



S-TEC

TEC Line Avionics Service Bulletins/Letters Publications Index

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TEC LINE Avionics Service Bulletins and Service Information Letters Index

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ADA-650

ADF to RMI Adapter

Bulletins & Letters

Printed in USA

523-0766441-003118
3rd Edition, 4 November 1981

Service Bulletins and Service Information Letters Issued to Date

<i>SB/SIL Number</i>	<i>Unit</i>	<i>Title</i>	<i>Date</i>
SB 1	ADA-650	Replacement of Capacitors C11 and C12	Jan 18/79
SIL 1-76	ADA-650	ADA-650 System Interconnect	Sep 6/76

NOTICE: This title page replaces second edition title page 1 September 1977

ADF-650/650A ADFS, RCR-650/650A Receiver, ANT-650A Antenna, and IND-650/650 Indicator

Bulletins & Letters

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Service Bulletins and Service Information Letters Issued to Date

<i>SB/SIL Number</i>	<i>Unit</i>	<i>Title</i>	<i>Date</i>
SB 1	RCR-650	Audio Quality Improvement	Nov 1/76
SB 2	RCR-650	Improved BFO Operation	Jan 2/77
SB 3	RCR-650	Increased Reliability of 10V Regulator	May 1/77
SB 4	RCR-650	Needle Activity Reduction	Feb 17/78
SB 5R2	RCR-650	Keyed Carrier Operation	Dec 8/80
SB 6	RCR-650	Bearing Error in 28V Sys That Incorporate a Dropping Resistor	Jan 19/79
SB 7	RCR-650	Decrease AGC Recovery Time	Apr 1/81
SB 1	RCR-650A	Decrease AGC Recovery Time	Apr 1/81
SB 2R1	RCR-650A	Improve Response Time of ADF	May 10/84
SB 3	RCR-650A	Needle Drift with Keyed Carrier Beacons	Jan 19/83
SB 1	ANT-650A	Improved Mounting Ruggedness	Jan 8/82
SIL 1-76	ADF-650	Recommended Installation Practices for the ADF-650 ADFS	Sep 10/76
SIL 1-77	ADF-650	ADF-650 Performance Improvement	May 20/77
SIL 1-80R1	ADF-650	CES-116A ADF Signal Simulator Field Bulletin	Apr 15/80
SIL 1-75	RCR-650	28V-to-14V Power Conversion Kit Installation	Oct 15/75
SIL 1-76	RCR-650	Mating Connector Orientation	Feb 14/76
SIL 2-76	RCR-650	Installation of L-Band Filter	Mar 15/76
SIL 3-76	RCR-650	L-Band Filter Kit Wiring	Mar 15/76
SIL 4-76	RCR-650	Sense, X-Loop and Y-Loop Antenna Input Shorts	June 28/76
SIL 5-76R1	RCR-650	Phase Zero Drift	Jan 15/77
SIL 1-77	RCR-650	28V Dropping Resistor	May 1/77

NOTICE: This title page replaces fifth edition title page dated 30 August 1984

(CONT'D)
ADF-650/650A ADFS,
RCR-650/650A Receiver,
ANT-650A Antenna, and
IND-650/650 Indicator

Bulletins & Letters

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Service Bulletins and Service Information Letters Issued to Date

<i>SB/SIL Number</i>	<i>Unit</i>	<i>Title</i>	<i>Date</i>
SIL 2-77	RCR-650	Receiver IF and RF Troubleshooting Procedures	Nov 25/77
SIL 1-78	RCR-650	Receiver and Mounting Tray Mating Problem	Aug 25/78
SIL 1-79	RCR-650	Slow AGC Response Time in Receivers with SB 5 Installed	Mar 30/79
SIL 1-81	RCR-650	Correct Resistor Value for Service Bulletin 5 Parts Kit	Jan 16/81
SIL 1-80	RCR-650A	Add Mounting Hole to Tray	Aug 11/80
SIL 1-76	ANT-650	Antenna Phone Plug Length	Apr 1/76
SIL 1-76	ANT-650A	Antenna Phasing Error	Aug 10/76
SIL 1-79	ANT-650A	Transponder-to-ADF Interference	Mar 15/79
SIL 2-79R1	ANT-650A	Antenna Identification Dot	May 14/85
SIL 1-81	ANT-650A	Improve Resistance to Moisture	Mar 13/81
SIL 1-89	IND-650	Non-Procurable Part	May 4/89

