

AAR Hose Drum Drive Enhancements

COBHAM

Improved Reliability and Reduced Through-Life Costs

The most important thing we build is trust



AAR Hose Drum Drive Enhancements



Improved Reliability and Reduced Through-Life Costs



Roller Pawl Assembly

Cobham offers a range of aftermarket engineering solutions and equipment enhancements tailored to meet fleet operator's needs.

Roller Pawl Assembly

Re-engineered with an innovative roller wheel which eliminates periodic maintenance, inspection and replacement

Torque Drum Spacer

Fitted Torque Drum Spacers significantly reduce occurrences of Tensator Motor Unit entanglement also known as a 'birds nest' which may occur when a receiver aircraft makes contact outside the normal refuelling envelope.



Torque Drum Spacers

Key Features



Pawl Enhancement (left to right) original, worn and new design



Introduction of Pawl Roller Wheel



Torque Drum Spacer Rings

Performance

Roller Pawl Assembly

- Integrated Metal Roller with sealed bearing eliminates metal to metal abrasion between pawls and torque drum
- Rigorously tested including active flight test
- Proven to outperform existing pawl design
- Easily installed when replacing Tensator Motor Units

Torque Drum Spacers

- Significantly reduce occurrences of Tensator Motor Unit 'birds nests'
- Prevent Tensator spring overlap and act as a guide during operation
- Easily installed when replacing Tensator Motor Units
- Fit and forget, no maintenance requirement

Benefits

- Reduce through-life operating costs and maintenance requirements
- Eliminate inspection and maintenance tasks associated with Service Bulletin 43323000-28-278
- Simple to embody modifications require no structural changes to install
- Modification can be implemented as an ILM activity by the equipment maintainer or as an on-site service provided by Cobham

Compatibility

All Cobham Mission Equipment 500 and 700 series Aerial Refuelling Pods

Currently in service with

Roller Pawl and Torque Drum Spacer enhancements currently in active service on 3 Cobham Aerial Refuelling Pod variants

For further information please contact:

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