

September 25, 2008

TO ALL A600 TALON OWNERS
FADEC WIRING HARNESS SERVICE LETTER

History: The FADEC wiring harness supplied for the Talon aircraft has a two-pin connector for the electric water pump. The electrical leads on the water pump are color coded red for positive and black for negative. The FADEC harness also has colored wires, but the colors might not indicate electrical polarity.

Action: Before connecting the two-pin connector on the FADEC harness to the water pump, determine the polarity of the two wires. To do this, with the battery connected, turn on the instrument switch located in the overhead panel. Positive voltage can be read at the water pump electrical connection, but you will not be able to read the negative battery signal, due to the FADEC's control of when the water pump activates and the use of a relay that allows the negative ground to connect to the water pump.

It may be required to swap the two wires in the connector to match polarity of the water pump wires. To do this, remove the blue strain relief cap and insert an extraction tool into the pin release access as indicated in the illustration below. If you do not have the proper extraction tool, one can be made using a paper clip, where the round wire has been flattened to be .050" wide and .030" thick.

