





## 3<sup>rd</sup> Spool Quick Coupler Installation Instructions

This guide will assist you in the installation of the Hydrabed 3<sup>rd</sup> Spool Quick Couplers.

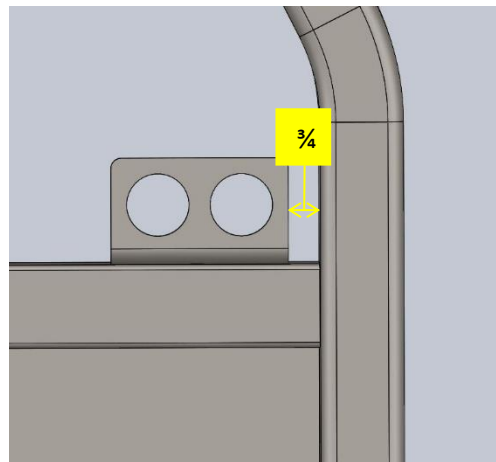
Please read these instructions prior to installing the kit. To prevent accidental injury, be sure that your Hydrabed hydraulic system has cooled sufficiently before installation.

Item No.	Part Number	Description	Quantity	
1	HA-8M3K-103.0	Quick coupler hose – 103.0"	2	
2	AD-6801-8-8	#8M JIC x #8M ORB 90° Elbow	2	
3	AD-6500-8-8	#8F JIC x #8M JIC 90° Elbow	2	
4	AD-6602-8-8-8	#8F JIC SWIV x #8M JIC x #8M JIC Run tee <i>(For 2 sets of quick couplers only)</i>	2	
5	AD-4250-15	Pioneer Quick Coupling #8 ORB	2	
6 7	HD-CL-TW500CL HD-CL-TW500CP	8M3K Twin Clamp 8M3K Cover Plate	1 1	
8	HD-RSE .05x1.387	External Snap ring	4	

9	AD-DUST CAP	Quick coupler dust cap	2	
10	FP-QB-200	Quick coupler bracket	1	
11	BO-5/16x1-3/4	5/16" x 1-3/4" bolt	1	
12	BO-5/16 FW	5/16" flat washer	1	
13	BO-5/16 HLN	5/16" nyloc nut	1	
14	BO-1/4x3/4 STS	1/4" x 3/4" Self-tapping screw	2	

- Place the quick coupler bracket (**Item 11**) on top of the headache rack cross tube, passenger side, at 3/4" from the inside face of the headache rack. The face of the bracket should be flush with the rearward face of the cross tube. Use the two (2) holes in the bracket to mark the location of the self-tapping screws (**Item 14**) to fasten the bracket onto the cross tube. Install the outside self-tapping screw and leave the inside screw unfastened to aid in installing the inside quick coupler. Figure 1

Figure 1



- Install two (2) of the four (4) snap rings (**Item 8**) into each of the lower grooves of both Pioneer quick couplers (**Item 5**). Install the o-ring base 90° elbows (**Item 2**) into the Pioneer quick couplers, tighten and set them aside.

3. Route the two (2) hoses (**Item 1**) between the top of the Hydrabed frame and the bottom of the floor plate approximately 12" from the front of the bed. Pull enough of the hoses through to reach the 3<sup>rd</sup> spool valve.
4. Thoroughly clean the 3<sup>rd</sup> spool hose fittings at the valve before removing the hoses to avoid contaminating the fluid and valve fittings. Use a container to catch the fluid and remove the 3<sup>rd</sup> spool hoses (**Note: This step is for two (2) sets of quick couplers. If only one set is to be used, skip to step 7).**
5. Connect the two (2) #8 JIC 90° elbows (**Item 3**) to the bottom fitting of the two (2) run-tees (**Item 4**) and leave loose to aid in hose installation.
6. Connect the assembled run-tees to the open 3<sup>rd</sup> spool valve ports as shown and reconnect the existing 3<sup>rd</sup> spool hoses to the tees. Leave the fittings loose to aid in new quick coupler hose installation. Figure 2

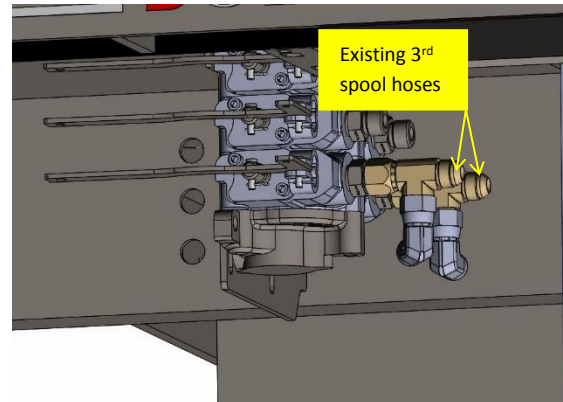


Figure 2

7. Connect the two (2) #8 JIC 90° elbows (**Item 3**) to the 3<sup>rd</sup> spool ports on the valve. Leave the fittings loose to aid in new quick coupler hose installation. Figure 3

