DAT Industries
609 River Bend Way
Canton GA, 30114
(678) 932-9294

Operation & Setup Manual

Hydraulic Fan Hub Puller PAT. Pend.

Setup

- Wear proper eye protection when performing any of the below listed tasks.
- Loosen the hand wheel on hand pump ½ to ¾ of a turn to relieve any pressure in the hose assembly. Leave the hand wheel loose for now.
- Ensure that the 4 square-head set screws at the bottom of the puller are backed out enough to clear the piston assembly.
- Connect the Hydraulic Fan Hub Puller to the quick coupler on the end of the hose connected to the hand pump.
- Place hand pump above the puller. Using a small socket push the piston all the way into the RAM assembly until it bottoms out.
- Close the hand wheel on the hand pump. Operate the hand pump until the piston on the RAM assembly reaches full stroke. **DO NOT OVERLOAD** the RAM by continuing to operate the hand pump once the piston has reached the end of its stroke. Seal damage may be possible if the RAM is overloaded.
- Open the hand wheel on the hand pump to relieve the pressure.
- Using a small socket push the piston all the way into the RAM assembly until it bottoms out.
- Close the hand wheel on the hand pump. Operate the hand pump until the piston on the RAM assembly reaches full stroke. **DO NOT OVERLOAD** the RAM by continuing to operate the hand pump once the piston has reached the end of its stroke. Seal damage may be possible if the RAM is overloaded.
- Open the hand wheel on the hand pump to relieve the pressure.
- Repeat the above the above procedure until all air is bleed from RAM assembly, hose and pump.

(Over Please)

Operation

- Wear proper eye protection when performing any of the below listed tasks.
- Ensure that the power has been disconnected from the motor/blade assembly you intend to work on. Even though the motor is not running it could start at any time if the control system decides to turn it on or if the motor's internal overload resets. Double check that you have disconnected power to the correct motor/blade assembly. Follow proper Lock-Out/Tag-Out procedures to ensure power is not restored without your knowledge. Failure to observe the following could result in serious injury or death.
- If working above ground level be sure to follow proper safety precautions. The use of a safety harness or other safety equipment may be necessary to prevent a fall that could result in injury or death.
- Remove the fan guard assembly.
- Remove the set screws from the hub on the blade you are going to pull.
- Remove any caulk from the end of the hub on the blade you are going to pull.
- Spray the fan hub with penetrating oil such as PB Penetrating Catalyst, though not necessary it will help prevent galling of the fan hub and or motor shaft making reassembly much easier.
- Ensure that the 4 square-head set screws at the bottom of the puller are backed out enough to clear the piston assembly.
- Close the hand wheel on the hand pump. Operate the hand pump until the piston on the RAM assembly reaches full stroke. **DO NOT OVERLOAD** the RAM by continuing to operate the hand pump once the piston has reached the end of its stroke. Seal damage may be possible if the RAM is overloaded.
- Loosen the hand wheel on hand pump ½ to ¾ of a turn to relieve any pressure in the hose, RAM and pump assemblies. Leave the hand wheel loose for now.
- Ensure that the 4 square-head set screws at the bottom of the puller are backed out enough to clear the fan hub.
- Place the tapered point of the piston on the end of the motor shaft and push the puller down until it bottoms on the fan blade.
- Evenly tighten the 4 square-head set screws at the bottom of the puller keeping the puller centered at all times.
- Close the hand wheel on the hand pump. Operate the hand pump until the fan blade is pulled from the shaft. Once the RAM assembly has reached full stroke. **DO NOT OVERLOAD** the RAM by continuing to operate the hand pump. Seal damage may be possible if the RAM is overloaded.