

Radio Communication and Navigation Equipment

AD/RAD/63

KT 76A ATC Transponder

10/98

Applicability: AlliedSignal KT 76A Air Traffic Control (ATC) Transponders, part numbers 066-1062-00, -10 and -02 with serial numbers 93,000 through 109,999 inclusive.

Note: These transponders are known to be installed on, but not limited to, the following series of aircraft:

<i>Manufacturer</i>	<i>Aircraft Series</i>
<i>Cessna Aircraft Company</i>	<i>172, 182, T182, R182, 206, P206, U206, TP206, 210, T210, P210, 310, E310, T310 and 421</i>
<i>Twin Commander Aircraft Company</i>	<i>500, 520, 560, 680, 681, 685, 690, 695 and 720</i>
<i>The New Piper Aircraft Corporation (formerly known as Piper Aircraft Corporation)</i>	<i>PA-31, PA-32 and PA-34</i>
<i>Raytheon Aircraft Corporation (formerly known as Beech Aircraft Corporation)</i>	<i>E33, F33, G33, 35, J35, K35, L35, M35, P35, S35, V35, 36, A26, B36, D55, E55, 56, A56, 58, 58A, 95, B95, D95 and E95</i>
<i>Mooney Aircraft Corporation</i>	<i>M20</i>
<i>McDonnell Douglas Helicopter Company</i>	<i>500N</i>

Requirement: Replace the two resistor network modules, RM401 and RM402, with new glass-coated parts in accordance with the 'Modification Procedure' section of AlliedSignal Service Bulletin SB KT 76A-7 dated July 1996. (When accomplished, this replacement is referred to as Mod 7.)

Note: FAA AD 98-14-03 Amdt 39-10637 refers.

Compliance: Prior to installation in an aircraft, but no later than 10 September 1999.

This Airworthiness Directive becomes effective on 10 September 1998.

Background: The FAA has advised that KT 76A ATC transponders have been identified as transmitting misleading encoding altimeter information to ground-based ATC radar sites and proximate Traffic Alert and Collision Avoidance System (TCAS) equipped aircraft. The actions specified by this directive are intended to prevent the transmission of misleading encoding altimeter information from affected aircraft.