

SPIDER REMOVAL TIPS

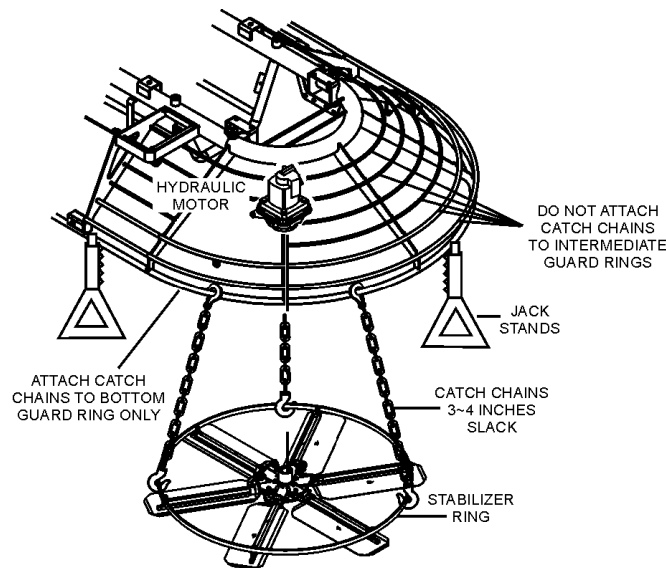


WARNING: This unit has several sharp edges! Safety precautions should be followed at all times when servicing this equipment. Consult operations manual for more safety information.

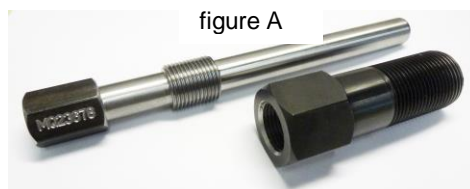


- 1) The spider has threads machined into the center to assist with removal. These threads can be found behind a plastic plug that has been installed from the factory to protect the threads from contaminants.
- 2) Before proceeding, make sure the threads are clean of debris by using compressed air or a cleaning solvent such as brake cleaner.
- 3) When separating the spider from the drive motor, always use a small amount of lubricant on the threads only to help with the disassembly process. Ensure no lube would come in contact on the output shaft of the drive motor.

Note: This action of separation will be sudden. Keep in mind that some type of support should be in place to catch the assembly and keep it from falling. Three equally spaced traps or chains attached from the main frame to the ring stabilizer will work.

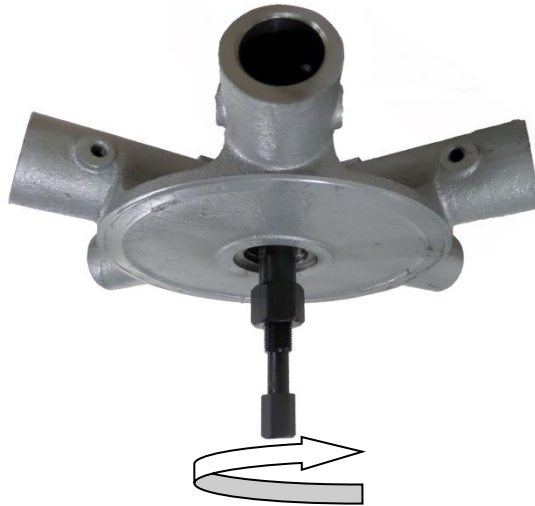


- 4) Using the Spider Removal tool **MQ Part # 32194** (figure A), lubricate the outside thread and tip of the tool that drives into the motor shaft.





- 5) Thread the outer block of the tool into the base of the spider. You can use an impact wrench to secure it tight.
- 6) Take the inner portion of the tool and thread it into the outer tool. Turn the inner tool clockwise. This will create an effort force that will overcome the resistance force that binds the spider to the tapered shaft.



***In some cases if the spider does not disengage, striking the end of the spider with a hammer can help dislodge the tapered fit shaft.**

- 7) Wipe off any lubricant that might have come in contact on the drive motor output shaft. For tips on installing the spider back on the main unit see the Technical Information document titled "HTX-STX Spider Installation Tips".