

AERON® SECTOR GEAR & TILT LIMITER CABLE REPLACEMENT

TOOLS REQUIRED: 6MM HEX BIT
RATCHET WRENCH
1" PUTTY KNIFE
#2 PHILLIPS HEAD SCREWDRIVER
SMALL NEEDLE NOSE PLIERS
STRAIGHT HEAD SCREWDRIVER
TORQUE WRENCH, 225 IN-LB CAPACITY

PROCEDURE:

NOTICE

Make sure fasteners are torqued to specified values.

⚠ CAUTION

Support seat link while removing seat link from chair. Failure to comply may cause seat link to fall causing product damage.

1. WITH SEAT LINK SUPPORTED AND USING 6MM HEX BIT AND RATCHET WRENCH, REMOVE AND SAVE FRONT SHOULDER SCREW.

NOTE: IF SPACER IS USED BETWEEN TILT COVER AND SEAT LINK, REMOVE SPACER AND SET ASIDE. IF BUSHINGS USED IN SEAT LINK BECOME DISLODGED, SET ASIDE.

LET SEAT LINK HANG FREE. REPEAT FOR OPPOSITE SIDE. SEE FIGURES 1 & 2.

⚠ CAUTION

If threaded inserts turn while removing hip pivot screw from seat frame, STOP IMMEDIATELY and follow instructions.

2. USE RATCHET WRENCH AND 6MM HEX BIT TO REMOVE HIP PIVOT SCREW FROM SWING ARM. IF THREADED INSERT TURNS WITH HIP PIVOT SCREW, STOP IMMEDIATELY AND DO FOLLOWING: TIGHTEN HIP PIVOT SCREW INTO THREADED INSERT AS MUSH AS POSSIBLE. USING QUICK JERKING MOTION WITH RATCHET WRENCH, BACKOUT HIP PIVOT SCREW. IF THREADED INSERT STILL TURNS WITH HIP PIVOT SCREW, REPEAT PROCESS. REPEAT FOR OPPOSITE SIDE AND REMOVE SEAT WITH ATTACHED SEAT LINKS. SEE FIGURE 4.
3. APPLY THUMB PRESSURE ON FRONT OF BOTTOM TILT COVER TO START SEPARATION OF TILT COVERS. INSERT 1" PUTTY KNIFE BETWEEN TOP AND BOTTOM COVERS AND TWIST TO COMPLETELY SEPARATE TILT COVERS. SET TOP TILT COVER ASIDE. SEE FIGURES 5 & 6.
4. USING #2 PHILLIPS HEAD SCREWDRIVER REMOVE AND SET ASIDE (2) SCREWS SECURING BOTTOM TILT COVER TO TILT. REST BOTTOM TILT COVER ON CHAIR BASE. SEE FIGURE 7.

NOTICE

Tilt Limiter must be in released position to service. (Tilt limiter lever all the way down).

5. TILT LIMITER MUST BE IN RELEASED POSITION (TILT LIMITER LEVER ALL THE WAY DOWN). USING SMALL NEEDLE NOSE PLIERS, REMOVE SPRING FROM SECTOR GEAR AND LET HANG DOWN. SEE FIGURE 8.
6. USING SMALL STRAIGHT HEAD SCREWDRIVER, REMOVE E-RING SECURING REAR LIMIT CAM AND SET ASIDE. REMOVE REAR LIMIT CAM AND SET ASIDE. REMOVE SECTOR GEAR, WITH CABLE ATTACHED, FROM SECTOR GEAR POST AND LET HANG. SEE FIGURE 9.

⚠ CAUTION

When removing screw holding tilt control to swing arm, isolate from other hardware. Failure to use same screw in same location will cause product damage.

