



Providing total situational awareness of impending traffic conflicts.

TCAS change 7.1 includes safety enhancements that reduce traffic conflicts and modify avoidance maneuvers. Rockwell Collins has perfect solutions to assist customers with increased traffic awareness. Our systems provide the enhanced situational awareness and mandate compliance required for operation in the increasingly dense air traffic environment.

TCAS OPTIONS:

TTR-2100

- > Replaces TTR-921 or 920
- > AC Power
- > Six (6) MCU's
- > Change 7.1 Logic
- > Growth Path to ADS-B In

TTR-4100

- > Replaces TTR-4000 or 920
- > DC Power
- > Four (4) MCU's
- > Less Weight and space than a TTR-920
- > Change 7.1 Logic
- > Growth Path to ADS-B In

KEY BENEFITS:

- > Enhanced crew awareness of traffic situations
- > New 7.1 logic allows either aircraft to issue a RA reversal in a TCAS to TCAS RA event
- > Changes "Adjust Vertical Speed" to "Level Off Level Off"
- > Automatically computes avoidance manoeuvres with aural and visual commands
- > Ability to interface with single or dual Mode S transponders
- > Data load features enables software revisions in avionics shops or on the aircraft
- > Internal diagnostics that allow accurate isolation of failures on the flight line as well as providing a fault history

STC AVAILABILITY

	Platform	STC	Owner
FAA Approved AML STC			
TTR-920, TTR-921 or TTR-4000.	Various	SA00907WI-D (Part 23)	Rockwell Collins
TTR-920, TTR-921 or TTR-4000	Various	ST00881WI-D (Part 25)	Rockwell Collins
TTR-2100	Challenger 604 CRJ 100/200/440 CRJ 700/701/702/705/900 Challenger 850/870/890	ST00881WI-D	Rockwell Collins
FAA Approved STC			
TTR-4100	Falcon 2000 Falcon 2000EX Lear 60 Beechjet 400A	ST01794WI	Rockwell Collins
TTR-4100	Falcon 50 Falcon 50EX Falcon 900	ST04048CH	Please contact Standard Aero for pricing at phone number 217-535-3417.
TTR-4100	Challenger 601 Challenger 601-3A Challenger 601-3R	ST00825DE	Please contact West Star Aviation for information.
TTR-4100	Various	ST03776NY	Please contact Scandinavian Avionics A/S for pricing at phone number +45 7950 8023 or +45 7950 8001.
EASA Approved AML STC			
TTR-4100	Various	ST10056169	Please contact Scandinavian Avionics A/S for pricing at phone number +45 7950 8023 or +45 7950 8001.
EASA Approved STC			
TTR-4100	Falcon 900 900EX 50EX	ST10056168	Please contact TAG Aviation S.A. for pricing at phone number +41 22 717 01 34.

Please contact Rockwell Collins Customer Account Administration for additional information.

TRADE-IN CONDITIONS

A trade-in credit will be issued against the purchase of a new TTR-2100/4100 at the special program price, upon Rockwell Collins receipt of a Rockwell Collins TTR-921(822-1293-XXX).

Trade-ins are limited to one credit for each new TTR purchased. Dealer acceptance of the Marketing in this bulletin obligates the dealer to pass the applicable equipment trade-in amount in full to the aircraft end operator.

TCAS II with Elementary / Enhanced Surveillance Mode S – Example purchase of a TCAS replacement for your aircraft⁶

Type	Notes	Description	CPN	QTY
TTR-2100 (AC Power)	3	TCAS II Processor	822-2911-002	1
or				
TTR-4100 (DC Power)	3	TCAS II Processor	822-3075-001	1
TRE-920	3,4	TCAS II Directional Antenna	622-8973-XXX	2
Example of Minimum Purchase - Shipset Total	3, 5			
TDR-94D	2, 3	Mode S Diversity Transponder	622-9210-409	2
CTL-93T	3	TCAS II Control	822-2182-1XX	1
CTL-92E	3	Transponder Control	822-1807-XXX	1

Note: Standalone systems require a display. Example of a display that is acceptable is a TVI-920D or TVI-920. Contact Rockwell Collins Intertrade, a buyer and seller of used equipment, who may have these displays at 1.319.378.3500, intertradesales@rockwellcollins.com, or on the web at <http://www.rockwellcollins.com/intertrade/index/asp>.

