

RotorSport UK Ltd

Service Bulletin

This form is the response from RotorSport UK Ltd against a problem found in the product either in service or test, which requires an immediate action.

Upon completion of the action, the person responsible must enter details into the aircraft logbook/worksheet with the SB and/or CAA MPD (Mandatory Permit Directive) number and sign as normal.

If any problems with carrying out the work authorised, contact RSUK immediately on 44(0)1588 650769, or email info@rotorsport.org.

SB No.: 009 issue 1	CCAR No.: None	Classification: OPTIONAL or RECOMMENDED or MANDATORY
Aircraft type & model (applicability) RotorSport UK MT-03	Aircraft serial Nos. effected RSUK/MT-03/all	

Problem description & cause of problem if known

Problem;

Development testing on the MTOsport has shown that the pilot harness and front seat crash worthiness can be enhanced by the addition of two large diameter washers under the rear seat bolts, and changing the washers where the front seat is attached to the enclosure. Whilst there has been no suggestion of a problem in current service, or from incidents, RSUK believe this is a positive safety improvement, and wish to implement it on all UK MT-03 gyroplanes.

Problem solution;

Fit large diameter washers as below.

Pre test for applicability:

None – affects all UK MT-03 gyroplanes

Effective date:

30.3.09

To be implemented by:

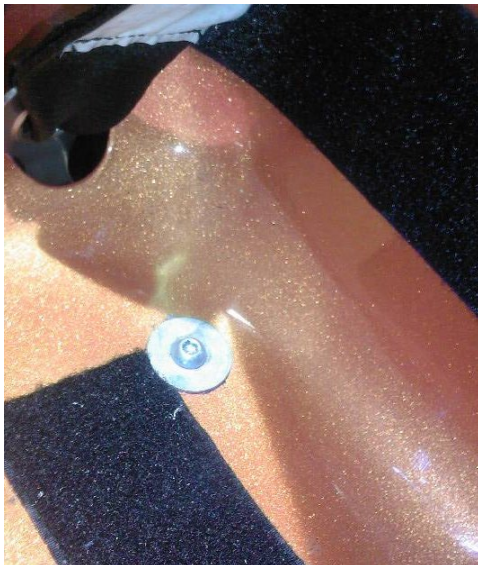
20.4.09

Parts required to implement the Service Bulletin:

- 4 off RSD6100 24mm diameter washer
- 2 off RSD1103 50mm diameter stainless steel washer
- 4 off RSD6008 Nylock nut

Action required

1. Remove key and ensure mag switches are OFF.
2. Remove 2 off rear front seat bolts and replace existing washers with 50mm washers. Refit with new locknut and tighten securely. Ensure earth lead (where fitted) on the left bolt is refitted with the washer under the nut.
3. Remove side fastening to the enclosure, and replace metal 18mm washers with 24mm washers. Refit with new locknuts, and tighten securely.



Standard washer fitted, rear front seat base bolt



Large diameter washer fitted, rear front seat base bolt

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Original side washer



Larger washers

Aircraft weight increase; 48g. Considered no effect of any significance on aircraft CG.



View of underside of left bolt, showing earth cable.

Effect on Pilots Handbook or Maintenance Manual?

Yes, to be incorporated in the next revision of maintenance manual.


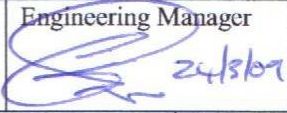
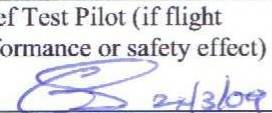
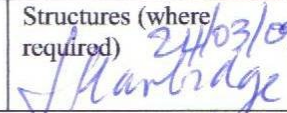
Quality Inspection requirements after action:

Checking of installation after completion

1. Check that all four fastenings are tight.
2. Check that earth wire, where fitted, is correctly attached to the seat bolt.
3. Check that at least 1.5 turns of thread protrude through the nut – if not, contact RSUK for a replacement bolt.

CAA BCAR A3-7 Authorised Person to certify that the work is completed by writing the SB number and action in the logbook white pages, and record the action in the pink pages entitled 'one time requirements'. Both entries must be signed by the CAA Authorised Person together with their CAA Authorisation number.

SB authorised by: (name, signature, and date of signature)

Quality Conformance Manager 	Engineering Manager  24/3/09	Chief Test Pilot (if flight performance or safety effect)  24/3/09	Structures (where required) 24/03/09 	
Document completion date:	Issued to:	When	Issuer name	Signature
	Internal			
	CAA			
	Owners			
	LAA/BMAA Inspectorate	No		