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ANS-351

Area Navigation Computer

Bulletins & Letters

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Service Bulletins and Service Information Letters Issued to Date

<i>SB/SIL Number</i>	<i>Unit</i>	<i>Title</i>	<i>Date</i>
SB 1	ANS-351	Addition of Enroute/Approach Mode Discrete Output	Oct 10/77
SB 2	ANS-351	NAV Flag Level Threshold	Feb 14/78
SB 3	ANS-351	NAV Bearing Output Drift	Sep 15/79
SB 4	ANS-351	Decrease Susceptibility to Rotor Modulation	Jul 4/81
SB 5	ANS-351	Reduce Ground Speed Response Time	Jul 15/81
SB 1	CTS-351	Modification to Test ANS-351C Area Navigation Computer	May 1/81
SIL 1-78	ANS-351	ANS-351 Interface With VIR-30/31/31A Radio Nav Receiver	Apr 28/78
SIL 2-78	ANS-351	Interface With King Panel-Mount NAV/COMM	May 19/78
SIL 3-78	ANS-351	ANS-351 - Dead Near the Waypoint	Jun 1/78
SIL 4-78	ANS-351	Replacement of Relay K101	Aug 25/78
SIL 1-77	CTS-351	DME Flag Switch	Dec 14/77
SIL 1-80	CTS-351	Recommended Calibration Interval and Test Procedure	Nov 21/80

NOTICE: This title page replaces third edition title page dated 21 August 1984

DME-451/450C/450

Distance Measuring Equipment

Bulletins & Letters

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4th Edition, 1 September 1996

Service Bulletins and Service Information Letters Issued to Date

<i>SB/SIL Number</i>	<i>Unit</i>	<i>Title</i>	<i>Date</i>
SB 1	CTS-451	Addition of NAV 1/2 Select Switch	Jan 5/79
SB 1	IND-450	Reduction of VHF Interference on DME Operation	Oct 5/79
SB 1R1	IND-451	RNAV Mode NAV 1/NAV 2 Wiring Change	Oct 20/78
SB 2R1	IND-451	Interface with AP-106 Autopilot	Aug 1/80
SB 3R1	IND-451	GMT Clock Transient Tolerance Improvement	Sep 23/80
SB 4	IND-451	Addition of Display Inhibit	Sep 8/80
SB 5	IND-451	Reduce GMT Clock Susceptibility to Power Transients	Jan 30/81
SB 1	TCR-451	Digital Distance Interface	Sep 1/77
SB 2R1	TCR-451	Groundspeed Initialization Circuit	Jan 15/79
SB 3	TCR-451	Prevention of IF Amplifier Oscillation	Apr 28/78
SB 4	TCR-451	Loss of Lock When Channeling Non-DME Coupled NAV	Nov 15/78
SB 5	TCR-451	VHF Comm to DME Interference	Nov 15/79
SB 6	TCR-451	Delayed NAV System Mode Control Response Time	Jan 14/80
SIL 1-78	IND-451	IND-451 Wiring Change	Jan 18/78
SIL 2-78R1	IND-451	GMT Clock Failure	Dec 15/79
SIL 3-78	IND-451	Improved F/S Clock Switch	Dec 22/78
SIL 1-78	TCR-451	Intermittent Channel 27 Operation	Aug 15/78
SIL 1-79	TCR-451	DME to VHF Comm Interference	Nov 1/79
SIL 1-80	TCR-451	Improper Installation of Capacitor C1	Jan 14/80
SIL 1-93	TCR-451	Improved TCR-451 Sensitivity	Mar 10/93

NOTICE: This title page replaces third edition title page dated 2 August 1984

GLS-350/350E Glideslope Receiver

Bulletins & Letters

Printed in USA

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5th Edition, 18 November 1997