TCAS II CHANGE 7.1 UPGRADE

1) The following items are required for TCAS II Change 7.1 through Customer Account Administration. The TTR-920, part number 622-8971-XXX will need to be replaced with TTR-2100/4100.

New Type Number	New Part Number	QTY
TTR-2100 (AC Power)	822-2911-002	1
or		
TTR-4100 (DC Power)	822-3075-001	1
AML STC Part 23 Aircraft	Place order with Customer Account Administrations using STC SA00907WI-D	1
or		
AML STC Part 25 Aircraft	Place order with Customer Account Administrations using STC ST00881WI-D or ST01794WI	
For STC's that require an optional additional converter box:		
DIU-3110	822-2576-051 (ARINC-552A)	1
or		
DIU-3110	822-2576-050 (ALT-55B)	
The following mounts are available:		
4 MCU mount	270-2682-020	1
4 MCU	866-5007-100	1
TTR-4100/DIU-3110 Mount	386-0230-000	1
TTR-4100/DIU-3110 Harness	386-0230-100	1

TTR-921 AND TTR-4000 ARE UPGRADABLE TO TCAS II CHANGE 7.1 BY SERVICE BULLETIN

2) To place an order for a Service Center upgrade, contact one of the following.

Service Center	Phone Number	Email Address
Atlanta Service Center	770.991.7200	atlanta@rockwellcollins.com
Seattle Service Center	253.733.3700	seattle@rockwellcollins.com
Singapore Service Center	65.6542.2078	singapore@rockwellcollins.com
Toulouse, France Service Center	33.5.61.71.77.14	tls-sc@rockwellcollins.com

SERVICE BULLETIN PRICING FOR TTR-921 OR TTR-4000 CHANGE 7.1 UPGRADE

Type Number	Existing Part Number	New Part Number	QTY	Service Bulletin
TTR-921	822-1293-002/003	822-1293-033	1	504
or				
TTR-921	822-1293-322	822-1293-332	1	504
or				
TTR-4000	822-1294-002	822-1294-032	1	504
or				
TTR-4000	822-1294-402	822-1294-432	1	504

ROCKWELL COLLINS FAA APPROVED AML STC

New Type Number	New Part Number	QTY
AML STC Part 23 Aircraft or AML STC Part 25 Aircraft	Place order with Customer Account Administration using STC SA00907WI-D Place order with Customer Account Administration using STC ST00881WI-D	1

NOTES

1. Shipset uses TTR-2100/4100(1), TRE-920(2), TDR-94D (2), CTL-93T(1) and CTL-92E(1).
2. Optional TDR-94D, 622-9210-501 with ADS-B DO-260B Out capability is available.
3. All equipment quantities (QTY) listed on page 2 are the maximum allowed per shipset order.
4. There are a variety of antennas available. For more information, please contact your Rockwell Collins Regional Sales Manager.
5. Minimum shipset determined to be one of the following: (1) TTR-2100, or (1) TTR-4100, and (2) TRE-920.

TERMS AND CONDITIONS

Unless otherwise noted, this program is valid for orders placed between January 1, 2017 and December 31, 2017, with delivery requested by April 1, 2018. Warranty period is two years for new equipment and one year for modified equipment. Standard warranty does not apply to software.

Customer units returned to Rockwell Collins for modification or exchange must be in a serviceable condition. Serviceable units are determined by Rockwell Collins to have normal field degradation, be of proper configuration and have no evidence of damage. Costs necessary to bring an unserviceable unit to a serviceable condition will be billed at the then current labor and material rates. Any necessary repairs already covered under the existing scope of the previously defined Pro Line Fusion upgrades will incur no additional charges to the customer.

How can we help?

Please call Rockwell Collins Customer Support at +1.319.295.5000.

BUILDING TRUST EVERY DAY.

Rockwell Collins delivers innovative aviation and high-integrity solutions to commercial and government customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

For more information, contact:

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