liability unless the installation's completed at an AMS facility.
- Mount the AFS using the **ATV & UTV Universal Mount** and **ATV & UTV Mast Mount**.
- Temporarily position the **ATV & UTV Mast Mount** and **Mast** at the desired mounting location to determine proper height and placement.
 - **Note:** Position the AFS as close to the side of the ATV or UTV as possible to maintain balance and minimize sagging. The bottom of the Mast should be 6 in. (15.24 cm) above ground level. Improper height will result in incomplete (less than 12 in. (30.48 cm)) sampling.
- Once the position's confirmed, align the **ATV & UTV Universal Mount** beneath the ATV or UTV's frame at the selected location. Remove the **ATV & UTV Mast Mount** and **Mast** for access.
- Secure the **ATV & UTV Universal Mount** to the structural frame using appropriate hardware. See **Figure 6.1.1 A**.
 - **Note:** Installation may require drilling or welding. Use a minimum bolt diameter of 3/8 in.

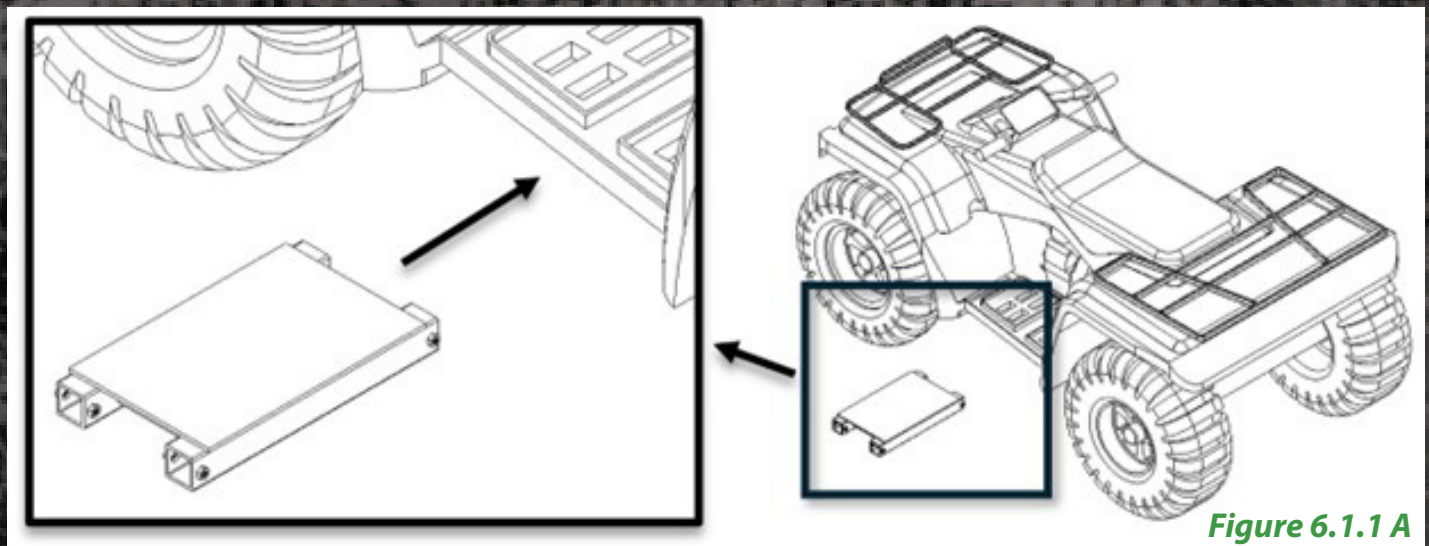


Figure 6.1.1 A



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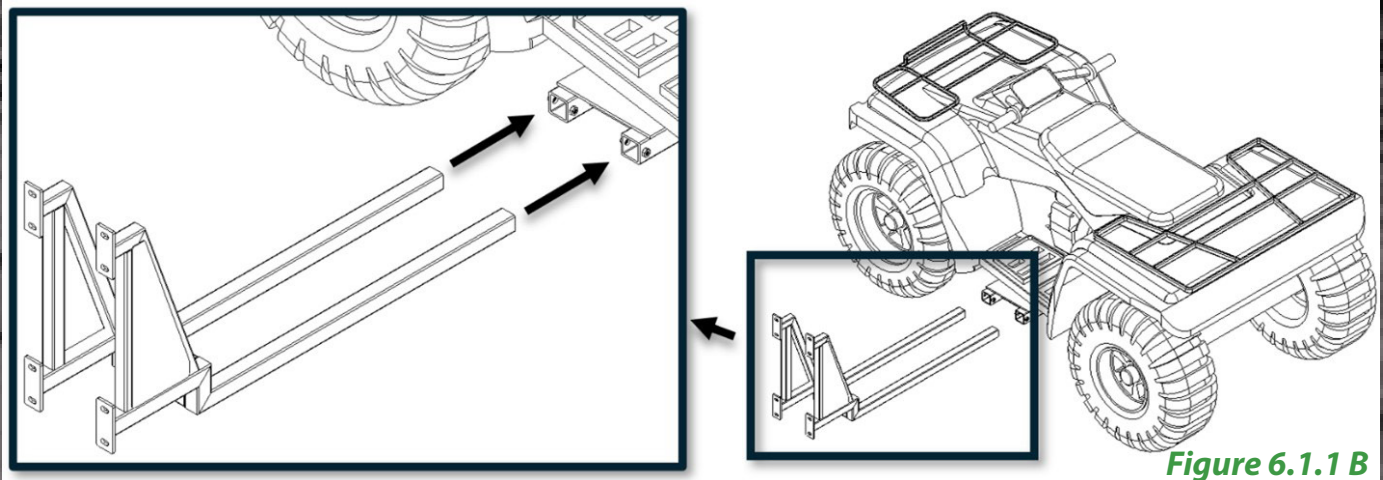
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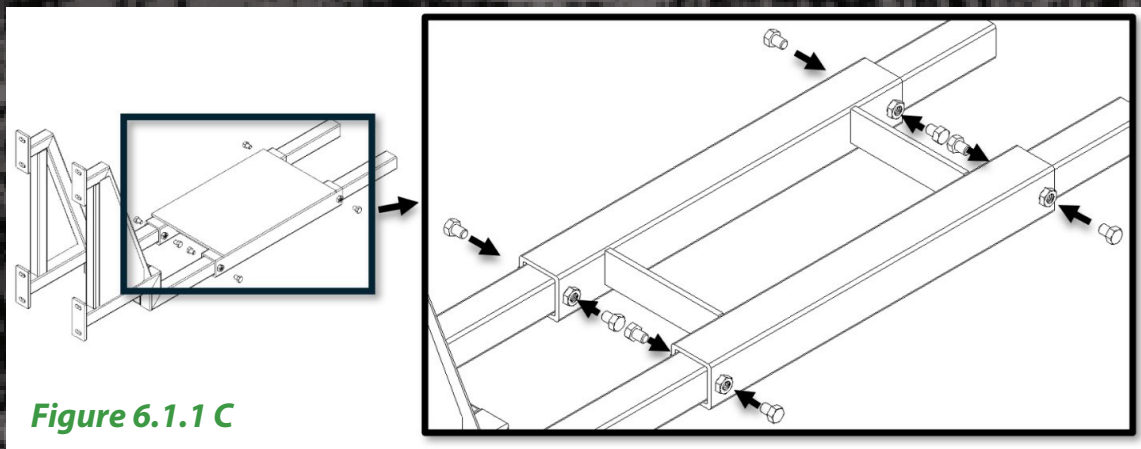
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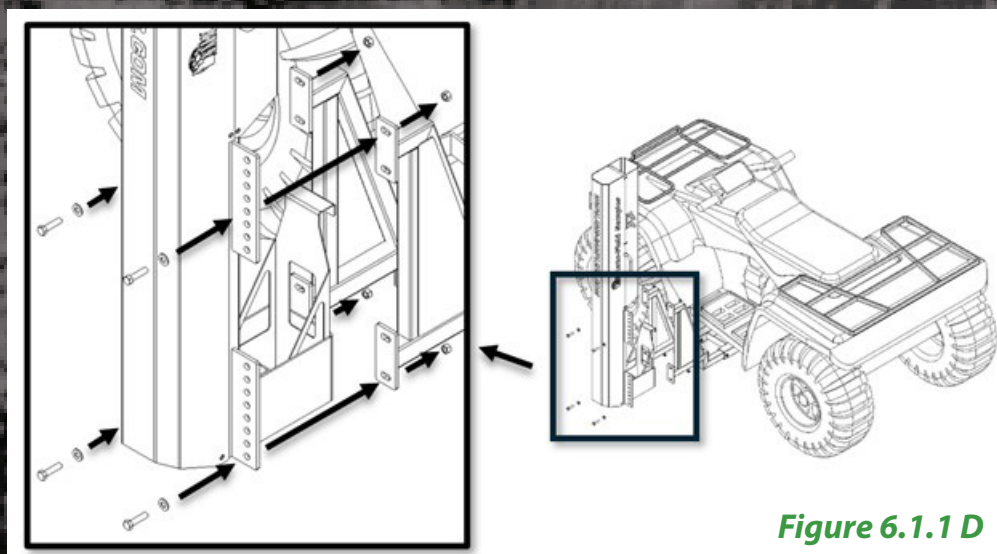
- Slide the *ATV & UTV Mast Mount* into the receiver tubes on the installed *ATV & UTV Universal Mount*. See *Figure 6.1.1 B*.