Service Bulletins and Service Information Letters Issued to Date

<i>SB/SIL Number</i>	<i>Unit</i>	<i>Title</i>	<i>Date</i>
SB 1	GLS-350	Reduction of Interference by VHF Transmissions	Feb 14/76
SB 2	GLS-350	Prevention of Receiver Oscillation	Oct 22/79
SB AR2	GLS-350	GLS-350 Filter Assembly	Oct 5/87
SB 1	GLS-350E	Prevention of Receiver Oscillation	Oct 22/79
SIL 1-76	GLS-350/350E	Pairing Decoder Damage	Aug 1/76
SIL 1-84	GLS-350	Inability of Nav Recvrs to Detect DC Deviation Outputs	Aug 2/84
SIL 1-86	GLS-350/350E	Correct Circuit Breaker Current Rating	Jun 13/86

NOTICE: This title page replaces fourth edition title page dated 9 June 1982

MKR-350 Marker Receiver
MKL-350/351 Remote Marker Lights
AUD-250/250H/251H Audio Panel
AMR-350/350H Audio/Marker Panel

Bulletins & Letters

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Service Bulletins and Service Information Letters Issued to Date

<i>SB/SIL Number</i>	<i>Unit</i>	<i>Title</i>	<i>Date</i>
SB 1	AMR-350	Thermal Drift in 28-Volt Installations	Jun 1/77
SB 2R1	AMR-350	Improved Oscillator Performance	Jan 16/81
SB 3	AMR-350	Increased Sidetone Output Level for Interphone Application	Nov 21/77
SB 4	AMR-350	Additional Audio Input	Jul 21/78
SB 5R1	AMR-350	Marker Receiver-to-Transponder Interference	Jan 16/81
SB 6	AMR-350	Use of Marker Output to Trigger Autopilot Gain Programr	May 1/80
SB 1	AMR-350H	Additional Audio Input	Feb 23/76
SB 2	AMR-350H	Thermal Drift in 28-Volt Installations	Jun 1/77
SB 3	AMR-350H	Improved Oscillator Performance	Nov 15/77
SB 4	AMR-350H	Increased Sidetone Output Level for Interphone Application	Nov 21/77
SB 5	AMR-350H	HF Keyline Transient Suppression	Jan 12/79
SB 6	AMR-350H	Marker Receiver-to-Transponder Interference	Apr 18/79
SB 7	AMR-350H	Use of Marker Output to Trigger Autopilot Gain Programr	May 1/80
SB 8	AMR-350H	Switch VHF-253/253S Transfer/Select Control Auto	May 11/82
SB 1	AUD-250	Thermal Drift in 28-Volt Installations	Jun 1/77
SB 2	AUD-250	Increase Sidetone Output Level for Interphone Applications	Nov 21/77
SB 3	AUD-250	Additional Audio Input	Feb 23/78
SB 1	AUD-250H	Thermal Drift in 28-Volt installations	Jun 1/77
SB 2	AUD-250H	Increased Sidetone Output Level for Interphone Application	Nov 21/77
SB 3R1	AUD-250H	Additional Audio Input	Oct 10/80
SB 4	AUD-250H	HF Keyline Transient Suppression	Jan 12/79
SB 1	AUD-251H	Thermal Drift in 28-Volt Installations	Jun 1/77

NOTICE: This title page replaces third edition title page dated 1 June 1978

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MKR-350 Marker Receiver

MKL-350/351 Remote Marker Lights

AUD-250/250H/251H Audio Panel

AMR-350/350H Audio/Marker Panel

Bulletins & Letters

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Service Bulletins and Service Information Letters Issued to Date

