

## APPENDIX 1A

## High drag loads on undercarriage during ground manoeuvres

The aircraft should be inspected as detailed below whenever the following conditions have been experienced, as the high drag loads imposed may have damaged the undercarriage or attachments. The loading considered is specifically high drag and is not associated with the normal conception of heavy landing.

- (1) Hitting an obstruction or pothole.
- (2) Running off the runway into soft or uneven ground.
- (3) Landing in the undershoot.
- (4) Violent turning manoeuvres under power.

It will be necessary to jack the aircraft and support the tail with a trestle.

## Undercarriage

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|---|---|
| <ul style="list-style-type: none"> <li>(a) Port and starboard Main }</li> <li>(b) Nose }</li> </ul> | <p>Examine for evidence of cracks or distortion.</p>  |
| <ul style="list-style-type: none"> <li>(c) Shock absorber struts</li> </ul>                         | <p>Examine for distortion.</p>  |
| <ul style="list-style-type: none"> <li>(d) Nose undercarriage pivot tube</li> </ul>                 | <p>Examine for distortion.</p>  |
| <ul style="list-style-type: none"> <li>◀ (e) Main undercarriage pivot fittings in wings</li> </ul>  | <ul style="list-style-type: none"> <li>(i) Examine for evidence of thread stripping—<br/>S.T.I./Hunter/334 refers (Sect.3, Chap.5).</li> <li>(ii) Examine for cracks [by NDT technique CSDE/HUNTER/ULT/9 (RAF)—<br/>confirm defect indications with NDT technique CSDE/HUNTER/EDD/<br/>4A (RAF) ] around circumference of machined faces into which the<br/>bearing cap retaining studs are screwed.</li> </ul> |
| <ul style="list-style-type: none"> <li>(f) Main undercarriage main fittings</li> </ul>              | <p>Examine for cracks [by NDT techniques CSDE/HUNTER/EDD/6A (RAF),<br/>CSDE/HUNTER/ULT/5 (RAF) and CSDE/HUNTER/EDD/9 (RAF) ]. ▶</p>   |
| <ul style="list-style-type: none"> <li>(g) Torque links nose and main undercarriages</li> </ul>     | <p>Examine for cracks, distortion or stripping of bolts.</p>  |
| <ul style="list-style-type: none"> <li>(h) Nose wheel self-centring mechanism</li> </ul>            | <p>Examine for correct functioning.</p>   |
| <ul style="list-style-type: none"> <li>(j) Wheels and tyres</li> </ul>                              | <p>Examine for distortion or damage.</p>  |

## Note . . .

Should any damage be found during the above inspection, the aircraft is to be subject to the full heavy landing examination as detailed in Appendix 1.



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