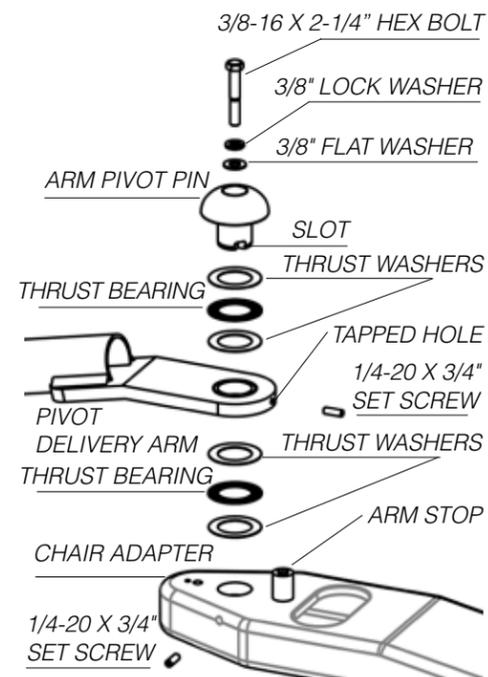


DELIVERY BEARING ASSEMBLY

- STEP 1:** Place a thrust washer on the bearing surface of the arm pivot pin.
STEP 2: Add thrust bearing, followed by a second thrust washer.
STEP 3: Insert arm pivot pin and bearing stack into pivot delivery arm.
STEP 4: Position a thrust washer onto the flat member of the pivot delivery arm and arm pivot pin.
STEP 5: Add the second thrust bearing followed by a third thrust washer.
STEP 6: Insert the arm pivot pin and pivot delivery arm with thrust bearings and washers into the chair adapter.

CAUTION: To avoid damage to the pivot bushing, do not use force when installing the arm pivot pin into the pivot delivery arm.

- NOTE:** Engagement is a slip fit, provided the pivot delivery arm is held in alignment.
STEP 7: Make sure the arm pivot pin slot faces the side of the pivot delivery arm having the tapped hole.
STEP 8: Seat the bearing assembly until the arm pivot pin is in full contact with the bottom and sides of the chair adapter.
STEP 9: Add one drop 242/243 blue Loctite to the 3/8-16 x 2-1/4" hex bolt threads. Using lock washer and flat washer, secure arm pivot pin to chair adapter.
STEP 10: Add one drop 242/243 blue Loctite to the 1/4-20 x 3/4" set screw threads and insert into the threaded hole on the chair adapter. Tighten the set screw to prevent the arm pivot pin from rotating.
STEP 11: Add one drop 242/243 blue Loctite to the 1/4-20 x 3/4" set screw and insert into the threaded hole in the flat end of the pivot delivery arm.
STEP 12: Engage the 1/4-20 x 3/4" set screw with a 1/8" hex key to deform the internal bushing against the arm pivot pin until a 3-pound force is achieved to rotate the pivot delivery arm.