<i>SB/SIL Number</i>	<i>Unit</i>	<i>Title</i>	<i>Date</i>
SB 2	AUD-251H	HF Keyline Transient Suppression	Jan 12/79
SB 3R1	AUD-251H	Increase Headphone Drive	Aug 3/81
SB 4	AUD-251H	Improve Operation With Low Resistance Microphones	Jun 6/80
SB 1	MKR-350	Improved Oscillator Performance	Nov 15/77
SB 2	MKR-350	Capacitor C51 Replacement	Feb 17/78
SB 3	MKR-350	Marker Receiver-to-Transponder Interference	Apr 18/79
SB 4	MKR-350	Use of Marker Output to Trigger Autopilot Gain Program	May 1/80
SIL 1-75	AMR-350	Toggle Switch Replacement/Interchangeability	Sep 1/75
SIL 2-75	AMR-350	Alteration of Speaker Muting Circuit	Nov 1/75
SIL 1-76	AMR-350	Replacement of Rotary Switch Control Knobs	Sep 1/76
SIL 1-77	AMR-350	Receiver Sensitivity Adjustment	Jun 10/77
SIL 2-77	AMR-350	Marker Receiver 87.5 MHz Oscillator Tuning Procedures	Sep 1/77
SIL 3-77	AMR-350	28-Volt Installation Dropping Resistor	Oct 5/77
SIL 4-77	AMR-350	Audio/Marker Panel Operating Characteristics	Oct 14/77
SIL 1-79	AMR-350	Marker Audio Interference	Jan 19/79
SIL 2-79	AMR-350	Dropping Resistor Cover Modification	Mar 15/79
SIL 3-79	AMR-350	Position of Marker Board Capacitors C-41, C-42, and C-43	Oct 19/79
SIL 1-75	AMR-350H	Toggle Switch Replacement/Interchangeability	Sep 1/75
SIL 2-75	AMR-350H	Alteration of Speaker Muting Circuit	Nov 1/75
SIL 1-76	AMR-350H	Replacement of Rotary Switch Control Knobs	Sep 1/76
SIL 1-77	AMR-350H	Receiver Sensitivity Adjustment	Jun 10/77
SIL 2-77	AMR-350H	Marker Receiver 87.5 MHz Oscillator Tuning Procedures	Sep 1/77

NOTICE: This title page replaces third edition title page dated 1 June 1978

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MKR-350 Marker Receiver

MKL-350/351 Remote Marker Lights

AUD-250/250H/251H Audio Panel

AMR-350/350H Audio/Marker Panel

Bulletins & Letters

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4th Edition, 9 June 1982

Service Bulletins and Service Information Letters Issued to Date

<i>SB/SIL Number</i>	<i>Unit</i>	<i>Title</i>	<i>Date</i>
SIL 3-77	AMR-350H	28-Volt Installation Dropping Resistor	Oct 5/77
SIL 4-77	AMR-350H	Audio/Marker Panel Operating Characteristics	Oct 14/77
SIL 1-79	AMR-350H	Marker Audio Interference	Jan 19/79
SIL 2-79	AMR-350H	Dropping Resistor Cover Modification	Mar 15/79
SIL 3-79	AMR-350H	Position of Marker Board Capacitors C-41, C-42, and C-43	Oct 19/79
SIL 1-75	AUD-250	Toggle Switch Replacement/Interchangeability	Sep 1/75
SIL 2-75	AUD-250	Alteration of Speaker Muting Circuit	Nov 1/75
SIL 1-76	AUD-250	Replacement of Rotary Switch Control Knobs	Sep 1/76
SIL 1-77	AUD-250	28-Volt Installation Dropping Resistor	Oct 5/77
SIL 2-77	AUD-250	Audio Panel Operating Characteristics	Oct 14/77
SIL 1-79	AUD-250	Dropping Resistor Cover Modification	Mar 15/79
SIL 1-75	AUD-250H	Toggle Switch Replacement/Interchangeability	Sep 1/75
SIL 2-75	AUD-250H	Alteration of Speaker Muting Circuit	Nov 1/75
SIL 1-76	AUD-250H	Replacement of Rotary Switch Control Knobs	Sep 1/76
SIL 1-77	AUD-250H	28-Volt Installation Dropping Resistor	Oct 5/77
SIL 2-77	AUD-250H	Audio Panel Operating Characteristics	Oct 14/77
SIL 1-79	AUD-250H	Dropping Resistor Cover Modification	Mar 15/79
SIL 1-76	AUD-251H	Replacement of Rotary Switch Control Knobs	Sep 1/76
SIL 1-78	AUD-251H	Isolating Headphones From Each Other	Jul 17/78
SIL 1-77	MKR-350	Receiver Sensitivity Adjustment	Jan 10/77
SIL 2-77	MKR-350	Marker Receiver 87.5 MHz Oscillator Tuning Procedures	Sep 1/77
SIL 1-79	MKR-350	Position of Marker Board Capacitors C-41, C-42, and C-43	Oct 19/79

