 SECTION/CATEGORY Customer Service	FIELD SERVICE BULLETIN: S3u/y STEERING LUBE INSTRUCTIONS	DOCUMENT NUMBER 1120.0190.01	REVISION 02
		DATE MARCH 15, 2010	PAGE 1 of 6

1.0 PURPOSE




This document highlights the procedure to lubricate the top two bearings in the S3u and S3y steering assembly. The steps highlighted below can be use to loosen / free-up a sticky or binding handlebar or as a preventive step to ensure the bearing are well lubricated.

2.0 SCOPE

This procedure covers the preparation of the handlebar assembly on the bike prior to lube, the actual lube process, and the re-assembly.

3.0 SERVICE PARTS AVAILABLE FOR PURCHASE

Parts available on the online store at: ifholdings.biz

8400.0212.02	ASSY, STEERING, BAR, STRAIGHT, S3U	
8400.0274.01	ASSY, STEERING, BAR, S3 UPRIGHT, NOVO	
8300.0210.01	COVER, HANDLE BAR, CENTER TOP, S3U	

4.0 PROCEDURE

4.1. Handlebar Preparation Prior to Lube

- 4.1.1. Only remove the two upper screws holding the steering assembly in place (Do not remove the two lower screws). Save the screws as they will be needed for re-assembly:



- 4.1.2. Remove the 4 screw holding the lower center plastic cover in place. Save the screws as they will be needed for re-assembly:



Lower the center plastic cover as shown below:



4.1.3. Cover adjacent parts that may be affected by lube over spraying:



- 4.1.4. Remove plastic center cover and inspect the part for damages. If the part shows signs of damage, especially at the threaded insert which could affect re-assembly, a replacement part can be ordered under part number 8300.0210.01



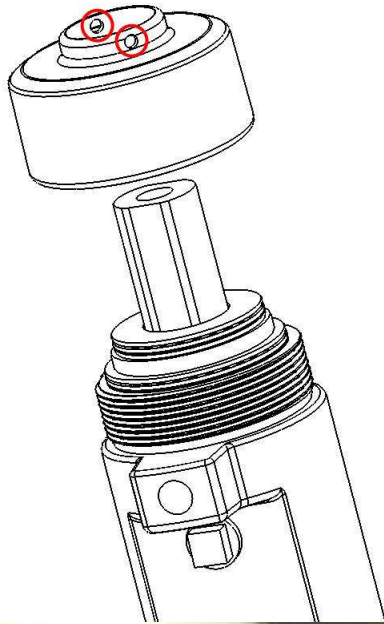
- 4.1.5. Dupont Teflon Silicone Lubricant is recommended as the lubricating agent (available at Lowe's hardware stores or online at www.lowes.com part number 124699). Although using WD-40 type of lubricant will free up a rough steering, it does not have the same lasting properties.



4.2. Steering Assembly Lubrication

4.2.1. The goal is to flood the bearings located under the steering collar with lubricant.

- Insert the tube provided with the lubricant into one of the hole at the top of the steering collar (the holes may be at a different angle than what is shown on the pictures below).
- Lightly press the nozzle until the liquid reach the top edge of the steering collar.
- Try to keep the liquid into the housing as much as possible to avoid having lubricant drip into other components located under the steering unit. Wipe off any excess lubricant left on the collar.
- Fully rotate the handlebar from stop to stop to allow lubricant to work its way down the bearings.



- 4.2.2. Repeat the previous step for a total of 5 times on the first hole and then move to the opposite hole and repeat for 5 times on that end as well.
- 4.2.3. The movement of the handlebar should now be very smooth. If this is not the case, additional lubrication steps may be necessary.

4.3. Re-assembly

- 4.3.1. Clean off any lubricant overspray and re-install the top and bottom center plastic cover. Insure the two cover are properly lined up and install the 4 screws, see warning below.



NOTE: Use light torque, 0.4 Nm maximum (3.5 in-lbs), on the screws holding the center plastic cover (8300.0210.01) in place. Excessive torque will damage the cover and require a replacement.

- 4.3.2. Use red Loctite (262) on the top 2 screws holding the steering assembly to the steering column tube. Torque to 9 Nm (6.5 Ft-Lbs).

This completes the lubrication instructions.

For additional technical support the IFH customer service team can be reached at:

888-528-8589 Ext:2
From 6:30am to 5pm (Pacific Standard Time)

Or via email at:

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