

INSTALLATION
of
**Exapta[®]'s bracket for
Smallaire heat-exchanger**
on JD 1910 carts

1) Attach 'T' cross-members to upper part of stand/bracket using 3/8" x 4" bolts & locknuts.

2) Attach plate to base of stand/brkt using *only one* of the upper holes (see photo).

3) Lift bracket into position, letting the plate drop in behind the tube to support it. Location for some carts is shown in photos. Install other 3 bolts, tighten.



350-bu, 2-tank TBH



430-bu, 3-tank TBH



250-bu, 3-tank TBT

4) Attach heat-exchanger (HEX) radiator to cross-members using 3/8" x 1" bolts, flat washers & locknuts. Tighten.

5) Install fittings into radiator. Use high-quality sealant, not tape. Tighten. Ensure that relief valve and pressure gauge have been pre-installed and are tight.

6) Attach hoses to radiator. Tighten.

7) Attach flexible ducting to radiator using 10" hose clamp.

8) Remove the fan intake screen by removing fastening bolts. Attach plenum (circular sheet metal piece) using those same bolts. Attach ducting to this plenum using 10" hose clamp.



9) Connect hydraulic hoses to fan motor: The hydr hose coming from bottom RH port of HEx connects to return side of motor (RH side when looking at motor; see photo) using the appropriate adaptor (provided) (your motor will be either BOSS O-ring or JIC hoses; JD has used both). The hydr hose coming from upper LH port of HEx connects* to the return hose you removed from fan motor. *using the appropriate adaptor.

To sum it up, all that's happened is the HEx has been added into the return circuit of the motor.

The HEx is also fitted with a safety feature, a 300 PSI relief valve. In the event of a pressure spike or accidental disconnection of return hose, this valve will expel oil to prevent damage to HEx.



Note: It is extremely important to ensure that blower return line is coupled to tractor hydraulics return port before system start up.

When first using the HEx, ensure hydraulic flow is dialed down to minimum and once engaged gradually brought up to operating flow (remember, at this stage, the HEx is empty). This procedure should be used on all initial daily start-ups to allow oil to heat up before operating flow requirements are achieved, avoiding unnecessary oil discharge out relief valve.

10) Use zip-ties to secure hoses and ducting. Ducting is heavy, so tether it to the bracket to help support the weight.