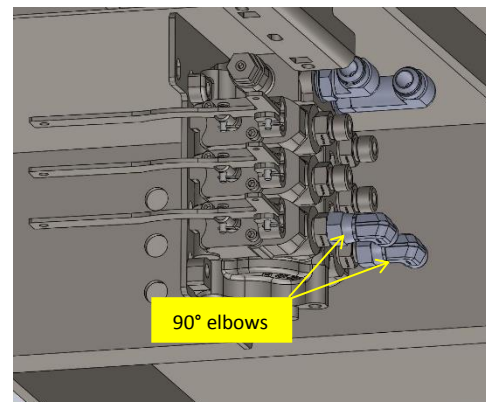


Figure 3

8. Connect two (2) new quick coupler front hoses to the JIC elbows. The elbows will have to be turned to make the elbows and hoses assemble easier. Once all attachments have been made, tighten all fittings to 36-39 lb. ft. Figures 4 & 5

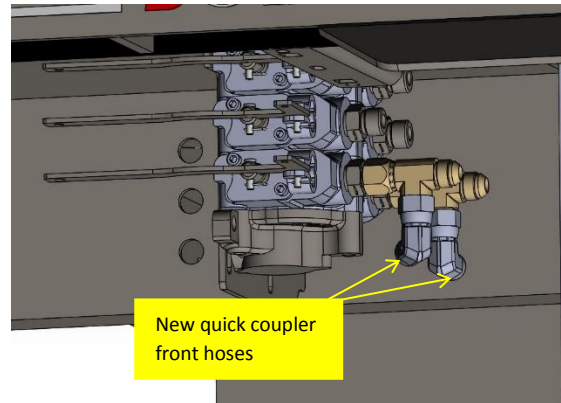


Figure 4

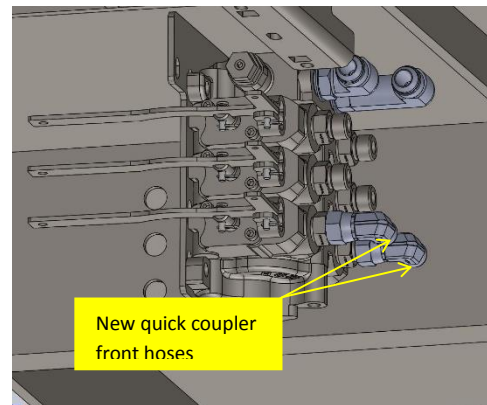


Figure 5

9. Thread the dust caps (**Item 9**) onto each of the new quick coupler hoses and connect the assembled quick couplers, from step 2, onto the new quick coupler hoses.

10. Measure 5" from the top of the Hydrabed floor plate and 2-1/2" from the inside of the headache rack tube and drill a 11/32" hole through the Hydrabed headache rack filler sheet. Figure 6
- Protect the cab of the vehicle from damage by the drilling operation.***

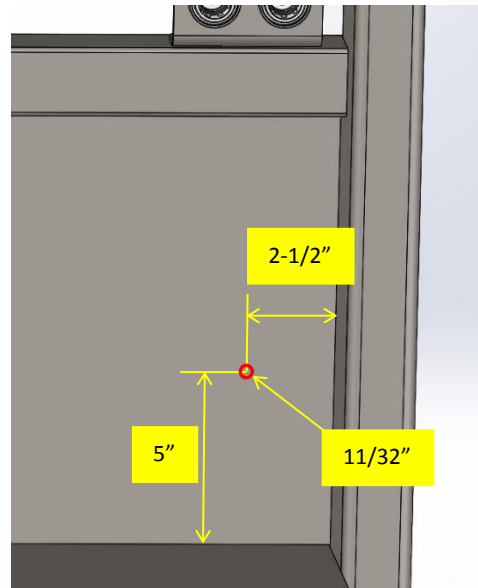


Figure 6

11. Insert one of the quick couplers through the inside hole of the quick coupler bracket and install a snap ring to hold it in place. Insert the remaining quick coupler through the outside hole and install the remaining snap ring to hold it in place. Align the faces of the quick coupler bracket and the headache rack cross tube and tighten the outside self-tapping screw. Tap and fasten the remaining self-tapping screw in the inside hole of the quick coupler bracket and tighten.
12. Thread the 5/16" bolt (**Item 11**) through the cover plate (**Item 7**) and hose clamp (**Item 6**). Align both quick coupler hoses and place assembled hose clamp on top of them threading the 5/16" bolt through the hole drilled in step 9. Figure 7

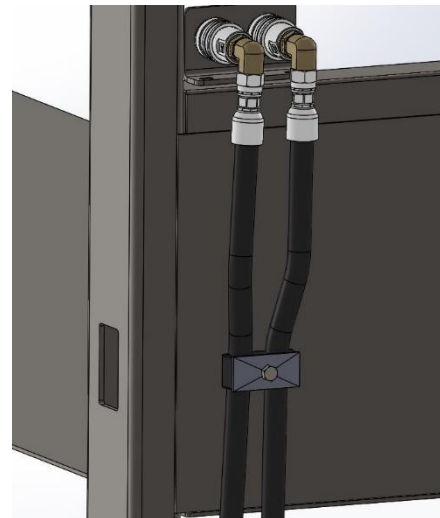


Figure 7

13. Place the 5/16" flat washer and 5/16" nyloc nut onto the 5/16" bolt and tighten.