ARTIFICIAL "Q" FEEL UNITS

Preview from Notesale.co.uk

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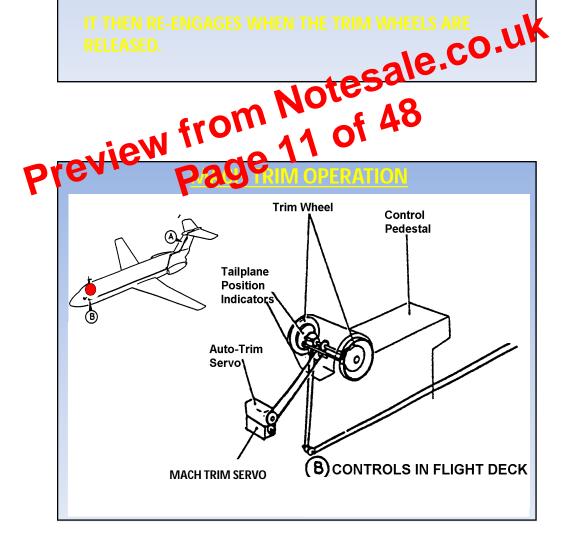
Preview from Notesale.co.uk

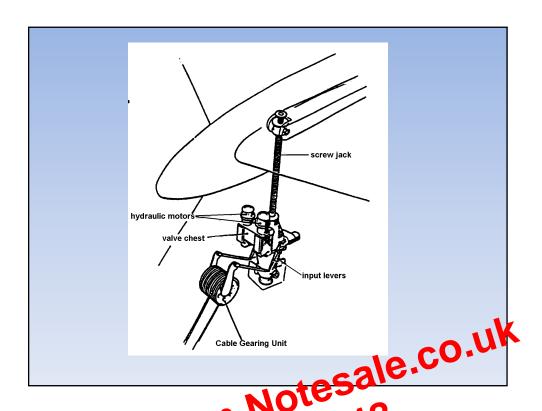
 $Q = 1/2 pv^2$

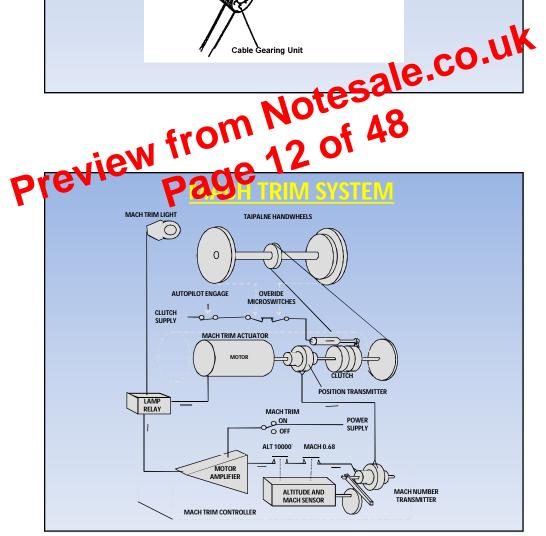
WHERE p (RHO) = AIR DENSITY

WHERE v = AIRFLOW VELOCITY

MACH TRIM OPERATION





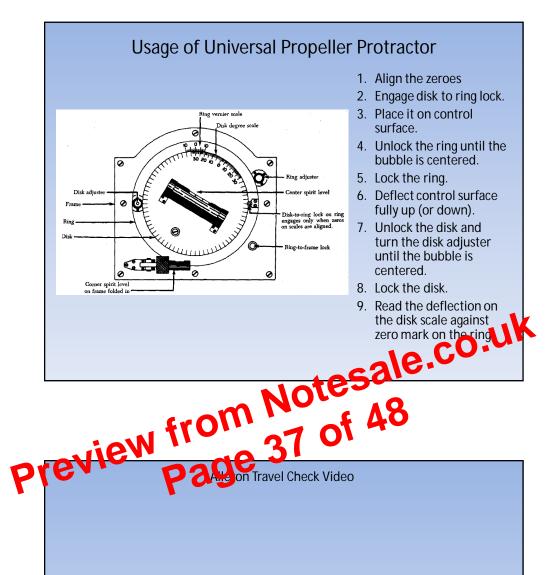


RUDDER LIMITING

Preview from Notesale.co.uk

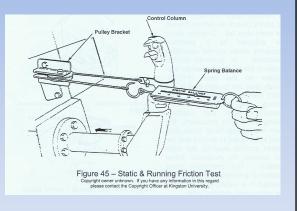
Preview from 14 of 48

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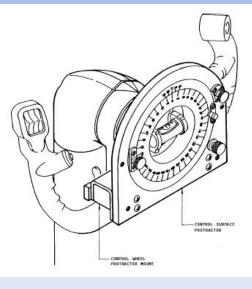


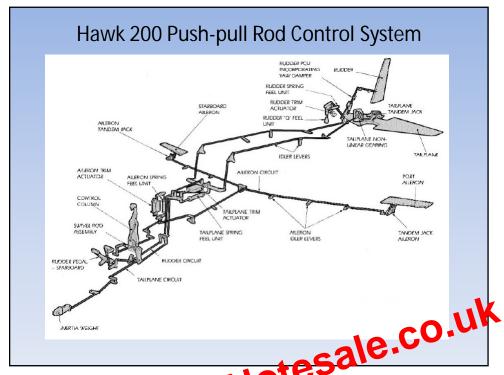
9.17.6 Checking For Static and Running Friction

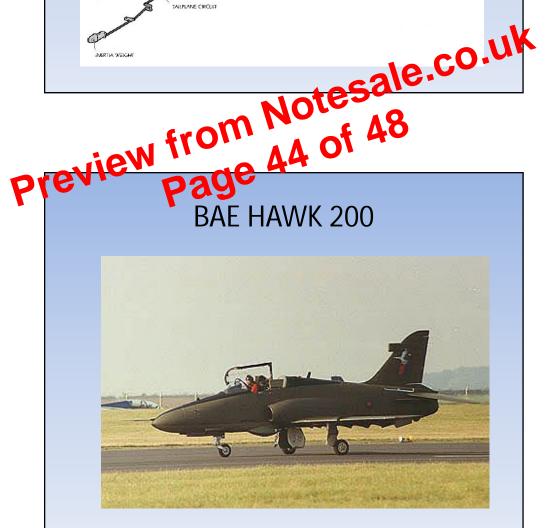
- Minimum Breakout Force
- Running Friction
- Check for proper lubrication, seize or worn pulleys, cable binding or chafing, abnormal wear and tear



Preview from Notesale.co.ul Preview page Fitting Protractor to Control Column







Example of Rigging

Powered Control System

Stage 1

- Disconnect all control tubes and set the pilot's control to neutral. Lock the pedals in neutral with tools provided.
- 2. Connect the forward control tube the the rudder lever, make any necessary adjustments and insert the master rigging pin in the appropriate housings
- 3. Continue to build up the system in the cockpit, connect various control tubes to their corresponding lever, adjusting as necessary; fit the subsidiary pins in their correct positions, locking the levers in neutral.

Preview from Notes ale.co.uk Preview from A5 of 48 Stage 2

- 1. Set the control lever on the cable tension regulator vertical by inserting a subsidiary pin.
- 2. Set the artificial units as describe in the AMM.
- 3. Set the trim actuator to neutral and connect to the artificial feel unit.
- 4. Fit the control cables to the cable tension regulator, and run the cables around their pulleys.
- 5. Connect the cables to the tie rods and feed the cables around their pulleys to the rear part of the fuselage.