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Collins PWC-150 Power Converter

Bulletins & Letters

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<i>SB/SIL Number</i>	<i>Unit</i>	<i>Title</i>	<i>Date</i>
SB 1 R2	PWC-150	Overload/Short-Out Protection	Feb 14/77
SB 2	PWC-150	PC Board Post Coating	Apr 1/77

NOTICE: This title page replaces second edition title page dated 15 March 1978

TDR-950/950L Transponder

Bulletins & Letters

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Service Bulletins and Service Information Letters Issued to Date

SB/SIL Number	Unit	Title	Date
SB 1R1	TDR-950/950L	TDR-950/950L Suppression Circuitry	Jan 2/77
SB 2	TDR-950/950L	TDR-950/950L L-Band Interference Suppression	Mar 1/76
SB 3R1	TDR-950/950L	Reduction of L-Band Interference	Apr 1/77
SB 4	TDR-950/950L	Neutral Lamp Filters	Jul 15/76
SB 5	TDR-950/950L	Reply Clock Timing	Feb 1/77
SB 6R1	TDR-950/950L	Lamp DS4 Relocation	Mar 15/77
SB 7	TDR-950/950L	Power Interrupt Oscillation in 28-Volt Systems	May 16/78
SB 8	TDR-950	Reply Pulse Spacing	Oct 16/78
SB 9	TDR-950/950L	Incoming Suppression	Jan 19/79
SB 10R1	TDR-950/950L	Replacement of Mode Selector	Aug 2/83
SB 11	TDR-950/950L	Replacement of Transmitter Cavity	Apr 27/99
SIL 1-75	TDR-950	Transponder Antenna Identification	Oct 1/75
SIL 2-75	TDR-950	28-To 14-V Power Conversion Kit Installation	Oct 15/75
SIL 3-75	TDR-950	Installation of Neutral Lamp Filters	Dec 1/75
SIL 4-75	TDR-950/950L	TDR-950/950L Dual Installation	Dec 15/75
SIL 1-76	TDR-950/950L	TDR-950/950L Suppression Circuitry	Dec 15/75
SIL 2-76	TDR-950/950L	Defective Switch Board Assemblies	Jul 1/76
SIL 3-76	TDR-950/950L	Erroneous IDENT Illumination With Transponder On	Jul 20/76
SIL 4-76	TDR-950/950L	Transmitter Frequency Adjustment	Sep 1/76
SIL 5-76	TDR-950/950L	Transmitter Power Measurement	Dec 1/76
SIL 1-77	TDR-950/950L	Cavity V1 Power Output	Mar 1/77

NOTICE: This title page replaces fourth edition title page dated 1 August 1984

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TDR-950/950L

Transponder

Bulletins & Letters

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Service Bulletins and Service Information Letters Issued to Date

SB/SIL Number	Unit	Title	Date
SIL 2-77	TDR-950/950L	28-Volt Installation Power Interrupt	Mar 1/77
SIL 3-77	TDR-950/950L	IF Circuit Alignment	May 1/77
SIL 1-78	TDR-950/950L	Local Oscillator Alignment for TDR-950 Transponders Above SN # 7400 and TDR-950L Transponders Above SN # 1700	Jun 23/78
SIL 2-78	TDR-950	F1/F2 Pulse Spacing	Sep 26/78
SIL 1-79	TDR-950/950L	Transmitter Frequency Pulling/Antenna Contamination	Apr 2/79
SIL 2-82	TDR-950/950L	Preferred Replacement for Q19	Feb 18/82
SIL 1-99	TDR-950/950L	Change Text for Test Procedure	Jul 13/99

NOTICE: This title page replaces fourth edition title page dated 1 August 1984

VHF-250/250E/250S COMMUNICATIONS TRANSCEIVER

Bulletins & Letters

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Service Bulletins and Service Information Letters Issued to Date