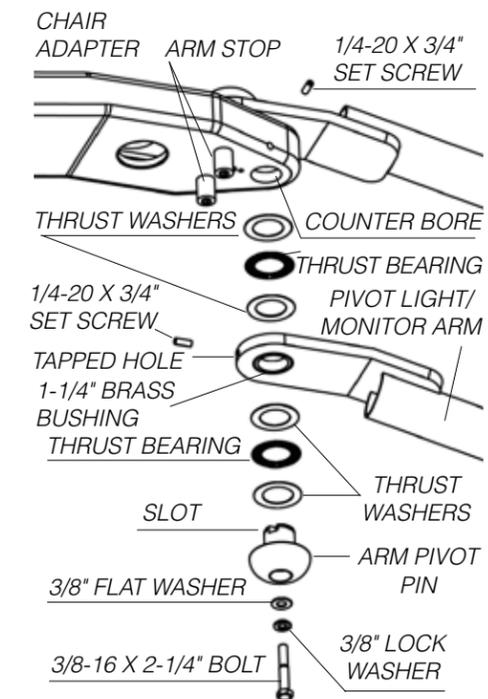


LIGHT/MONITOR BEARING ASSEMBLY

- STEP 1:** Plug in the chair to mains power.
STEP 2: Raise the chair base to its upper travel limit and disconnect from mains power.
STEP 3: Place a thrust washer, bearing and another thrust washer onto the arm pivot pin. Insert the arm pivot pin and bearing stack through the 1-1/4" brass bushing at the end of the pivot light/monitor arm. Place another thrust washer, bearing and thrust washer onto the arm pivot pin.
STEP 4: While holding the bearings and arm pivot pin in the pivot light/monitor arm, align the slot in the arm pivot pin with the chair adapter's bottom counter bore. Adjust the pivot light/monitor arm and arm pivot pin so it will slide into the counter bore.

CAUTION: To avoid damage to the pivot bushing, do not use force when installing the arm pivot pin into the pivot light/monitor arm.

- NOTE:** Engagement is a slip fit, provided the pivot light/monitor arm is held in alignment.
STEP 5: Seat the bearing assembly until the arm pivot pin is in full contact with the bottom and sides of the chair adapter.
STEP 6: Make sure the arm pivot pin slot faces the side of the light/monitor arm having the tapped hole.
STEP 7: Add one drop 242/243 blue Loctite to the 3/8-16 x 2-1/4" hex bolt threads. While holding the pivot light/monitor arm in position, install the 3/8-16 x 2-1/4" hex bolt with 3/8" lock and flat washers through the arm pivot pin so that it threads into the chair adapter. Tighten the bolt enough to remove most of the clearance between the bearings.
STEP 8: Finish tightening the bolt in the arm pivot pin until all the clearance between the bearings are eliminated and the pivot light/monitor arm move freely.
STEP 9: Add one drop 242/243 blue Loctite to 1/4-20 x 3/4" set screw threads and insert into the threaded hole on the chair adapter. Tighten the set screw to prevent the arm pivot pin from rotating.
STEP 10: Add one drop 242/243 blue Loctite to the 1/4-20 x 3/4" set screw threads and insert into the threaded hole in the flat end of the pivot light/monitor arm.
STEP 11: Engage the 1/4-20 x 3/4" set screw with a 1/8" hex key to deform the internal bushing against the arm pivot pin until a 3-pound force is achieved to rotate the pivot light/monitor arm.



Forest DENTALEZ

PIVOT CHAIR ADAPTER, DELIVERY AND LIGHT

INSTALLATION INSTRUCTION

ALERT SYMBOL KEY

The safety notices associated with the following should be given special attention when they appear in maintenance, operating and emergency procedures in the guide.

WARNING: indicates that the personal safety of the patient, end user or technician could be compromised by disregarding the WARNING. Not following instructions may result in an injury.

CAUTION: indicates that a particular procedure or precaution must be followed to avoid system irregularity or possible damage to the product.

NOTE: indicates special information to improve the ease of maintaining the product, or to clarify important information.

CAUTION: Field modifications that alter the electrical and/or mechanical safety of Forest™ products conflict with agency construction file requirements and are not sanctioned by Forest.

NOTE: Installation Verification: Refer to Operator's Guide and perform all operations. If operations performing as intended installation complete. If operations not performing as intended, review steps in installation instructions to confirm correct installation or call Technical Support at 800-423-3555.

Tools Required: 1/8", 3/16", 5/32" & 5/16" Allen Wrenches, 1/8", & 5/16" Allen Sockets with Torque Wrench, 15/16" Wrench, Standard and Metric Hex Key Set, Flathead Screwdriver, Bubble Level, and Nitrile Gloves (included).

CHAIR ADAPTER INSTALLATION

STEP 1: Plug in chair to mains power.

STEP 2: Raise the chair base and back to full up position.

STEP 3: Unplug the chair from the mains power.

NOTE: Skip steps 4-7 if chair adapter is already installed.

STEP 4: Position the chair adapter so that the lip of the chair rests underneath the lip of the washer. The mount will hold itself in place (FIG. 1).

STEP 5: Slide lip of the washer onto lip of the chair (FIG. 2).

STEP 6: Install the 15/16" mounting bolt loosely into the back of the mount and into the chair (FIG. 3).

