

SPRING-BRAKE CHAMBER CAGING INSTRUCTIONS

APRIL 2015

WARNING: Spring-Brake Chambers are under extreme pressure and can cause serious personal injury, especially if caging is attempted by anyone not experienced in servicing these units. It is good practice to always stand to the side of the spring-brake when caging or releasing.

CAGING A SPRING-BRAKE CHAMBER

1. First, remove the dust cap located at the end of the brake chambers spring / parking side. Then, remove the release bolt from the holder located on the side of the aluminum center section. This is done by simply removing the nut and washer from the release bolt. Then, slide the bolt from its holder and reattach the washer and nut to the bolt.
2. Then, make sure you SECURE the brake chamber on a table and apply between 100-120 PSI to the parking side inlet port marked PARKING / 12. This will collapse the parking spring internally. Maintain this pressure throughout this caging procedure.
3. Insert the T-END of the RELEASE BOLT into the parking side bolt-hole until the T-END of the RELEASE BOLT makes contact with the spring plate. Then, turn the RELEASE BOLT-CLOCKWISE 180 DEGREES while pulling back slightly until the T-END slides into the spring plates GROOVE. You should be able to FEEL the T-END slide into the GROOVE. (If, this is your first time caging a brake chamber. Try turning the RELEASE BOLT back and forth a couple times feeling the T-END of the RELEASE BOLT slide into and out of the groove. This will help you feel the T-END drop into the groove and seat properly).



CUT-A-WAY
SPRING-PLATE
T-BOLT SECTION



INSERT
T-END INTO
SPRING-PLATE



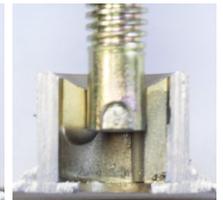
T-END
CONTACTS
BOTTOM



START
TURNING
RELEASE BOLT
CLOCKWISE



RELEASE BOLT
FULLY
TURNED
180 DEGREES



PULL BACK
SLIGHTLY
TO FULLY
SEAT T-END
IN GROOVE

4. Now, with the T-END properly seated in the spring plates groove, screw the nut and washer up to the end of the housing. Finger tight at first while making sure the T-END remains seated inside the spring plate groove.
5. Last, with a hand-wrench, you can tighten the release bolt nut to roughly 20' lbs. NEVER use an impact wrench as you could damage the unit and possibly cause the main spring to release potentially causing bodily harm.
6. The RELEASE BOLT is now MECHANICALLY holding the parking spring in the collapsed position so you can SLOWLY RELEASE the air pressure from the unit.

NOTE" THE THREADED END OF THE RELEASE BOLT WILL EXTEND ROUGHLY 2 1/2" OR MORE OUT OF THE NUT WHEN THE SPRING-BRAKE CHAMBER IS FULLY CAGED...

RELEASING A CAGED SPRING-BRAKE CHAMBER

1. APPLY between 100-120 PSI to the parking side inlet port marked PARKING / 12. This will collapse the parking spring internally.
2. Now, with a hand-wrench you can loosen and remove the release bolt nut.
3. SLOWLY RELEASE the air pressure from the unit.
4. Reinstall the release bolt back in the center section holder...



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