<i>SB/SIL Number</i>	<i>Unit</i>	<i>Title</i>	<i>Date</i>
SB 1	VHF-250/250E/250S	Distorted Transmissions	Mar 17/78
SB 2	VHF-250/250E/250S	No-Signal Audio Noise	Mar 24/78
SB 3R2	VHF-250/250E/250S	Prevention of Volume Control Rotation Due to Vibration	Jun 15/79
SB 4	VHF-250	Transmitter Noise Level	Sep 12/80
SB 5	VHF-250E	Reduce Transmitter Noise Level	May 11/81
SB 6	VHF-250/250E/250S	Distorted Transmissions Due to Frequency Modulation	Sep 15/84
SBAR4	VHF-250	Add Capability for Climax (Offset Carrier) Operation	Jul 22/88
SIL 1-77	VHF-250/250E/250S	Receiver Sensitivity Test Procedure	Apr 1/77
SIL 2-77	VHF-250/250E/250S	A1Q1 and A1Q2 Package Improvement	May 15/77
SIL 1-80	VHF-250/250E/250S	Improvement in A2CR23 Reliability	Jan 30/80
SIL 2-80	VHF-250/250E/250S	Reduced Squelch Threshold Level Adjustment	Feb 14/80

NOTICE: This title page replaces third edition title page dated 2 August 1984

VHF-251/251E/251S Communications Transceiver

Bulletins & Letters

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Service Bulletins and Service Information Letters Issued to Date

<i>SB/SIL Number</i>	<i>Unit</i>	<i>Title</i>	<i>Date</i>
SB 1	VHF-251	Shorten Squelch Tail	Jul 14/75
SB 2	VHF-251	Select/Recall Logic Change	Apr 15/75
SB 3	VHF-251	Relay A1K1 Rewiring	Jul 15/75
SB 4R1	VHF-251	Replacement of Transistors A1Q1 and A1Q2	Apr 13/88
SB 5	VHF-251	Not Issued	N/A
SB 6R1	VHF-251	Automatic Squelch Modification	Sep 15/76
SB 7	VHF-251	Audio Quality	Jun 15/76
SB 8	VHF-251	Parametric Oscillation in Dual Installations	Oct 15/76
SB 9	VHF-251	Receiver Range	Dec 1/76
SB 10R1	VHF-251	Extending Receiver Range	May 15/78
SB 11	VHF-251	No-Signal Audio Noise	Mar 24/78
SB 12	VHF-251	Distorted Transmissions	Mar 17/78
SB 13	VHF-251	Transmitter Noise Level	Sep 12/80
SB 14R1	VHF-251	Reduce Audio Background Noise	Sep 12/80
SB 15	VHF-251	Reduce Transmitter Noise Level	May 11/81
SB 16	VHF-251	Add Intercom Gain Adjustment	Oct 8/81
SB 17	VHF-251	Distorted Transmissions/Frequency Modulation	Sep 15/84
SB 18	VHF-251	760 Channel Enhancement	Dec 15/96
SB 1	VHF-251E	Parametric Oscillation in Dual Installation	Oct 15/76
SB 2	VHF-251E	Receiver Range	Dec 1/76
SB 3R1	VHF-251E	Increased Transmitter Power	Nov 11/77
SB 4	VHF-251E	Distorted Transmissions	Mar 17/78
SB 5	VHF-251E	No-Signal Audio Noise	Mar 24/78

NOTICE: This title page replaces 8th edition title page dated 26 March 1997

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VHF-251/251E/251S
Communications
Transceiver

Bulletins & Letters

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Service Bulletins and Service Information Letters Issued to Date

