

Honeywell

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SERVICE INFORMATION LETTER

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A. Subject

DISCONTINUATION (END OF LIFE [EOL]) OF THE PRIMUS 880, 660, 440, AND 331 WEATHER RADAR SYSTEMS

B. Effectivity

- (1) This service information letter is applicable to the Honeywell Primus 880, 660, 440, and 331 Weather Radar Systems, of which the primary components are:

Part Number	Model Number	Description
7021450-801	WU-880	PRIMUS 880 RTA, accepts 10-, 12-, 15-, 18-, or 24-inch flat-plate.
7021450-601	WU-660	PRIMUS 660 RTA, accepts 10-, 12-, 15-, or 18-inch flat-plate.
7021450-401	WU-440	PRIMUS 440 RTA, accepts 10- or 12-inch flat-plate.
7021450-331	WU-331	PRIMUS 331 RTA, unique for Sino-Swearingen SJ-30.
7008471-101	WC-440	PRIMUS 440 controller with gray bezel and LSS control.
7008471-102	WC-440	PRIMUS 440 controller with black bezel and LSS control.
7008471-103	WC-440	PRIMUS 440 controller with gray bezel.
7008471-104	WC-440	PRIMUS 440 controller with black bezel.
7008471-111	WC-440	PRIMUS 440 controller with gray bezel, LSS control, and external range input.
7008471-112	WC-440	PRIMUS 440 controller with black bezel, LSS control, and external range input.
7008471-113	WC-440	PRIMUS 440 controller with gray bezel and external range input.
7008471-114	WC-440	PRIMUS 440 controller with black bezel and external range input.
7008471-643	WC-660	PRIMUS 660 controller with gray bezel (only for use with the Bendix/King EFIS 50 on Lear 31A aircraft).

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Part Number	Model Number	Description
7008471-644	WC-660	PRIMUS 660 controller with black bezel (only for use with the Bendix/King EFIS 50 on Lear 31A aircraft).
7008471-665	WC-660	PRIMUS 660 controller with gray bezel and LSS control.
7008471-666	WC-660	PRIMUS 660 controller with black bezel and LSS control.
7008471-667	WC-660	PRIMUS 660 controller with gray bezel.
7008471-668	WC-660	PRIMUS 660 controller with black bezel.
7008471-669	WC-660	PRIMUS 660 controller with grey bezel.
7008471-675	WC-660	PRIMUS 660 controller with gray bezel, LSS control, and external range input.
7008471-676	WC-660	PRIMUS 660 controller with black bezel, LSS control, and external range input.
7008471-677	WC-660	PRIMUS 660 controller with gray bezel and external range input.
7008471-678	WC-660	PRIMUS 660 controller with black bezel and external range input.
7008471-685	WC-660	PRIMUS 660 controller with gray bezel, LSS control external range input, 2.5 NM range, and no flight plan mode.
7008471-686	WC-660	PRIMUS 660 controller with black bezel, LSS control, external range input, 2.5 NM range, and no flight plan mode.
7008471-687	WC-660	PRIMUS 660 controller with gray bezel, external range input, 2.5 NM range, and no Flight plan mode.
7008471-688	WC-660	PRIMUS 660 controller with black bezel, external range input, 2.5 NM range, and no Flight plan mode.
7008471-890	WC-660	PRIMUS 660 controller with black bezel, external range input, 2.5 NM range, no Flight plan mode, and NVIS lighting. EXPORT CONTROLLED.
7008471-405	WC-880	PRIMUS 880 controller with gray bezel and LSS control.
7008471-406	WC-880	PRIMUS 880 controller with black bezel and LSS control.
7008471-407	WC-880	RT mounting tray, hard mount (not recommended for new installations).
7008471-408	WC-880	PRIMUS 880 controller with gray bezel.
7008471-415	WC-880	PRIMUS 880 controller with gray bezel, LSS control, and external range input.
7008471-416	WC-880	PRIMUS 880 controller with black bezel, LSS control, and external range input.

