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MW GF survey

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Quick manual

Beacon holder

BH/01/6+

General rules:

1. Do not use impact devices to drive bolts - risk of damaging the threads.
2. Not recommended for driving bolts of electrical devices, unless at low force settings and low speed (RPM) - risk of seizing bolts.
3. Each threaded connection should be lubricated (copper grease; type 44 or 111 grease is not suitable).
4. The holder is designed for a 75-80mm diameter beacon (e.g. Sonardyne WSM 6+).
5. The towing cable should be 8.18-13mm in diameter. Use together with steel chinese finger is acceptable.
6. This is a prototype, if you have any questions or problems please contact me (contact@mwgfsurvey.com)

Essential tools:

- HEX 5mm
- 10mm socket spanner
- 13mm socket spanner
- torque spanner
- Copper or stainless steel grease

HSE

- Wear protective gloves
- Wear safety goggles

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Beacon replacement

1. Unscrew the self-locking nuts on top of the clamps.	
2. Loosen the screws until the threads are flush with the top of the clamps.	
3. Extend the beacon.	
4. If there is dirt on the rubbers (e.g. sand residue - remove it).	
5. Take this opportunity to check the tightness of the cable clamp (HEX 5mm; 10mm spanner, M6, 6Nm).	

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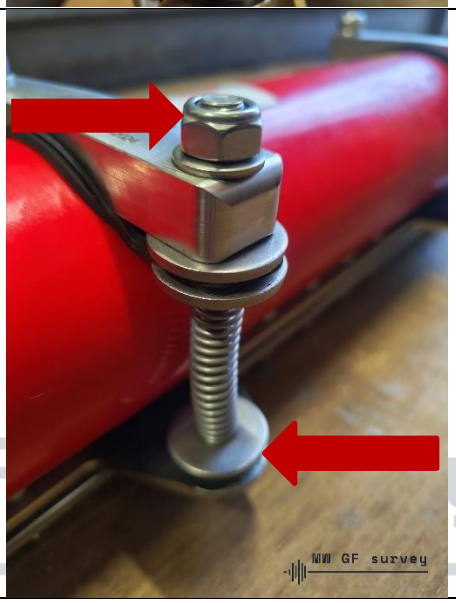
6. Slide the unit into the holder, pressing it against the rear stop (the plug should be in the notch).	
7. Tighten the clamp screws with 8Nm (M8, 13mm spanner).	
8. Tighten the self-locking nuts on top of the clamps to secure the system with 8Nm (M8, 13mm spanner).	

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Fixing on the towing cable

1. Take the whole holder apart.
2. Clean the threaded connections thoroughly and lubricate them. If necessary, re-thread the sockets / replace the screws.
3. Attach the main clamp and base to the cable (beacon stop downwards! - to the towed device!).
4. Tighten the 12 clamp screws (do not use washers on the beacon base) to a force of 6Nm (M6, HEX 5mm).

ATTENTION: remember to tighten all screws progressively and evenly!

5. Check all bolts 2-3 times (steel springs back and automatically loosens previously tightened bolts) with the same 6Nm force.

6. Apply plain and spring washer and self-locking nut.

7. Tighten with 6Nm force (remember to use the spanner on the opposite side) (HEX 5mm; M6, 10mm spanner).

8. Prepare: rubber pads, springs, washers; along with the screws holding the clamps in order as shown in the photo.

From the top:

a. self-locking nut
b. plain washer
c. clamp
d. wide washer
e. rubber
f. wide washer
g. spring
h. wide washer
i. rubber
j. wide washer
k. base
l. plain washer
m. spring washer
n. bolt

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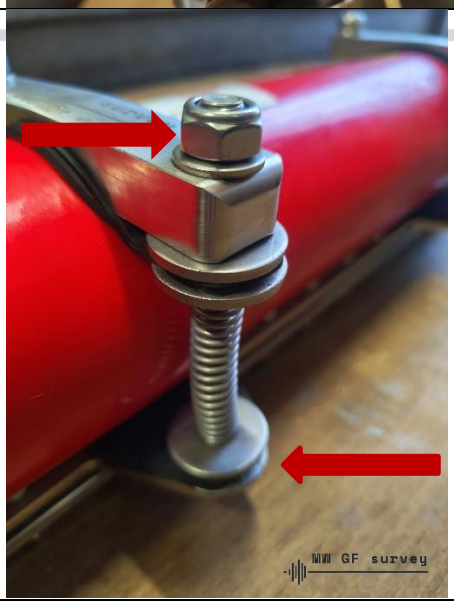
9. Apply the beacon clamps and tighten the screws to the level of the top of the clamp. ATTENTION: if fitted, remove the nuts from the top of the handle to insert the beacon! ATTENTION: the springs may shoot upwards when compressed!	
10. Slide the unit into the holder, pressing it against the rear stop (the plug should be in the notch).	
11. Tighten the clamp screws with 8Nm (M8, 13mm spanner).	
12. Tighten the self-locking nuts on top of the clamps to secure the system with 8Nm (M8, 13mm spanner).	