

INSTALLATION INSTRUCTIONS FOR FIFTH WHEEL LANDING GEAR - AP44263, AP44264, AP44267 AND AP44268 BOLT - ON MOUNTING BRACKET KITS

IMPORTANT: These brackets are designed as "Bolt - On" style brackets. It is **NOT** recommended to weld these brackets to the trailer. Welding these brackets can cause damage to the cylinder seals. Also, welding these brackets in place will inhibit any necessary repairs to the jack cylinder. These brackets are designed to bolt to a mounting tube that is welded to the trailer structure. Contact HWH Corporation for information about available "Weld - On" style brackets.

1.) DETERMINE THE MOUNTING HEIGHT OF THE LANDING GEAR JACKS: To determine the correct landing gear jack mounting height, the trailer should be hitched to and supported by the tow vehicle. There are several variables to consider when determining the jack mounting height: lifting capability to unhitch the trailer, ground clearance to the bottom of the jack when hitched to the tow vehicle and the esthetic qualities of the installation. **These variations cannot be accurately addressed unless the trailer is hitched to the tow vehicle.**

Lift capability: Typically, 6 inches of lift may be needed to unhitch the trailer, especially if the trailer has a gooseneck (ball) style hitch. In some cases, as much as 8 or more inches may be needed. The use of an air ride style hitch may alter these dimensions also.

Ground clearance: The maximum amount of ground clearance that can be obtained while still being able to unhitch the trailer is the most desirable. Allowance for the trailer to pivot down while traversing inclines such as driveways without dragging the jacks is important. The lower the trailer is built to the ground, the higher the jacks may be mounted without losing lift capability to unhitch. The higher from the ground the trailer is built, the lower the jacks may have to be mounted. If necessary, a mounting structure for the lower bracket may have to be fabricated.

2.) MOUNTING THE LANDING GEAR JACKS:

The mounting tube for the mounting brackets must be either 4" or 5" wide. The AP44263 and AP44267 bracket kits are for 4" tubes. The AP44264 and AP44268 bracket kits are for 5" tubes.

A. Securely attach the top brackets to the jacks in the appropriate location. Top bracket mounting bolts are supplied. The bottom bracket can be mounted anywhere on the rod guide of the jack. **The bottom bracket must NOT be mounted above the rod guide.**

NOTE: Because the bottom bracket slides onto the rod guide, it is necessary to remove the jack foot to install or remove the bottom bracket. The jack rod can turn while turning the jack foot retaining lock nut. Use an impact wrench to remove or install the lock nut or use a hammer to tap a standard wrench when turning the nut.

B. Support or clamp the jacks in the predetermined mounting location. Make sure the jacks are at the proper mounting height and straight up and down.

C. Drill both mounting holes of the top and bottom brackets. Install and tighten the mounting bolts.

NOTE: Mounting bolts are not supplied with the kit. A minimum of grade 5 bolts with lock nuts or lock washers should be used.

D. Check that all mounting bolts have been properly tightened.

E. Complete the installation of the system. **Follow plumbing diagrams carefully, crossing hydraulic hoses at the system manifold can damage the jack seals. If needed, contact HWH Corporation for correct plumbing and/or wiring diagrams.**

IMPORTANT: Do not apply excessive heat to the mounting brackets with the jacks still attached to the brackets. Heat transfer through the jacks will damage the seals! Protect trailer and jacks from damage due to welding heat or splatter and grinding sparks.