- Secure the *ATV & UTV Mast Mount* using eight 3/8 in. diameter bolts. You may use the pre-welded nuts or drill new holes as needed. See *Figure 6.1.1 C*.



- Attach the *Mast* to the *ATV & UTV Mast Mount* using the flanged bolt holes. See *Figure 6.1.1 D*.



- Adjust the height using the flanged bolt holes. Maintain a 6 in. (15.24 cm) height from the ground to the bottom of the *Mast* to ensure a full 12 in. (30.48 cm) sample.
 - **Note:** The *Mast* mounting flanges include eight bolt holes; however, only four are necessary to properly secure the *Mast*. Use four 3/8 in. bolts—two in the top flange, two in the bottom flange.
- Mount the *Power Unit* securely in the bed or rear cargo area of the ATV or UTV. See *Figure 6.1.1 E*.

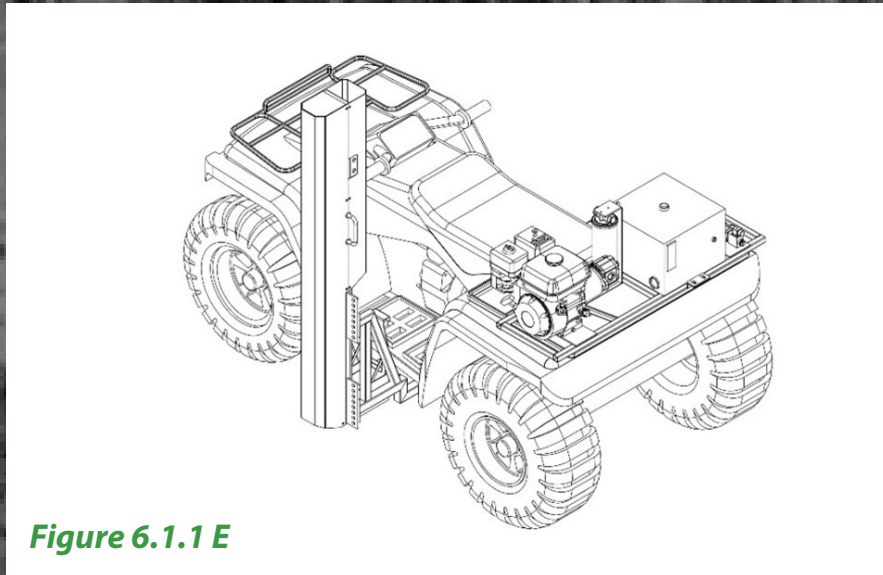


Figure 6.1.1 E

- Connect the hydraulic hoses—A to A, B to B—as shown in *Figure 6.1.3 F*.

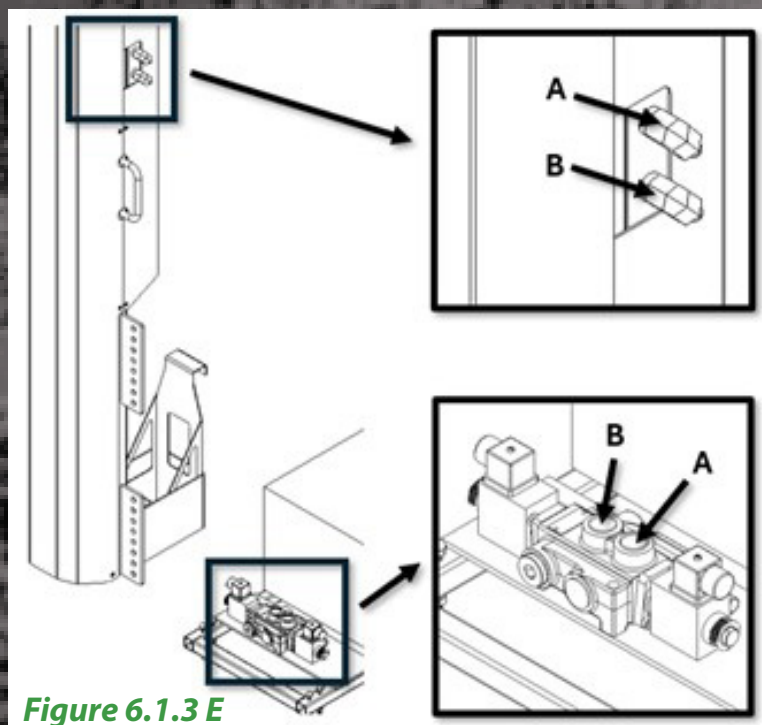


Figure 6.1.3 E

- Connect the *Power Unit* to a 12V power source using the included 10 ft. (3.05 m) bare-wire extension. Trim to length as needed. Battery terminals are provided; accessory connectors aren't included.