7. USING #2 PHILLIPS HEAD SCREWDRIVER, REMOVE AND SET ASIDE SCREW FASTENING TILT CONTROL TO SWING ARM. KEEP THIS SCREW ISOLATED FROM ALL OTHER HARDWARE WHILE UNDERGOING THIS PROCEDURE. SEE FIGURE 10.
8. USING #2 PHILLIPS HEAD SCREWDRIVER, REMOVE AND SET ASIDE (2) SCREWS FASTENING TILT CONTROL COVER TO TILT CONTROL HOUSING. SET ASIDE TILT CONTROL COVER. SEE FIGURE 10.
9. REMOVE AND SET ASIDE PAD AND SPRING FROM TILT LIMITER LEVER. REMOVE TILT LIMITER CABLE FROM TILT LIMITER LEVER. PROPERLY DISPOSE OF TILT LIMITER CABLE AND ATTACHED SECTOR GEAR. SEE FIGURE 11.
10. SELECT APPROPRIATE SECTOR GEAR, ONE THAT PIVOTS ON POST OF TILT (OLDER VERSION) OR ONE WITH INTEGRAL PIVOTING POST THAT INSERTS IN TILT (NEWER VERSION). INSERT L-SHAPED END OF REPLACEMENT TILT LIMITER CABLE INTO KEYHOLE SLOT IN REPLACEMENT GEAR. SEE FIGURE 12.
11. SLIDE SECTOR GEAR AND ATTACHED TILT LIMITER CABLE ONTO SECTOR GEAR POST/SECTOR GEAR MOUNTING HOLE. ATTACH SPRING TO SECTOR GEAR. SEE FIGURES 13 & 14.
12. SLIDE REAR LIMIT CAM ON CAM POST, ALIGNING TIMING MARKS ON SECTOR GEAR AND REAR LIMIT CAM. SECURE WITH E-RING. SEE FIGURE 14.
13. SLIDE REPLACEMENT TILT LIMITER CABLE COUPLING INTO SLOT IN TILT LIMITER LEVER. INSERT SPRING OVER CABLE INTO CAVITY OF LEVER. PLACE PAD OVER SPRING. SEE FIGURE 11.
14. INSTALL TILT CONTROL COVER ON TILT CONTROL HOUSING AND SECURE WITH (2) SCREWS. SEE FIGURE 10.
15. SECURE TILT CONTROL TO SWING ARM WITH SCREW. SEE FIGURE 10.

⚠ CAUTION

Make sure all cables are routed through cable penings on tilt cover before snapping tilt cover in place or product damage may occur.

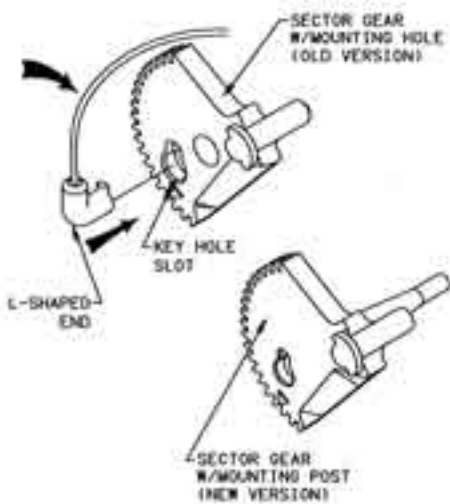


FIGURE 12

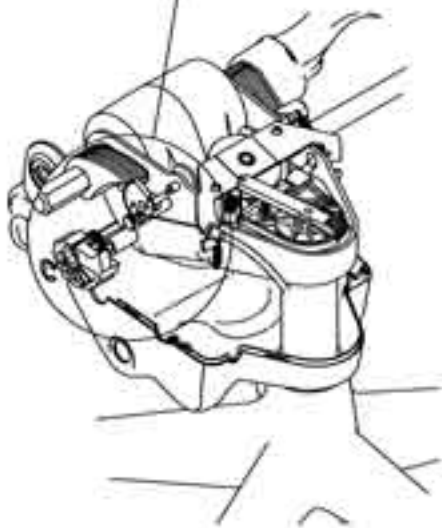
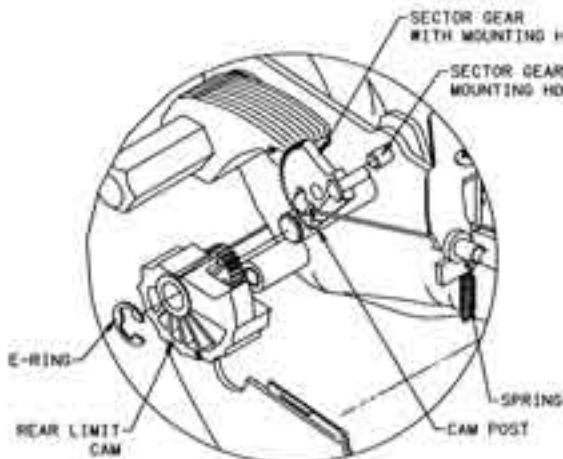


FIGURE 13
(FIGURE SHOWN WITH SEAT
FRAME REMOVED)