<i>SB/SIL Number</i>	<i>Unit</i>	<i>Title</i>	<i>Date</i>
SB 6R1	VHF-251E	Extending Receiver Range	May 15/78
SB 7	VHF-251E	Transmitter Noise Level	Sep 12/80
SB 8	VHF-251E	Reduce Audio Background Noise	Jun 16/80
SB 9	VHF-251E	Reduce Transmitter Noise Level	May 11/81
SB 10	VHF-251E	Add Intercom Gain Adjustment	Oct 8/81
SB 11	VHF-251E	Distorted Transmissions/Frequency Modulation	Sep 15/84
SB 12	VHF-251E	760 Channel Enhancement	Dec 15/96
SB 1	VHF-251S	Parametric Oscillation in Dual Installations	Oct 15/76
SB 2R2	VHF-251S	Receiver Range	Feb 14/77
SB 3	VHF-251S	Distorted Transmissions	Mar 17/78
SB 4	VHF-251S	No-Signal Audio Noise	Mar 24/78
SB 5	VHF-251S	Extending Receiver Range	May 1/78
SB 6	VHF-251S	Transmitter Noise Level	Sep 12/80
SB 7	VHF-251S	Reduce Audio Background Noise	Jun 16/80
SB 8	VHF-251S	Reduce Transmitter Noise Level	May 11/81
SB 9	VHF-251S	Add Intercom Gain Adjustment	Oct 8/81
SB 10	VHF-251S	Distorted Transmissions/Frequency Modulation	Sep 15/84
SB 11	VHF-251S	760 Channel Enhancement	May 18/98
SBAR4	VHF-251	Add Capability for Climax (Offset Carrier) Operation	Jul 22/88
SB B	VHF-251/251E/251S	Intercom Disconnection	Nov 3/80
SB C	VHF-251E	Modify the VHF-251E to a VHF-251	Dec 19/86

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VHF-251/251E/251S
Communications
Transceiver

Bulletins & Letters

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Service Bulletins and Service Information Letters Issued to Date

<i>SB/SIL Number</i>	<i>Unit</i>	<i>Title</i>	<i>Date</i>
SIL 1-75	VHF-251	Installation Kit Assembly	Jun 1/75
SIL 1-76	VHF-251	Carrier Squelch Threshold Adjustment Desensitization	Jan 1/76
SIL 2-76	VHF-251	New Switch/Pot Assembly	Feb 14/76
SIL 3-76	VHF-251	Simplifying Automatic Squelch Adjustment	Oct 15/76
SIL 4-76R1	VHF-251	Rotary Switch Insulator	Jan 15/77
SIL 1-76R1	VHF-251E/VHF-251S	Rotary Switch Insulator	Jan 15/77
SIL 1-77	Micro Line Nav/Com Equip	Universal Mounting Tray	Feb 14/77
SIL 1-77	VHF-251	Prerequisite for Service Bulletin 9 Installation	Mar 15/77
SIL 1-77	VHF-251S/E	Receiver Sensitivity Test Procedure	Apr 1/77
SIL 2-77	VHF-251	Receiver Sensitivity Test Procedure	Apr 1/77
SIL 2-77	VHF-251S/E	A1Q1 and A1Q2 Package Improvement	May 15/77
SIL 3-77	VHF-251	A1Q1 and A1Q1 Package Improvement	May 15/77
SIL 1-78R1	VHF-251/251E/251S	Erroneous Transceiver Channeling	May 15/80
SIL 1-80	VHF-251/251E/251S	Improvement in A2CR23 Reliability	Jan 30/80
SIL 2-80R1	VHF-251E	Transceiver Intercom Feature	Jun 10/80
SIL 2-80R1	VHF-251S	Transceiver Intercom Feature	Jun 10/80
SIL 2-80R2	VHF-251	Transceiver Intercom Feature	Sep 12/80
SIL 1-83	VHF-251/251E/251S	Distorted or Garbled Transmissions	Nov 18/83
SIL 1-89	VHF-251/251E/251S	Non-Procurable Part	May 4/89

NOTICE: This title page replaces 8th edition title page dated 26 March 1997

VHF-251A Communications Transceiver

Bulletins & Letters

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<i>SB/SIL Number</i>	<i>Unit</i>	<i>Title</i>	<i>Date</i>
SB 1	VHF-251A	Common Circuits Board Replacement	Jun 3/96

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VHF-253/253S Communications Transceiver

