

American Wet Tank System

Models: A30100-ST and A40100-ST

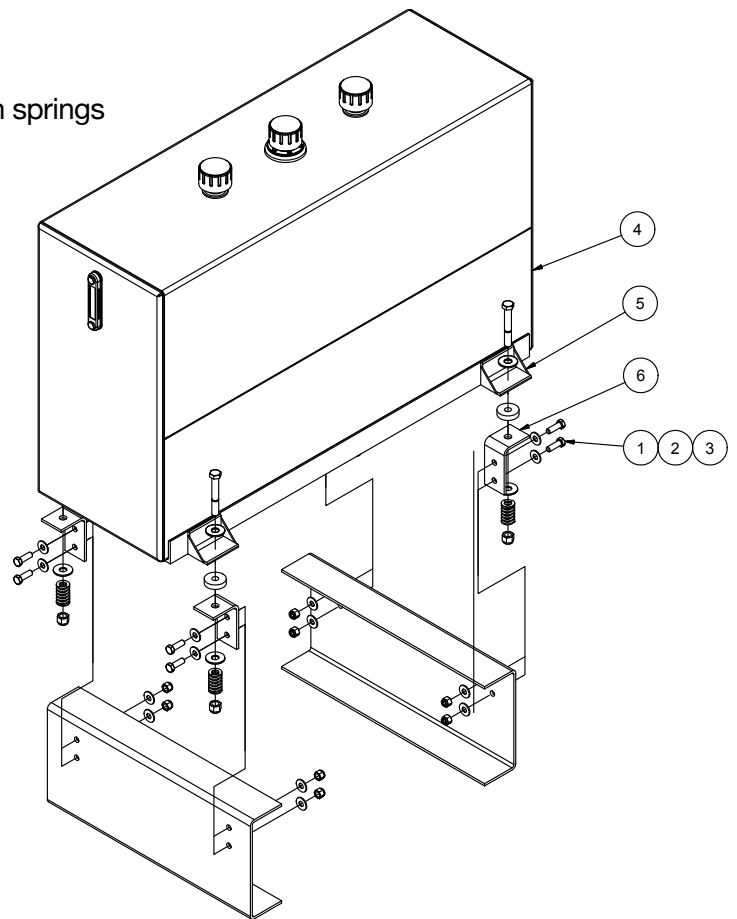
Mounting Kit Contents: Part Number ASK-210

Qty	Description
4	Pre-drilled and powder-coated chassis mounting angles
4	Pre-drilled rubber mounting pads
4	Two inch (2") medium duty die compression springs
4	Cap screws - 5/8" - 11 x 4 1/2", grade 5
4	Nyloc nuts - 5/8" - 11
8	Plated flat washers - 5/8"
4	ASK-200G welded gusseted angles

*ASK-200G is not included with ASK-210. Must be ordered separately.

Materials Required to Complete Installation:

Qty	Description
8	Cap screws 1/2", grade 5 (length determined by installer)
8	Nyloc Nuts - 1/2" - 13
16	1/2" washers



Pre-packaged Kit Includes:

Steel or aluminum tank assembly with three, 2" heavy duty screw-in NPT bottom ports; filler/breather assembly including a 40 micron filter/breather cap (chain mounted); two, 1" auxiliary vents; and the ASK-210 mounting kit.

This wet tank assembly has been designed for a dump trailer application using either a two- or three-line system.



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Instructions:

1. Position tank assembly on frame rails of the truck chassis as desired.
2. Position chassis mounting angles so that the double pre-drilled holes are positioned against the frame rail and the single ($1\frac{1}{16}$ " hole is positioned upward. Align ASK-210 angles $\frac{1}{4}$ " from the outside edge of the extruded tank angle. (See diagram at right.)

Note: The top of the mounting angle should be flush with the top of the chassis rail.



3. Position the ASK-200G gusseted mounting angle over pre-drilled mounting angle. This is to be field welded to the extruded tank angle, where gusset and tank angle are flush on bottom. After positioning, mark tank and weld angles together.

Note: The A40100-ST (aluminum version) has the gusseted angles pre-welded to the tank assembly.

4. Using the pre-drilled mounting angles as a guide, mark both the frame rail and tank mounting angles. Chassis requires use of a $\frac{9}{16}$ " drill bit while the mounting angles require an $1\frac{1}{16}$ " drill bit. Drill holes and bolt the four mounting angles into place.
5. Place tank assembly across frame with gusseted angles (ASK-200G) lined up directly over top holes in mounting angles. Mark and drill using an $1\frac{1}{16}$ " drill bit.
6. Place rubber mounting pads on top of the four mounting angles. (See diagram at right.)

Note: The rubber pads should be above the top of the frame rails.



7. Reposition tank over pads and angles, install bolts and springs as shown in exploded view. (See diagram at right.)
8. National Pip Thread port openings: (see diagram at right). The American Wet Tank System is designed with three, 2: NPT port openings in the bottom of the tank. The system allows either port to be used as a suction or return line.

The assembly may be plumbed for use as a two- or three-line system.