

SERVICE INFORMATION LETTER SI 01.05

Machines/Models: LX series

Serial Numbers: non-specific

DATE: December 04, 2001

PURPOSE: Improve braking endurance.

PROCEDURE REQUIRED: Remove the existing brake and shaft, modify planetary hub.

PROCEDURE: Optional.

PARTS REQUIRED: One of the following kits:

031024-000 Fairfield Torque Hub (ser.#1000-2297 and 2522-4022)

031025-000 Heco Torque Hub (ser.#2298-2521)

CONDITIONAL WARRANTY REIMBURSEMENT: UpRight will reimburse the owner of record for 3 hours of labor at \$60.00 per hour for machines that are under warranty. Reimbursement will be made upon receipt by UpRight of your completed Warranty Claim Form. Please reference SI01.05 on your Warranty Claim Form. Owners of machines that are beyond the warranty period will be able to purchase the necessary components via the normal parts ordering process.

1. Raise and block the rear of the machine.
2. Remove the left and right rear wheels and axle cover plates.
3. Remove the left and right rear wheel drive motor, brake and torque hub assembly.
Note: Use a suitable lifting device to remove the assembly.
4. Set the torque hub assemblies on a work surface with the wheel bolts down so that the assembly is resting on the wheel bolts and the motors are on top. Rotate the torque hub until the oil fill hole is positioned to the front (facing you).
5. Separate the drive motor, brake assembly and the torque hub.

Torque Hub Rework:

Note: There is no need to drain the oil from the torque hub for this procedure.

6. Draw an index line using a scribe or marker down the front of the torque hub assuring each part of the torque hub is marked. This will aid in the re-assembly.
7. Remove the oil fill plug from the rear cover plate and reinstall in the supplied rear cover plate.
8. Remove the twelve bolts securing the torque hub aft cover plate and discard the cover plate (retain the bolts for reassembly-note the 4 bolts that have specially machined shoulders for alignment).
9. Remove the sun gear (center splined shaft) from the planetary gears and discard.
10. Insert the supplied 1" spacer into the planetary gears (assure that it is bottomed out in the housing).

If you have any questions regarding this Service Information Letter, please contact the UpRight Product Support Department by telephone at (800) 926-5438 from within the USA or at (559) 891-5200 outside the USA or by FAX at (559) 891-8931.

