



Tilt Deck / Tilt Bed Cylinder Installation Instructions



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RH-TB310 3-1/2"x10" tilt deck/bed cylinder with (2) pins and (4) cotter keys

RH-TB-CS1 tie rod eye bracket (sold separately from cylinder assembly)

RH-TB-CS2 tie rod eye bracket (sold separately from cylinder assembly)

Installation Instructions

- Weld tie rod eye brackets to trailer frame and tilt deck frame based on trailer manufacturers design.

Cylinder Instructions

- Cylinder does not come with hydraulic fluid/oil in the cylinder due to global shipping.
- Fill cylinder with about 2.5 quarts of ATF.
- The best filling method should be determined utilizing your specific trailer manufacturing systems. A simple method involves; removing both the rod and base end fittings, inserting a filling nozzle or funnel into the ports, and carefully filling both ports **with the cylinder retracted**, then reconnecting the hose.
- Test the cylinder on the trailer as you may adjust the amount of oil for your specific application.
- **Do not** fill the cylinder while it is extended as it will become hydraulically locked.
- Wear eye protection when working with hydraulic fluid.

Hydraulic Fluids

Do not use biodegradable hydraulic fluid. Do not mix hydraulic fluids.



CAUTION: RECOMMENDED HYDRAULIC OILS

RAM recommends using Dexron rated ATF (Automatic Transmission Fluid) as hydraulic oil.

In the case of extremely cold conditions (-20° F and below) an ISO 15 Hydraulic Oil is recommended.

 **WARNING: MIXING HYDRAULIC OILS IS ABSOLUTELY NOT RECOMMENDED AND WILL VOID WARRANTY.**