

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

Problem description & cause of problem if known

The standard springs fitted to Rotax 912ULS exhaust systems are manufactured from carbon-steel. These Rotax springs (available as RotorSport part number RSD4437) are prone to rusting and periodically fail in service. A replacement spring manufactured from stainless-steel is now available from RotorSport (RSD4487) and may be fitted in place of the original, either individually or in sets.

Safety effect

Improved service life, better appearance.

Weight and CG effect

None

Action required to implement this bulletin:

Effective date:
03.02.10

1. To remove a broken or rusted spring first cut the safety wire (as close as possible to the crimped sleeve). Remove the safety-wire to the extent of access required
2. Replace the spring(s)
3. Refit the safety wire, ensuring that this passes through the bore of each spring and through each fabricated eye. (There are 4 springs each side of the engine)
4. If the safety wire is still long enough fit a new Nicopress sleeve and crimp with Nicopress tooling. If the wire is not long enough then replace.

Note: OEM safety wire is 1/16" stainless steel cable (wire rope). It is permissible to use 1/16" galvanised steel but the Nicopress sleeves are a different type for this material. Nicopress recommendations must be followed, as summarised below:

Galvanised 1/16" cable 7x7-1/16" use only Nicopress sleeve 18-1C
Stainless-steel 1/16" cable 7x7-1/16"-S-S use only Nicopress sleeve 428-VC

Effect on Pilots Handbook or Maintenance Manual?

No, other than to be noted in the next issue of the maintenance manual

Service Bulletin Completion action:

Issue Permit Maintenance Release Certificate

Pilot owner or CAA BCAR A3-7 Authorised Person to certify that the work is completed by writing 'SB-022 - Quantity N springs replaced' in the aircraft logbook white pages, and record the action in the pink pages entitled 'Aircraft Modifications'. Both entries must be signed by either the pilot owner with his licence no. or the CAA Authorised Person together with their CAA Authorisation number.

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

Quality Conformance Manager 16/7/10	Engineering Manager 16/7/10	Chief Test Pilot (if flight performance or safety effect) NIR	Structures (where required) 16/07/2010
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Document completion date:	Issued to:	When	Issuer name	Signature
	Internal			
	CAA			
	Owners			