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MANDATORY

SERVICE BULLETIN

DATE: February 6, 2014 Service Bulletin No. 608
Engineering Aspects are
FAA Approved

SUBJECT: Replacement of Hartzell Engine Technologies' Fuel Pump Assemblies

MODELS AFFECTED: Table A in this Service Bulletin

TIME OF COMPLIANCE: Next maintenance event not to exceed 50 hours or before further flight if fuel leak found during preflight inspection

NOTE

Incomplete review of all the information in this document can cause errors. Read the entire Service Bulletin to make sure you have a complete understanding of the requirements

In response to field reports of leaking Hartzell Engine Technologies' (HET's) fuel pump, Lycoming Engines requires replacement of all fuel pumps identified in Tables A and B with a verified fuel pump of the same part number.

Lycoming Engines requires that the fuel pumps be replaced because fuel leaks at the fuel pump valve assembly have been observed from the overboard drain system. These leaks could be due to assembly issues associated with the valve assembly.

Table A identifies suspect fuel pumps by part number and serial number that shipped on Lycoming engine models. Table B identifies suspect fuel pumps by part number and serial number that shipped as spare parts.

Required Action for Fuel Pumps Shipped with Engines

1. Look for fuel leakage along the outlet of the overboard drain system.
2. Look at your engines. Review engine serial numbers and fuel pump serial numbers against Table A and Table B (in the event a spare fuel pump in Table B was installed on the engine). If you find an engine serial number and/or fuel pump serial number identified in Tables A or B on one of your engines, obey the warranty terms in this Service Bulletin.
3. Review fuel pump serial numbers in your spare parts inventory against Table B. If you find a fuel pump serial number identified in Table B, obey the warranty terms in this Service Bulletin.
4. Install the replacement pump. Complete an engine run-up and make sure the aircraft is acceptable for return to service.
5. Record replacement of the fuel pump P/N and its serial number (and engine serial number if applicable) in the engine logbook.



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Warranty Action

NOTE

Warranty terms only apply to Lycoming Engines supplied fuel pump serial numbers in Tables A and B.

1. Contact an Authorized Lycoming Distributor to order a replacement fuel pump.
2. Upon receipt, install the replacement fuel pump and record the new fuel pump and its serial number in the engine logbook.
3. For warranty consideration, return the Service Bulletin affected fuel pump to Lycoming through the same Authorized Lycoming Distributor that ordered the replacement fuel pump and file a warranty claim for:
 - a.) Reimbursement of the replacement fuel pump
 - b.) Associated freight
 - c.) Removal and reinstallation labor in accordance with the latest revision of Lycoming's SSP-875 Removal and Installation Labor Allowance Guidebook
4. Warranty consideration is available for one (1) year from the issuance of this Service Bulletin.

Table A
Lycoming Engine Model Numbers,
Lycoming Fuel Pump Part Numbers,
Hartzell Fuel Pump Serial Numbers,
and Lycoming Engine Serial Numbers

Lycoming Engine Model Numbers	Lycoming Fuel Pump Part Numbers	Hartzell Fuel Pump Serial Numbers	Lycoming Engine Serial Numbers
IO-540-R1A5	62D26030	H-QEN001FP	RL-26234-48E
IO-720-A1B		H-QGN026FP	RL-1046-54A
IO-540-K1A5	62D26032	H-QAN003FP	L-27051-48E
IO-540-K1A5		H-QAN038FP	L-27489-48E
IO-540-K1A5		H-PDN018FP	L-27879-48E
IO-540-K1A5		H-PDN005FP	L-27894-48E
IO-540-K1A5		H-QIN024FP	L-28501-48E
IO-540-K1A5		H-QIN033FP	L-28567-48E
IO-540-K1A5		H-PCN083FP	L-35039-48E
IO-540-K1A5		H-PCN048FP	L-35041-48E
IO-540-K1A5		H-PCN158FP	L-35117-48E
IO-540-K1A5		H-PIN040FP	L-35468-48E
IO-540-K1A5		H-PLN038FP	L-35487-48E
IO-540-K1A5		H-PIN039FP	L-35493-48E
IO-540-K1A5		H-QGN048FP	L-35743-48E
IO-540-K1A5		H-QAN039FP	L-35745-48E
IO-540-K1A5		H-QIN042FP	L-35780-48E
IO-540-K1A5		H-QIN043FP	L-35781-48E