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Part Number	Model Number	Description
7008471-417	WC-880	PRIMUS 880 controller with gray bezel and external range input.
7008471-418	WC-880	PRIMUS 880 controller with black bezel and external range input.
7008471-419	WC-880	PRIMUS 880 controller with custom panel color. Not sold for general use.
7008471-443	WC-880	PRIMUS 880 controller with gray bezel (only for use with the Bendix/King EFIS 50 on Lear 31A aircraft).
7008471-444	WC-880	PRIMUS 880 controller with black bezel (only for use with the Bendix/King EFIS 50 on Lear 31A aircraft).
7006921-815	WC-884	PRIMUS 880 controller with gray bezel and rotary range control (used on Gulfstream G-IV and G-V with SPZ-8000/8400/8500 installations).
7006921-816	WC-884	PRIMUS 880 controller with black bezel and rotary range control (used on Gulfstream G-IV and G-V with SPZ-8000/8400/8500 installations).
7006921-825	WC-884	PRIMUS 880 controller with gray bezel and rotary encoder range control (used on Gulfstream G-IV with G-V Plane view installations).
7006921-826	WC-884	PRIMUS 880 controller with black bezel and rotary encoder range control (used on Gulfstream G-IV and G-V Plane view installations).
7021451-910	IK-910	Installation kit: 10-inch flat-plate, flat-plate mounting hardware, mating 104-pin D-connector, and standard height two-piece backshell.
7021451-610	IK-610	Installation kit: 10-inch flat-plate, flat-plate mounting hardware, mating 104-pin D-connector, and reduced height two-piece backshell.
7021451-410	IK-410	10-inch flat-plate and flat-plate mounting hardware.
7021451-812	IK-812	Installation kit: 12-inch flat-plate, flat-plate mounting hardware, mating 104-pin D-connector, and standard height two-piece backshell.
7021451-612	IK-612	Installation kit: 12-inch flat-plate, flat-plate mounting hardware, mating 104-pin D-connector, and reduced height two-piece backshell.
7021451-412	IK-412	12-inch flat-plate and flat-plate mounting hardware (Replaces IK-712).
7021451-915	IK-915	Installation kit: 15-inch flat-plate, flat-plate mounting hardware, mating 104-pin D-connector, and standard height two-piece backshell.

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Part Number	Model Number	Description
7021451-415	IK-415	15-inch flat-plate and flat-plate mounting hardware.
7021451-818	IK-818	Flat-plate mounting hardware only (seven screws and captive washers to mount flat-plate to radar).
7021451-718	IK-718	18-inch flat-plate, flat-plate mounting hardware, and bulkhead mount spacer.
7021451-418	IK-418	18-inch flat-plate and flat-plate mounting hardware.
7021451-824	IK-824	Installation kit: 24-inch flat-plate, flat-plate mounting hardware, mating 104-pin D-connector, and standard height two-piece backshell.
7021451-924	IK-924	Installation kit: 24-inch flat-plate, flat-plate mounting hardware, mating 104-pin D-connector, bulkhead mount spacer, and standard height two-piece backshell.
7021451-724	IK-724	24-inch flat-plate, flat-plate mounting hardware, and bulkhead mount spacer.
7021451-424	IK-424	24-inch flat-plate and flat-plate mounting hardware.
7021451-501	IK-501	18-inch bulkhead mount spacer.
7021451-502	IK-502	24-inch bulkhead mount spacer with mounting hardware.
7021451-504	IK-504	104-pin D-connector and pins.
7021451-507	IK-507	Flat-plate mounting hardware only (seven screws and captive washers to mount flat-plate to radar).
7021451-508	IK-508	Indicator main mating connector for any WI-880/650/660/440 indicators.
7021451-510	IK-510	Indicator UDI mating connector for all WI-880/660/650/440 indicators except 7007700-301/302.
7021451-511	IK-511	Controller main mating connector for all WC-884/880/660/440 controllers.
7021451-512	IK-512	Controller secondary mating connector for WC-884 controllers, Part No. 7006921-815/816, used on G-IV and G-V aircraft.
7021451-513	IK-513	Controller mating connector for all WC-880/660/440 controllers with integrated LSS Control.
7021451-514	IK-514	Standard height two-piece backshell for 104-pin D-connector.
7021451-515	IK-515	Reduced height two-piece backshell for 104-pin D-connector.
7021451-520	IK-520	Adapter cable to retrofit WU-880 to WU-870 aircraft wiring, cable tie brackets included.