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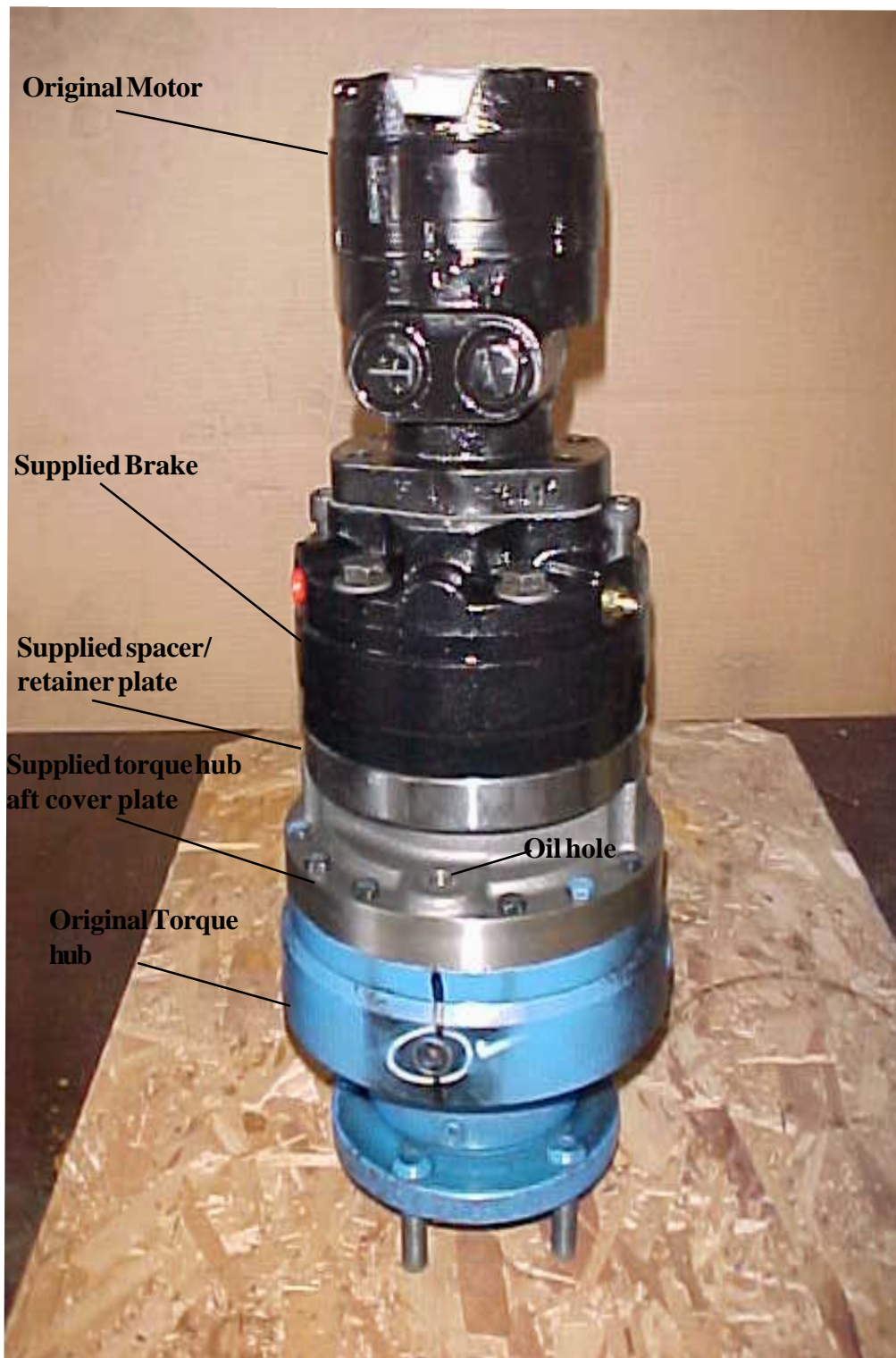
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11. Insert the supplied sun gear (center splined shaft) into the planetary gears.
12. Install the supplied hub aft cover plate, using the supplied white o-ring (verify the alignment, refer to step 4) Align with the special shoulder bolts removed in step 5.
13. Install all twelve bolts and torque to 23-27 ft lbs.
14. Install the supplied thrust washer and o-ring into the supplied adapter plate (use of grease will help in retention and installation of o-ring and thrust washer).
15. Install new gasket and new brake to the back of the torque hub using the supplied 1/2 x 4-3/4 socket head mounting bolts and torque to 75 ft lbs (orient brake so that the oil ports are directed toward front as designated by index line applied in step 6).
16. Install new gasket and original drive motor to brake/torque hub assembly and torque to 75 ft lbs.
17. Reinstall the assembly into the rear of the machine torque bolts to 75 ft. lbs.
18. Repeat steps 4 through 13 for the opposite rear wheel motor assembly.
19. Reinstall the left and right rear wheels.
20. Lower machine down off of the safety stands
21. Perform Pre-Operation and Safety Inspection as instructed in the Operator Manual to ensure proper operation of machine.

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REV	DESCRIPTION	DATE	CHGD. BY
0	NEW DRAWING RELEASE	8/3/01	NWW

REUSE BOLTS FROM EXISTING ASSEMBLY
TORQUE TO 23-27 FT-LBS

EXISTING RING GEAR

TORQUE HUB HOUSING

SEE DETAIL "A" BELOW

INSERT ITEM 3H INTO HOLE IN CENTER OF HUB

DETAIL A

3H	SPACER	1	
3G	O-RING, BLACK	1	
3F	O-RING, WHITE	1	
3E	COVER PLATE	1	
3D	SUN GEAR INPUT SHAFT	1	
3C	THRUST WASHER	1	
3B	O-RING	1	
3A	ADAPTER PLATE	1	
3	031023-001 TORQUE HUB ENHANCEMENT KIT	1	
2	012030-038 SCREW, SOC HD 1/2-13 X 4.34	2	
1	031023-002 DISC BRAKE	1	
ITEM	PART NO.	PART / MATERIAL DESCRIPTION	QTY

PART NAME
LX BRAKE ENHANCEMENT KIT
UpRight, INC.

DWG. NO.	DWG. DATE	APD BY	DATE	CHD BY	DATE
B	8/20/01				
SCALE:	PART NO. 031023-000			SHEET	OF

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