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Hartzell Fuel Pump Serial Numbers,
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Lycoming Engine Model Numbers	Lycoming Fuel Pump Part Numbers	Hartzell Fuel Pump Serial Numbers	Lycoming Engine Serial Numbers
IO-540-K1A5	62D26032	H-PEN134FP	L-9821-48E
IO-540-K1A5		H-PEN136FP	RL-12475-48E
IO-540-K1A5		H-PHN107FP	RL-21261-48E
IO-540-K1A5		H-PHN105FP	RL-24733-48E
IO-540-K1A5		H-PLN040FP	RL-25572-48E
IO-540-K1A5		H-QAN002FP	RL-26192-48E
IO-540-K1A5		H-QAN037FP	RL-26573-48E
IO-540-K1A5		H-PCN049FP	RL-26887-48E
IO-540-K1A5		H-PCN082FP	RL-27026-48E
IO-540-K1A5		H-PCN160FP	RL-27068-48E
IO-540-K1A5		H-PCN159FP	RL-27216-48E
IO-540-K1A5		H-PDN019FP	RL-27615-48E
IO-540-K1A5		H-QGN029FP	RL-27789-48E
IO-540-K1A5		H-QHN023FP	RL-28121-48E
IO-540-K1A5		H-PIN038FP	RL-28313-48E
IO-540-K1A5		H-PEN137FP	RL-31876-48E
IO-540-K1A5		H-PHN106FP	RL-7368-48E
IO-540-K1A5		H-PEN133FP	RL-7574-48E
IO-540-K1B5		H-PLN037FP	L-19574-48E
IO-540-K1B5		H-PLN039FP	L-21851-48E
IO-540-K1B5		H-PEN135FP	L-35304-48E
IO-540-K1B5		H-PIN042FP	L-35428-48E
IO-540-K1B5		H-PIN041FP	RL-15967-48E
IO-540-K1B5		H-PHN108FP	RL-20885-48E
IO-540-K1B5		H-QAN001FP	RL-26549-48E
IO-540-K1B5		H-QAN036FP	RL-27937-48E
IO-540-K1B5		H-QIN025FP	RL-28202-48E
IO-540-K1B5		H-PDN003FP	RL-28634-48E
IO-540-K1B5		H-PDN002FP	RL-28651-48E
IO-540-K1B5		H-PEN067FP	RL-31238-48E

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Lycoming Engine Model Numbers,
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and Lycoming Engine Serial Numbers

Lycoming Engine Model Numbers	Lycoming Fuel Pump Part Numbers	Hartzell Fuel Pump Serial Numbers	Lycoming Engine Serial Numbers	
IO-540-K1B5	62D26032	H-PEN072FP	RL-31272-48E	
IO-540-K1B5		H-QIN026FP	RL-5342-48E	
IO-540-K1B5		H-PJN014FP	RL-6791-48E	
IO-540-K1K5		H-PEN071FP	L-35232-48E	
IO-540-K1K5		H-PDN001FP	L-35233-48E	
IO-540-K1K5		H-PEN140FP	L-35236-48E	
IO-540-K1K5		H-PEN139FP	L-35237-48E	
IO-540-K1K5		H-PEN070FP	L-35238-48E	
IO-540-K1K5		H-PEN066FP	L-35239-48E	
IO-540-K1K5		H-QAN004FP	L-35660-48E	
IO-540-K1K5		H-QFN034FP	L-35677-48E	
IO-540-K1K5		H-QDN073FP	L-35678-48E	
IO-540-K1K5		H-QDN074FP	L-35679-48E	
IO-540-K1K5		H-QFN035FP	L-35681-48E	
IO-540-K1K5		H-QGN049FP	L-35713-48E	
IO-540-K1K5		H-QFN036FP	L-35714-48E	
IO-540-K1K5		H-QGN034FP	L-35715-48E	
IO-540-K1K5		H-QGN028FP	L-35716-48E	
IO-540-K1K5		H-QGN033FP	L-35717-48E	
IO-540-X241			H-PEN069FP	L-1690-X
IO-540-K1B5		62D26034	H-QFN010FP	L-27107-48E
IO-540-K1B5	H-QFN020FP		L-27108-48E	
IO-540-K1B5	H-QEN004FP		L-27121-48E	
IO-540-K1B5	H-QFN018FP		RL-27129-48E	
IO-540-K1B5	H-QEN005FP		RL-27131-48E	
IO-540-K1B5	H-QEN003FP		RL-27148-48E	
TIO-540-C1A	H-QGN043FP		RL-1085-61A	
TIO-540-C1A	H-QEN006FP		RL-7800-61A	
HIO-360-E1AD	62D26035	H-PHN016FP	RL-31378-51A	
HIO-360-E1BD		H-PDN081FP	L-29045-51A	
HIO-360-F1AD		H-PCN119FP	L-16331-51A	