15. SLIDE BOTTOM TILT COVER UP TO TILT. MAKE SURE NOTCHES IN TILT SPACER GROOVES ENGAGE SLOTS IN TILT COVER. IF NECESSARY, ROTATE TILT SPACERS TO ALIGN NOTCHES WITH SLOTS. ALIGN (2) HOLES IN TILT COVER TO HOLES IN TILT. REINSTALL (2) SCREWS AND TIGHTEN. SEE FIGURE 7.
16. PLACE TOP TILT COVER ON TILT AND ALIGN TO BOTTOM TILT COVER. ROUTE ALL CABLES THROUGH CABLE OPENINGS AND SNAP COVERS TOGETHER. SEE FIGURE 8.
17. PLACE SEAT FRAME WITH ATTACHED SEAT LINKS BETWEEN SWING ARMS. INSERT SCREWS SECURING SEAT FRAME TO SWING ARM. TORQUE SCREW TO 175-225 IN-LBS. SEE FIGURE 4.

NOTICE

On older chairs, bushings may become dislodged from seat link while chair is serviced. Check all unattached seat link ends to account for bushings and proper orientation of bushings before attaching to chair.

NOTICE

On older chairs, hold bushings in seat link while mounting to chair.

18. ALIGN MOUNTING HOLE OF SEAT LINK TO THAT OF TILT AND HAND THREAD FRONT SHOULDER SCREW. IF CHAIR WAS EQUIPPED WITH SPACERS AND BUSHINGS, MAKE SURE ALL BUSHINGS ARE ACCOUNTED FOR AND ORIENTED TO NOTCH IN SEAT LINK BEFORE INSTALLING AND SPACERS ARE INSTALLED BETWEEN SEAT LINKS AND TILT COVER. TORQUE SCREW TO 120-150 IN-LBS. REPEAT FOR OPPOSITE SIDE. SEE FIGURES 1-3.

