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SERVICE INFORMATION LETTER

AIRBORN AUXILIARY POWER- GAS TURBINE ENGINE - Honeywell Auxiliary Power Unit (APU) Rental Engine worksheet for 36-100, 36-150, RE100, and RE220 APUs

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Transmittal Information

Publication Number D201701000026

Summary

This revision is a FULL replacement. This revision includes the change that follow:

- Added “Removed” in place of “Installed” in Figure 1.

The information that is identified with revision bars is listed in the Revision History section. Revision bars are not used before Paragraph 1.A. The editorial changes and information that was moved, removed, or reformatted are not identified with revision bars.

Revision History

This service information letter has had two revisions as shown in Table 1.

Table 1. Revision History

Revision Number	Revision Date
0	30 Jan 2017
1	23 Jan 2018
2	21 Mar 2018

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1. General Information

A. Effectivity

- (1) Honeywell 36-100, 36-150, RE100, and RE220 APU Rental Engines.

B. Reason

(1) **Purpose**

- (a) The attached work sheet in Figure 1 is intended as a checklist for Honeywell Channel partners, approved service centers or repair facilities to be used during the removal of Honeywell rental APUs from the aircraft.

NOTE: This service information letter and form is applicable only to Honeywell APU assets that are made available for rental through Honeywell or approved channel partners.

C. References

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

Table 2. Applicable Manuals

Honeywell Maintenance Manual (MM) Publication Number	APU Model
49-21-47	GTCP36-100[A]
49-21-59	GTCP36-100[E]
49-21-89	GTCP36-100[G]
49-21-61	GTCP36-100[H-2]
49-23-15	GTCP36-100[H-3]
Reference applicable Aircraft Maintenance Manual (AMM)	GTCP36-150[BD]
49-24-75	GTCP36-150[CL]
49-24-17	GTCP36-150[CX]
49-24-11	GTCP36-150[DD]
49-24-86	GTCP36-150[EMB]
49-24-02	GTCP36-150[F]
49-24-14	GTCP36-150[F2M]
Reference applicable AMM	GTCP36-150[FN]
49-27-51	GTCP36-150[G]
Reference applicable AMM	GTCP36-150[GIV]
49-27-07	GTCP36-150[HH]
49-24-22	GTCP36-150[IAI]
49-26-41	GTCP36-150[RJ]
49-23-93	GTCP36-150[W]

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Table 2. Applicable Manuals (Cont)

Honeywell Maintenance Manual (MM) Publication Number	APU Model
49-24-64	RE100[CS]
Reference applicable AMM	RE100[LJ]
49-25-85	RE100[XL]
Reference applicable AMM	RE220[GV]
Reference applicable AMM	RE220[GVI]
49-24-27	RE220[GX]

D. Summary

- (1) The attached work sheet in Figure 1 is intended as a checklist for Honeywell Channel partners, approved service centers or repair facilities to be used during the removal of Honeywell rental APUs from the aircraft.

NOTE: This service information letter and form is applicable only to Honeywell APU assets that are made available for rental through Honeywell or approved channel partners.

E. Action

- (1) During Rental APU removal/return, comply with the HONEYWELL RENTAL/LOANER APU CONDITION SHEET. Refer to Figure 1.

- (a) Pre-removal checks should be performed per the applicable AMM or the applicable APU MM. Refer to Table 2 for the applicable manuals.

NOTE: The applicable manuals will contain the acceptance criteria for continued APU service. The data requested by the form is for information only to Honeywell.

- (b) After removal inspections should be performed in accordance with the applicable AMM or applicable APU MM. Refer to Table 2 for the applicable manuals.

NOTE: Borescope of the APU is not required unless specified by Honeywell, there have been reports of oil smell in the cabin during the rental period, or a general visual inspection of the APU inlet and exhaust shows the possibility of Foreign Object Damage (F.O.D.) or oil leaks.

- (c) Once complete, the form should be added to the logbook and the Rental Worksheet should be completed and emailed to EngineRentals@Honeywell.com.

- (d) If you have any technical questions, please contact Honeywell Aero Technical Support at 855-808-6500 (US/Canada) or 602-365-6500 (International), or e-mail AeroTechSupport@honeywell.com

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- (e) If you have any other questions or comments about the APU rental, please contact Honeywell Customer Support Operations at 1-800-601-3099, or e-mail EngineRentals@Honeywell.com

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HONEYWELL RENTAL / LOANER APU CONDITION SHEET (TO BE COMPLETED AT TIME OF RENTAL / LOANER APU REMOVAL)

RENTAL APU MODEL _____ S/N _____

AIRCRAFT TYPE _____

AIRCRAFT S/N _____ REGISTRATION NO. _____

OWNER / OPERATOR _____

RENTAL APU REMOVED (AGENCY / LOCATION) _____

RENTAL APU TIME: Installed at _____ HOURS _____ CYCLES DATE _____

Removed at _____ HOURS _____ CYCLES DATE _____

1.0 PRE-REMOVAL CHECK

SIGN OFF

1.1 Assure that APU functions in accordance with the aircraft operational requirements. _____

1.2 Light off to 100% _____ seconds _____ °F EGT _____ °C EGT
 Record OAT _____ °F _____ °C Record Altitude _____ feet
 Record Idle Temp _____ °F _____ °C
 Items above to be recorded under no-load condition.
 Record this information and date in the APU log book _____

1.3 Leak check the APU. (fuel-oil-air) Correct any leakage noted beyond specified limits. _____

1.4 Is main engine starting acceptable with this APU at time of removal? YES _____ NO _____

1.5 Perform APU fuel system preservation.

2.0 AFTER REMOVAL

2.1 Perform a borescope inspection of the APU inlet and visual inspection of the exhaust areas for signs of FOD or oil. If any findings please contact the Honeywell rental bank administrator. Maintain records of the inspection. _____

2.2 Rotate the rotating group by hand to check for freedom of rotation and verify no unusual noise. _____

2.3 Oil filter check. Remove and replace the APU oil filter element. Inspect the removed filter for contamination. _____

NOTE: An oil sample and the oil filter should be sent in for a SOAP and filter analysis per SIL-49

2.4 Remove and inspect the oil sump magnetic plug. Clean and reinstall. _____

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Figure 1. (Sheet 1 of 2) Honeywell Rental/Loaner APU Condition Sheet

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HONEYWELL RENTAL / LOANER APU CONDITION SHEET (TO BE COMPLETED AT TIME OF RENTAL / LOANER APU REMOVAL)

NOTE: If an unusual amount of metallic particles are found, notify Honeywell Aero Technical Support and APU Rental Bank Manager for APU disposition.

2.5 Inspect all APU plumbing lines and fittings for security, for security, condition and evidence of fretting. Correct any noted problem. _____

2.6 Visual inspect APU for any missing parts, such as LRU's, rivets, data plate, harness, lines, etc. _____

2.7 This engine has undergone all of the above tasks successfully and is suitable for reuse as a rental engine. _____

3.0 PREPARE APU FOR SHIPMENT

3.1 Install covers on compressor inlet, exhaust duct, electrical openings, fittings, plumbing lines, L/C valve port and necessary mounting pads. _____

3.2 Place APU in approve storage/shipping container. _____

3.3 Comply with all APU Log Book entry requirements on release to service specifying all applicable maintenance procedures performed. _____

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Figure 1. (Sheet 2 of 2) Honeywell Rental/Loaner APU Condition Sheet

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F. Recommendation

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

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