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HIO-360-F1AD	62D26035	H-PLN043FP	L-34964-51E
HIO-360-F1AD		H-PCN050FP	L-35709-51A
HIO-360-F1AD		H-PEN141FP	L-35818-51A
HIO-360-F1AD		H-PHN110FP	L-35925-51A
HIO-360-F1AD		H-PHN111FP	L-36009-51A
HIO-360-F1AD		H-PHN113FP	L-36018-51A
HIO-360-F1AD		H-PLN042FP	L-36071-51A
HIO-360-F1AD		H-PLN041FP	L-36085-51A
HIO-360-F1AD		H-QEN008FP	L-36113-51A
HIO-360-F1AD		H-QEN121FP	L-36224-51A
HIO-360-F1AD		H-QEN007FP	RL-9268-51A
IO-540-K1A5D		H-PHN112FP	L-35347-48E
IO-540-K1A5D		H-PHN109FP	L-35355-48E
TIO-360-C1A6D		H-QEN009FP	L-256-64A
TIO-360-C1A6D		H-QEN010FP	L-257-64A
TIO-360-C1A6D		H-PJN017FP	RL-172-64A
TIO-360-C1A6D		H-PLN044FP	RL-173-64A
TIO-360-C1A6D		H-PFN159FP	RL-203-64A
TIO-360-C1A6D		H-PEN142FP	RL-204-64A
TIO-360-C1A6D		H-PFN158FP	RL-231-64A
TIO-540-AB1AD	62D26036	H-PJN018FP	L-10915-61A
TIO-540-AB1AD		H-PKN046FP	RL-10409-61A
TIO-540-AB1AD		H-PJN003FP	RL-10733-61A
TIO-540-AB1AD		H-QAN014FP	RL-6235-61A
TIO-540-AB1AD		H-QAN015FP	RL-9958-61A
TIO-540-EXP		H-PCN120FP	EL-13818-61A
TIO-540-AF1B	62D26037	H-QAN044FP	RL-10022-61A
TIO-540-AF1B		H-PJN024FP	RL-10862-61A
TIO-540-AF1B		H-PIN007FP	RL-11018-61A
TIO-540-AF1B		H-QDN005FP	RL-11969-61A
TIO-540-AF1B		H-PJN022FP	RL-3873-61A

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and Lycoming Engine Serial Numbers

Lycoming Engine Model Numbers	Lycoming Fuel Pump Part Numbers	Hartzell Fuel Pump Serial Numbers	Lycoming Engine Serial Numbers
TIO-540-AF1B	62D26037	H-PEN065FP	RL-9554-61A
TIO-540-AF1B		H-QEN116FP	RL-9558-61A
TIO-540-AG1A		H-PLN045FP	L-10826-61A
TIO-540-AK1A		H-PCN046FP	L-13788-61A
TIO-540-AK1A		H-PCN047FP	L-13794-61A
TIO-540-AK1A		H-PCN068FP	L-13797-61A
TIO-540-AK1A		H-PCN064FP	L-13798-61A
TIO-540-AK1A		H-PCN067FP	L-13803-61A
TIO-540-AK1A		H-PCN085FP	L-13807-61A
TIO-540-AK1A		H-PCN078FP	L-13810-61A
TIO-540-AK1A		H-PCN066FP	L-13815-61A
TIO-540-AK1A		H-PCN145FP	L-13821-61A
TIO-540-AK1A		H-PCN080FP	L-13825-61A
TIO-540-AK1A		H-PCN146FP	L-13826-61A
TIO-540-AK1A		H-PCN079FP	L-13827-61A
TIO-540-AK1A		H-PDN017FP	L-13848-61A
TIO-540-AK1A		H-PDN083FP	L-13849-61A
TIO-540-AK1A		H-PDN085FP	L-13854-61A
TIO-540-AK1A		H-PDN086FP	L-13865-61A
TIO-540-AK1A		H-PDN016FP	L-13868-61A
TIO-540-AK1A		H-PDN084FP	L-13869-61A
TIO-540-AK1A		H-PFN156FP	L-13874-61A
TIO-540-AK1A		H-PDN082FP	L-13876-61A
TIO-540-AK1A		H-PDN065FP	L-13877-61A
TIO-540-AK1A		H-PDN064FP	L-13878-61A
TIO-540-AK1A		H-PEN062FP	L-13887-61A
TIO-540-AK1A		H-PDN068FP	L-13889-61A
TIO-540-AK1A		H-PFN155FP	L-13890-61A
TIO-540-AK1A		H-PEN064FP	L-13891-61A
TIO-540-AK1A		H-PDN067FP	L-13892-61A
TIO-540-AK1A	H-QAN043FP	RL-10974-61A	

