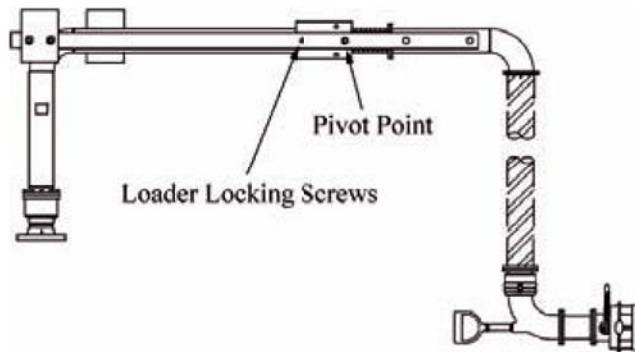


BOTTOM LOADER INSTALLATION & MAINTENANCE

E0573 & E2573



Bottom loading through the E0573 allows for multiple cross-over of loading arms to provide quick and safe loading of diverse products without repositioning the truck. The swivel joints and flexible hinge joint ensure maneuverability which, together with the flexibility of the the hose, permits easy coupler connection to the truck. The E0573 features a precision balance system, utilizing the proven slide scale principle. Adjustable counterweights mounted on a horizontal bar can be skid along the bar until the point of balance is located.

Installation

Line Purging

When terminal pipelines are used for the first time, it is suggested that they be purged before erecting the loading arm. Dust, dirt and foreign matter can cause damage to the seals.

Assembly

WARNING: To prevent personal injury do not remove the two loader locking screws, (located just beyond the pivot point. See Figure 1), until the loader is completely assembled, filled with product, and the hose end of the loader is supported.

Erecting loading arm

- ☞ Check that the mounting flange of the terminal pipework is level. (Note: Arm will swing if not level.)
- ☞ Using appropriate lifting gear, carefully lift the loading arm by the product tube, NOT the hose or counterweight bars, and position it over the flange.
- ☞ Bolt loading arm to flange using supplied gasket and hardware.

- ☞ Bolt all outboard components (hose, swing joint, spacer, and coupler) to outboard end of the loading arm using supplied gaskets and hardware.

Counter-weight adjustment

Use caution when adjusting the counter-weight

- ☞ Support the outboard end of the loading arm by the end of the horizontal product tube
- ☞ Remove the two loader arm lock screws (refer to Figure 1)
- ☞ Loosen the locking screws on the counter-weight and slide back until the loading arm is in balance
- ☞ Tighten the counter-weight locking screws and release the outboard end of the loading arm

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Initial Checks

Make sure all flange bolts are securely tightened and that the loading arm is balanced.

Note: If swivel joints are not fully tightened or debris has damaged seals, leakage may occur. If seals are damaged, it may be necessary to disassemble and clean swivel joint.

Maintenance**Recommended lubricants**

For standard petroleum applications, a lithium based grease is recommended.

Routine maintenance

Lubricate loading arm only when in a convenient, safe position. Do not over lubricate swing joints.

Monthly service:

- ☞ Oil slide rail pivot points
- ☞ Check swivel joints and flanges for signs of leakage
- ☞ Check loading arm for free operation

Six-month service:

- ☞ Grease all swivel joints. (D2000 swivels require no greasing for 5 years!)
- ☞ Check flange bolts for tightness
- ☞ Check balance of loading arm

Component parts replacement instructions**Hose joint**

- ☞ Secure loading arm to prevent it from rotating
- ☞ Insert loading arm locking screws
- ☞ Drain loading arm
- ☞ Remove hose joint by unbolting both ends from arm
- ☞ Discard hose joint and gaskets
- ☞ Using new gaskets, fit a replacement hose joint. Do not allow dirt or debris to enter loading arm (Note: Under no circumstances should a damaged or deteriorated hose joint be fitted to a loading arm assembly)
- ☞ Refill the loading arm and verify that there are no leaks. To release loading arm, remove loading arm locking bolts

Always use caution when working with the counter-weights.

Installation

Note: When installing a loader already erected, the anti-sway bar at the rear of slide rails must be removed and replaced after counter-weights are installed. A small threaded hole (lifting eye) is provided in the top of the counter-weight. Always install an equal number of weights on each side of the loader.

Slide the counter-weight over the slide rail on the loading arm with the thinnest plate toward the loader pipe and the taller part of the weight up.

Install the weight locking screws. Slide the counter-weights forward toward the pivot point and tighten the locking screws on all the weights. (Note: With the weights in this position the loader will be heaviest on the hose end).

Re-assemble the anti-sway bar on the slide rail ends.

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