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<i>SB/SIL Number</i>	<i>Unit</i>	<i>Title</i>	<i>Date</i>
SB 1	VHF-253/253S	Optional Speaker Amplifier	Sep 1/81
SB 2R1	VHF-253/253S	Carrier Squelch Adjustment for Use with Offset Carrier Signals	Jul 15/82
SB 3	VHF-253/253S	No-Signal Audio Noise	May 15/83
SB 4	VHF-253/253S	Prevent Inadvertent Shutdown and FM due to High RF Fields	Apr 10/85
SB 5	VHF-253/253S	Correct Second Local Oscillator Start Up Problem	Jan 10/85
SB 6R1	VHF-253/253S	Improve Low Voltage Reliability	Sep 5/86
SB 7	VHF-253	760 Channel Enhancement	May 19/98
SIL 1-83	VHF-253/253S	Power Supply Replacement Capacitor	May 1/83
SIL 1-84	VHF-253/253S	Thermal Compound under Power Transistors	Apr 2/84
SIL 1-87	VHF-253	Replacement of Diodes	Jan 6/88

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VIR-351

Navigation Receiver

IND-350/351/351C Indicator and

IND-350A/351A/351D Indicator

Bulletins & Letters

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Service Bulletins and Service Information Letters Issued to Date

<i>SB/SIL Number</i>	<i>Unit</i>	<i>Title</i>	<i>Date</i>
SB 1	VIR-351 (1-5)	Improve AGC Dynamic Range	May 1/75
SB 1	VIR-351 (11-16)	FM Broadcast Interference	Jun 22/79
SB 2	VIR-351	Not Issued	N/A
SB 2R1	VIR-351	Minimize Rotor Modulation Effect on Audio	Jul 11/84
SB 3	VIR-351 (1-6)	Reduction of Power Supply Interference to ADF Systems	Jan 15/76
SB 3	VIR-351 (11-16)	Reduce Effect of Scalloped VOR Signals	Nov 13/81
SB 4R1	VIR-351 (1-6)	FM Broadcast Interference	Jun 22/79
SB 4	VIR-351 (11-16)	Improve Operation With Doppler VOR Signals	Dec 16/81
SB 5	VIR-351	Reduce Effect of Scalloped VOR Signals	Nov 13/81
SB 6	VIR-351	Improve Operation With Doppler VOR Signals	Dec 16/81
SB 7	VIR-351	FM Broadcast Interference	Nov 15/95
SB AR1	VIR-351	Spring Loaded Switch/Pot Assembly	Dec 1/78
SB BR1	VIR-351	Comm to Nav Interference Improvement	Feb 27/79
SB 2	IND-350	VOR/ILS Meter Movement Replacement	Mar 15/82
SB 1	IND-350/351	Improve Indicator Illumination	May 1/75
SB 2	IND-351	VOR/ILS and Glideslope Meter Movement Replacement	Mar 15/82
SB 1	IND-351C	VOR/ILS and Glideslope Meter Movement Replacement	Mar 15/82

NOTICE: This title page replaces sixth edition title page dated 26 January 1996

(CONT'D)

VIR-351

Navigation Receiver

IND-350/351/351C Indicator and

IND-350A/351A/351D Indicator

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<i>SB/SIL Number</i>	<i>Unit</i>	<i>Title</i>	<i>Date</i>
SIL 1-75	VIR-351	Installation Kit Assembly	Jun 1/75
SIL 2-75	VIR-351	Increase Audio Output at Lower Modulation Level	Dec 1/75
SIL 1-76	VIR-351	New Switch/Pot Assembly	Feb 14/76
SIL 2-76	VIR-351	Adjustment of RF AGC Delay Circuit	Feb 23/76
SIL 3-76R1	VIR-351	Rotary Switch Insulator	Jan 15/77
SIL 1-77	VIR-351	Interface With 331A-3G Course Indicator	Jul 1/77
SIL 1-84	VIR-351	Inability of Nav Receivers to Detect DC Deviation Outputs	Aug 2/84
SIL 1-89R1	VIR-351	Non-Procurable Part	Jul 19/89
SIL 1-76	IND-351	Spacer Block Mounting Screw Length	May 1/76
SIL 1-76	IND-351C	CT Synchro B2 Shaft Extension Adhesive	Sep 1/76
SIL 1-77	IND-350/351/C	NAV and GS Flag Replacement	Jul 20/77
SIL 2-77R1	IND-350/351/C	Movement Stop Cleaning Procedure	Nov 11/77
SIL 1-79	IND-350A/1A/D	Keyed Mating Connector	Feb 14/79
SIL 1-80	IND-350/A/351/ 351A/C/D	Mounting Screw Length	Nov 22/80

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