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Hartzell Fuel Pump Serial Numbers,
and Lycoming Engine Serial Numbers

Lycoming Engine Model Numbers	Lycoming Fuel Pump Part Numbers	Hartzell Fuel Pump Serial Numbers	Lycoming Engine Serial Numbers
TIO-540-AK1A	62D26037	H-PIN012FP	RL-10981-61A
TIO-540-AK1A		H-PIN008FP	RL-11103-61A
TIO-540-AK1A		H-PIN011FP	RL-11574-61A
TIO-540-AK1A		H-PJN020FP	RL-11611-61A
TIO-540-AK1A		H-PIN009FP	RL-12976-61A
TIO-540-AK1A		H-PJN021FP	RL-5193-61A
TIO-540-AK1A		H-PJN019FP	RL-6161-61A
TIO-540-AK1A		H-PCN065FP	RL-6666-61A
TIO-540-AK1A		H-PCN147FP	RL-6744-61A
TIO-540-AK1A		H-PIN010FP	RL-7527-61A
TIO-540-AK1A		H-QAN045FP	RL-7829-61A
TIO-540-AK1A		H-QAN048FP	RL-8593-61A
TIO-540-AK1A		H-QAN046FP	RL-8982-61A

Table B
Lycoming Fuel Pump Part Numbers and
Hartzell Fuel Pump Serial Numbers
Shipped as Spares

Lycoming Fuel Pump Part Numbers	Hartzell Fuel Pump Serial Numbers Shipped as Spares
62D26032	H-PCN157FP
	H-PIN037FP
	H-QAN005FP
	H-QAN034FP
	H-QGN027FP
	H-QGN031FP
	H-QGN032FP
	H-QGN050FP
	H-QGN051FP
	H-QHN024FP
	H-QIN002FP

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Hartzell Fuel Pump Serial Numbers
Shipped as Spares**

Lycoming Fuel Pump Part Numbers	Hartzell Fuel Pump Serial Numbers Shipped as Spares
62D26032	H-QIN003FP
62D26034	H-PJN016FP
62D26035	H-QIN036FP
62D26037	H-PCN025FP
	H-PCN026FP
	H-PCN027FP
	H-PCN029FP
	H-PCN030FP
	H-PCN031FP
	H-PCN032FP
	H-PCN033FP
	H-PCN034FP
	H-PCN035FP
	H-PCN036FP
	H-PCN037FP
	H-PCN038FP
	H-PCN143FP
	H-PCN161FP
	H-PCN162FP
	H-PCN163FP
	H-PCN164FP
	H-PCN165FP
	H-PDN066FP
	H-PEN060FP
	H-PEN061FP
	H-PEN063FP
	H-PEN150FP
	H-PEN151FP
	H-PEN153FP
	H-PIN006FP
	H-QAN047FP
H-QDN003FP	
H-QDN004FP	

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Hartzell Fuel Pump Serial Numbers
Shipped as Spares

Lycoming Fuel Pump Part Numbers	Hartzell Fuel Pump Serial Numbers Shipped as Spares
62D26037-85	H-PDN024FP
	H-PDN025FP
	H-PDN026FP
	H-PDN027FP
	H-PDN028FP
	H-PDN029FP
	H-PDN031FP
	H-PDN032FP
	H-PDN033FP
	H-PDN034FP
	H-PDN035FP
	H-PDN036FP
	H-PDN037FP
	H-PDN038FP

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