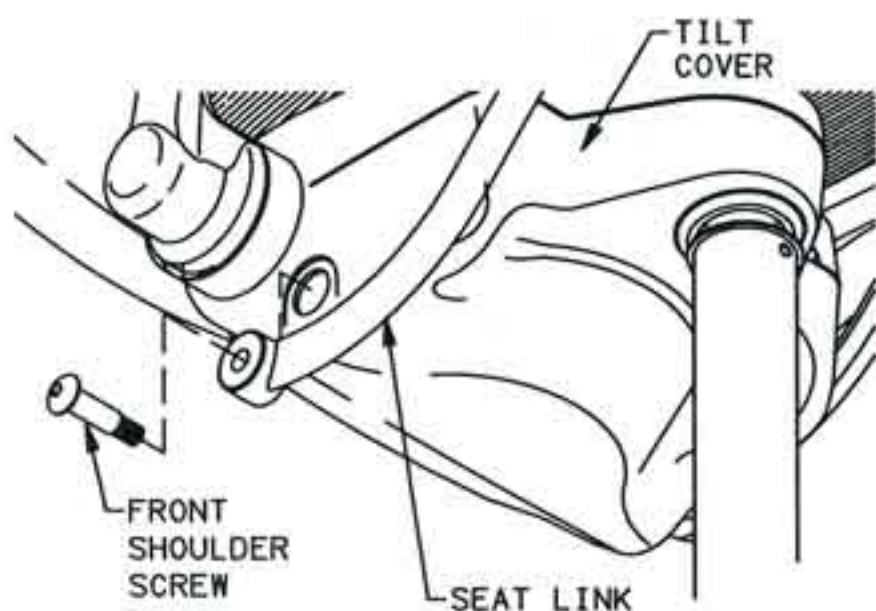


FIGURE 1

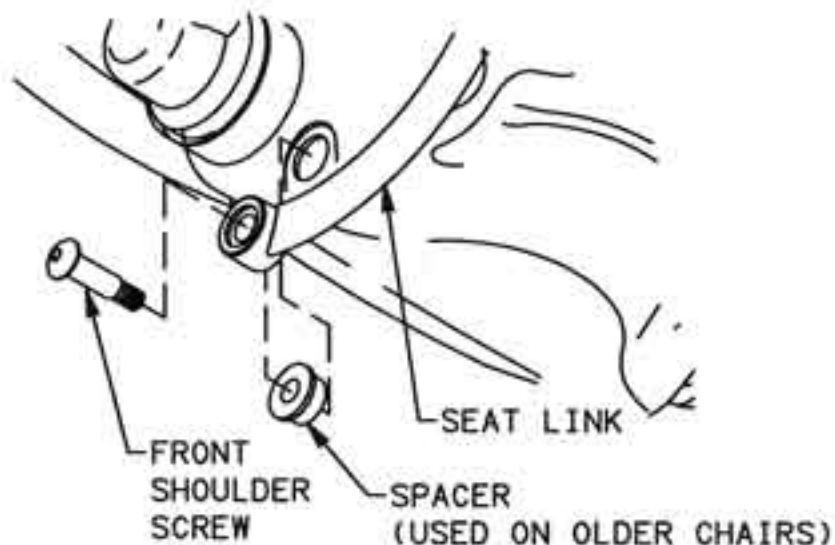


FIGURE 2

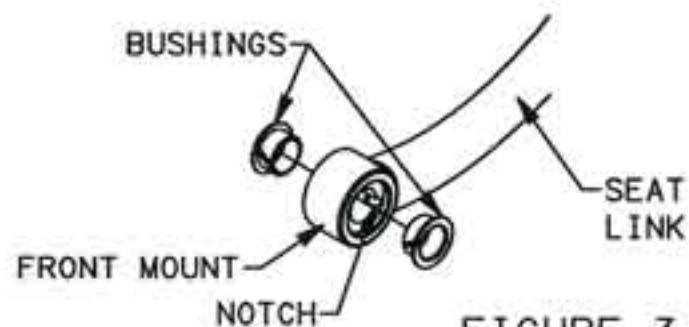


FIGURE 3

(FIGURE SHOWN FOR OLDER CHAIRS)

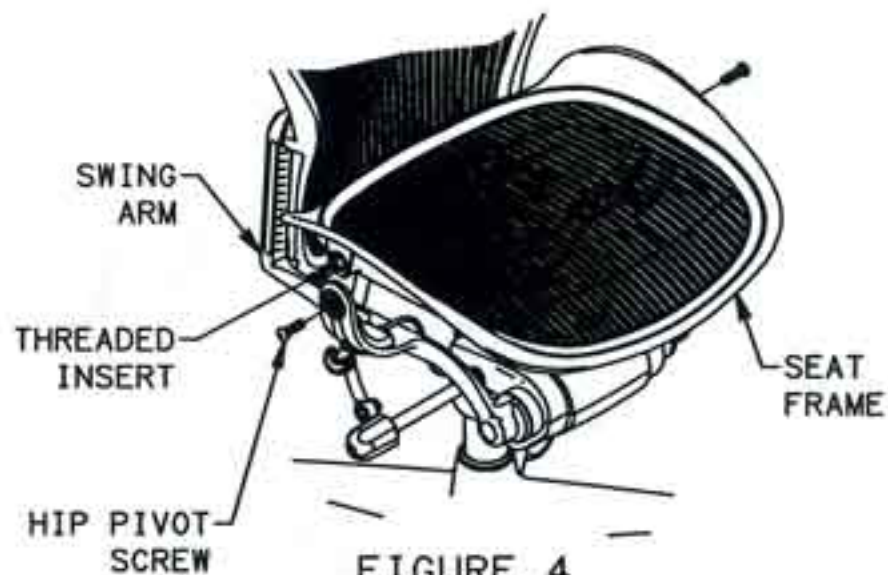


FIGURE 4

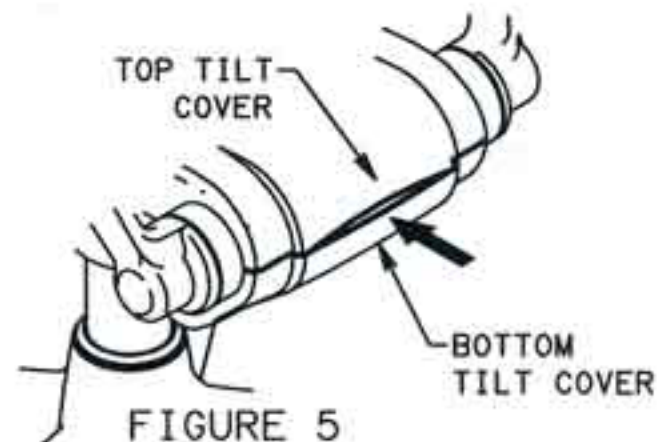


FIGURE 5

(FIGURE SHOWN WITH SEAT FRAME REMOVED)