STEP 7: Place a level on the chair adapter, parallel with and perpendicular to the chair center line (FIG. 4).

STEP 8: Verify the chair adapter is level.

NOTE: If leveling is necessary, adjust the 3/16" set screws (3) until the unit chair adapter is level (FIG. 3).

STEP 9: Tighten 15/16" mounting bolt (55 foot-pounds) (FIG. 3).



FIG. 1:

FIG. 2:



LIP OF CHAIR



SLIDE WASHER OVER LIP OF CHAIR

NOTE: Verify steps 7, 8 and 9 after unit and light are installed. Re-level if necessary.



FIG. 4:



3900 CHAIR LIFT STOP/SPACER INSTALLATION

CAUTION: A base down stop is not likely installed on your existing chair if a pivot light is being added aftermarket. One must be installed if the pivot light is attached to the bottom of the chair adapter (refer to page 4, Light/Monitor Bearing Assembly). Failure to install the appropriate down stop may result in the motor pump cover being damaged when the chair is positioned full base down.

NOTE: If stop was installed at Forest™, proceed to bottom of page 3, Level Delivery and Light Pivot Arm(s).

STEP 1: Using a 1/8" hex key, remove the screws (4) on the sides of the pump-cover (FIG. 1).

STEP 2: Using a flathead screwdriver, remove shoulder bolt and safety stop plate (FIG. 2).

CAUTION: A wire is connected to the indicator light. Be sure not to pull cover completely off before next step.

STEP 3: Lift upper cantilever cover off the chair lift frame (FIG. 3-3.2).

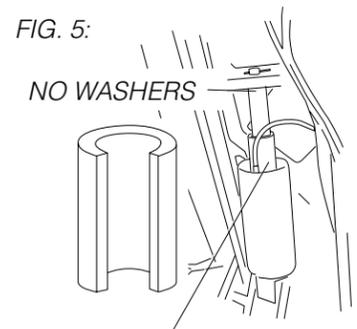
STEP 4: Press release clip to disconnect wire (FIG. 4).

BASE DOWN STOP/SPACER

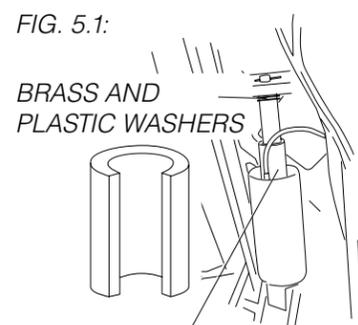
STEP 5: Install the appropriate base down stop over the lift cylinder rod (FIG. 5-5.2).

STEP 6: Ensure the stop straddles the vent tube.

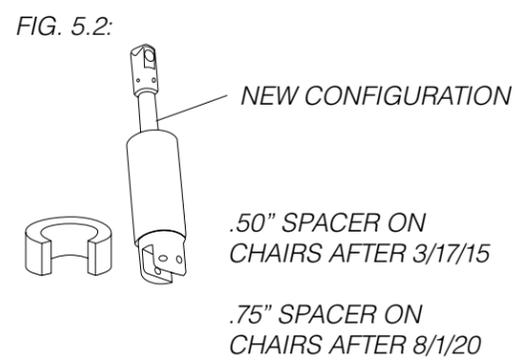
STEP 7: Reinstall the safety stop plate (FIG. 2).



2" SPACER ON CHAIRS AFTER 7/8/13



1.75" SPACER ON CHAIRS PRE 7/8/13



.50" SPACER ON CHAIRS AFTER 3/17/15
.75" SPACER ON CHAIRS AFTER 8/1/20

FIG. 1:



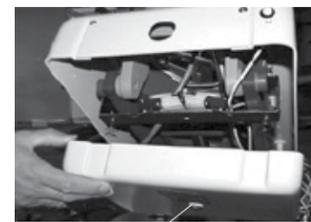
FIG. 3:



FIG. 3.2:



FIG. 2:

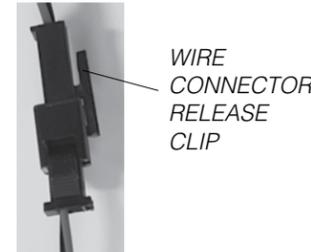


SHOULDER BOLT

FIG. 3.1:



FIG. 4:



WIRE CONNECTOR RELEASE CLIP

REMOVING 3800 CHAIR COVERS AND INSTALLING LIFT STOP

STEP 1: Using a 1/8" hex key, remove the screws (2) on the sides of the pump cover (FIG. 1).