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Part Number	Model Number	Description
7021451-521	IK-521	Adapter cable to retrofit WU-660 to WU-650 aircraft wiring, cable tie brackets included.
7021451-522	IK-522	Two cable tie brackets for cable routing along the base of the radar.
7021451-523	IK-523	RTA and controller adapter cables to retrofit WU-660/880 and WC-660/880 into Learjet Model 31A aircraft with EFIS 50 and RDR-2000.
7021451-912	IK-912	Installation kit: 12-inch flat-plate, flat-plate mounting hardware, mating 104-pin D-connector, and side entry EMI backshell.
7021451-918	IK-918	Installation kit: 18-inch flat-plate, flat-plate mounting hardware, bulkhead mount spacer, mating 104-pin D-connector, and side entry EMI backshell.
7021451-505	IK-505	Rear entry EMI backshell for 104-pin D-connector.
7021451-506	IK-506	Side entry EMI backshell for 104-pin D-connector.
7021451-509	IK-509	Indicator UDI mating connector for WI-650 indicators without LSS control (7007700-301/302) (MS3126F14-19S, round, 19 pins, 63J2).

C. Applicability

- (1) This service information letter is only applicable to equipment received from Original Equipment Manufacturers or equipment received from in-service aircraft. Aircraft tail number should be provided, as applicable. This service information letter is not applicable to excess equipment and equipment removed from parked or dismantled aircraft.

D. Reason

- (1) Honeywell will discontinue production of Primus 880, 660, 440, and 331 components.
- (2) **Problem**
 - (a) Due to supply constraints (including obsolescence issues) and decreasing demand for the Primus 880, 660, 440, and 331 weather radar components.
- (3) **Solution**
 - (a) Honeywell will be introducing a replacement weather radar, the RDR-7000, which can replace the Primus 880, and 660 weather radar systems. The RDR-7000 offers superior weather detection and display/analysis capabilities including features such as turbulence detection, predictive windshear, and lightning and hail prediction. Honeywell recommends operators to upgrade to the new radar system. The RDR-7000 is not a direct replacement for the Primus 440 or 331.

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E. References

- (1) To find, see, and download Honeywell Technical Publications, go to www.myaerospace.com.

F. Action

- (1) Honeywell will be accepting orders for the Primus 880, 660, 440, and 331 radar system components until 22 Jan 2021 with delivery on or before 31 Dec 2021. Honeywell intends to support repairs thru the Year 2026, or longer if contractual obligations apply. Please contact the 24/7 global technical operations center at the following numbers for information regarding the support of Primus 880, 660, 440, and 331 weather radar components.

G. Contact Information

- (1) The Honeywell Aerospace Technical Support (ATS) team can be contacted for additional information on this service information letter.

Honeywell Aerospace Technical Support
Telephone: 855-808-6500 (Toll Free U.S.A./Canada)
Telephone: 602-365-6500 (International Direct)
Option 1 for Avionics or Option 2 for Mechanical.
E-mail: AeroTechSupport@honeywell.com

H. Summary

This is the INITIAL release.

I. Revision History

This service information letter has had no revision(s) as shown in [Table 1](#).

Table 1. Revision History

Revision Number	Revision Date
0	20 Dec 2019

Export Control

These items are controlled by the U.S. government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.

ECCN: 7E994.