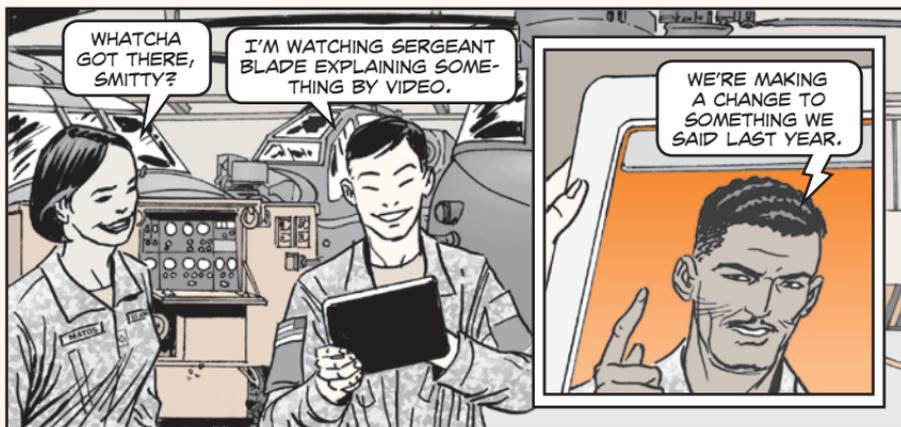


APPLYING EXTERNAL HYDRAULICS TO AIRCRAFT



Dear SFC Blade,

Your article on Pages 22-23 of PS 718 (Sep 12) is not quite correct on how the stabilators move.

You imply that applying hydraulic pressure to the aircraft could make the stabilators move. Actually, the stabilators on both the Black Hawk and Apache are electrically-driven systems. They move when external electrical power is applied from the AGPU.

What moves when AGPU hydraulic pressure is applied to aircraft are the flight controls and the AH-64 pylons.

Mr. Graden Pitt
Ft Hood, TX

Dear Mr. Pitt,

Thanks for writing and letting us know about the mistake. It's readers like you that keep us on our toes, so we appreciate your keen eye. We and the headshed missed this one.

You are correct about the stabilators being electrically-driven systems. We don't want any confusion about what systems can move and how.

In fact, the artwork shows the AGPU hooked to the aircraft for applying external hydraulics. Based on the artwork, the stabilator could not move because there is no electrical power being applied. The old artwork should've shown the AGPU hooked to the hydraulic lines, and not the aircraft.

To briefly restate what the article **should** have said concerning the AGPU and aircraft: Electrical power from the AGPU can move systems like the stabilator and other electrically-driven systems. And applying AGPU external hydraulics to aircraft can move flight controls and change the pitch angle of blades and other hydraulic components.

'Rotor' Blade