STEP 2: Slide pump cover forward and lift front tabs over brackets (2) to remove pump cover (FIG. 2-2.1).

STEP 3: Turn rear side covers (2) counter clockwise to remove (FIG. 3).

CAUTION: A wire is connected to the indicator light. Be sure not to pull cover completely off before next step.

STEP 4: Lift upper cantilever cover off the chair lift frame (FIG. 4-4.2).

STEP 5: Press release clip to disconnect wire (FIG. 5).

STEP 6: Using a 5/32" hex key, remove the screws (2) on each side of the upper rear cover (FIG. 6).

STEP 7: Remove upper rear cover (FIG. 7-7.1).

CAUTION: A wire is connected to the memory button. Be sure not to pull cover completely off before performing the next step.

STEP 8: Disconnect the memory button wire connector by pressing the release clip. Remove upper rear cover (FIG. 8).

STEP 9: Using both hands, spread the safety stop plate and pull outward to lift cover over bolts on each side. Remove cover (FIG. 9).

STEP 10: Install stop on top of base cylinder (FIG. 10).

FIG. 1:

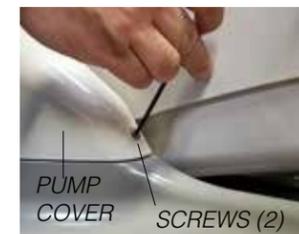


FIG. 2.1:

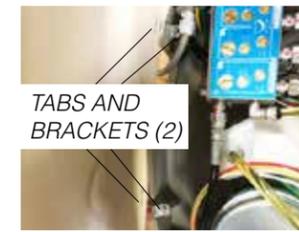


FIG. 4:



FIG. 2:



FIG. 3:



FIG. 4.1:

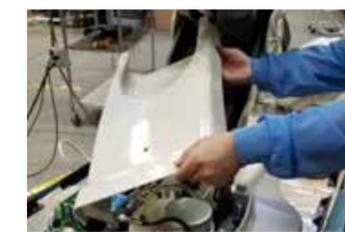


FIG. 4.2:

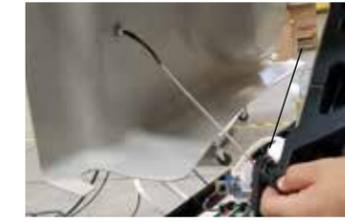


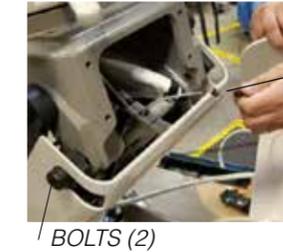
FIG. 6:



FIG. 7.1:



FIG. 9:



BOLTS (2)

FIG. 5:

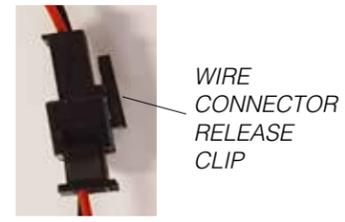


FIG. 7:



FIG. 8:

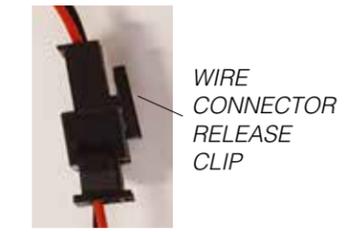


FIG. 10:



LEVEL DELIVERY AND LIGHT PIVOT ARM(S)

STEP 1: Install bearing assemblies (refer to page 4).

STEP 2: Level pivot posts with bubble levels (FIG. 1).

STEP 3: Reinstall chair covers after delivery and/or light is installed by reversing steps in "Removing Chair Covers" section.

FIG. 1:

