

SERVICE INFORMATION LETTER

Subject PT6A Borescope Equipment

Applicability All PT6A

1. General

This Service Information Letter (SIL) is issued to advise all affected operators that Pratt and Whitney Canada Corp. ("P&WC") has added new borescope kits and videoscope kits to the list of PT6A borescope kits provided by various suppliers in connection with the periodic inspection requirements. These new kits provide operators and maintainers with additional options but as P&WC did not evaluate the durability of these kits nor the quality of the services provided by the various suppliers, P&WC does not provide any representation or warranty related to these kits.

2. Borescope kit

2.1 NEW BORESCOPE KIT PWC34910-106 (Spec PWC90236)

The new borescope kit is available from various suppliers (refer to section 2.1.2) at this time. This new borescope kit provides the same minimum resolution as the other P&WC borescope kits referred to in our P&WC Engine Maintenance Manual ("EMM") (see section 2.2) and meets the requirements to perform an HSI borescope inspection as described in the applicable EMM and P&WC SIL PT6A-116.

2.1.1 The borescope kit has to include the following items:

-Miniature light source -Battery handle light source -Battery -Camera adapter -Eyecup -Headcap	
-Light guide cable and sleeve	9
-Spare lamp	
-Spare fuse (if required)	
-Instrument manual	
-Carrying case	
-Flexible fiberscope:	
Outside diameter	4.3 mm max
Working length	1000 mm min
Light guide length	1500 mm min
Fiberscope finish	impregnated stainless steel mesh or tungsten braid
Direction of view	direct

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PWC: GEN- PT6-029

Field of view	50-65 degrees
Depth of field	5 - infinity
Articulation	100 min degrees up/down

2.1.2 Suppliers of New Borescope Kits

Machida:	FBA-4B-100P	(P&WC P/N PWC34910-106)
Borescopes R Us:	CH 2-4-1000	(P&WC P/N PWC34910-108)

2.2 EXISTING BORESCOPE KITS PWC34910-101 (Spec PWC37711)

P&WC EMM also refers to the borescope kit P/N PWC34910-101 which can be procured from the suppliers mentioned in section 4.

2.2.1 The kit consists of the following items:

-Flexible fiberscope: Outside diameter Working length Light guide length Fiberscope finish Direction of view Field of view Depth of field Articulation	-Light source -Camera adapter -Eyecup -Headcap -Light guide and sleeve (if re -Spare lamp -Spare fuse (if required) -Instrument manual -Carrying case -Side view adapter: 90 de				
Working length1200 mm minLight guide length1500 mm minFiberscope finishblack polyurethaneDirection of viewforwardField of view50-60 degreesDepth of field5-50 mm	-Flexible fiberscope:				
Light guide length 1500 mm min Fiberscope finish black polyurethane Direction of view forward Field of view 50-60 degrees Depth of field 5-50 mm					
Fiberscope finish black polyurethane Direction of view forward Field of view 50-60 degrees Depth of field 5-50 mm	5 5	1200 mm min			
Direction of view forward Field of view 50-60 degrees Depth of field 5-50 mm	0 0 0	1500 mm min			
Field of view50-60 degreesDepth of field5-50 mm	•	black polyurethane			
Depth of field 5-50 mm	Direction of view	forward			
	Field of view	50-60 degrees			
Articulation 120 degrees up/down	Depth of field	5-50 mm			
5	Articulation	120 degrees up/down			

2.2.2 Supplier of existing Borescope Kits

Everest VIT:	F5X15
Machida:	FBA-4-120T
Olympus:	IF5D4X1-14

3. Videoscope kit

3.1 VIDEOSCOPE KIT PWC34910-107 (Spec PWC90241)

The new videoscope kit is available from various suppliers. (refer to section 3.1.2). This videoscope kit meets the requirements to perform an HSI borescope inspection as described in the applicable EMM and P&WC SIL PT6A-116.

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3.1.1 The videoscope kit has to include the following items:

- Monitor 3.5 inch min. - Battery and AC power supply - Instrument manual -Carrying case -Flexible videoscope: Outside diameter 4.5 mm max Working length 1300 mm min Fiberscope finish tungsten braid Direction of view forward Field of view 95 to 120 degrees Depth of field 4 – 190 mm 120 degrees min up/down/right/left Articulation
- 3.1.2 Suppliers of Videoscope kits

Olympus:	IPLEX LT IV8420L2	(P&WC P/N PWC34910-107)
Machida:	VSC-3-140-NP	(P&WC P/N PWC34910-107)
Borescopes R Us:	PVRS 2-4-1300	(P&WC P/N PWC34910-109)

4. Suppliers

Borescopes R Us

2686 Davidson Graveyard Rd Clarksville, TN 37043 Tel: 931-362-4009 Web: www.borescopesrus.com

GE Inspection Technologies, LP (Everest VIT)

721 Visions Drive Skaneateles, NY 13152 Tel: 1-888-332-3848 Fax: 1-866-899-4184 Web: www.GEInspectionTechnologies.com

Kell-Strom Tool Company inc.

214 Church street Wethersfield, Connecticut, USA 06109 Tel No: 860-529-6851 Fax No: 860-257-9694 Tool Free No: 1-800-851-6851 www.kell-strom.com Cage number: 75245

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Machida Borescopes

40 Ramland South Orangeburg, NY 10962 Tel: 845-365-0600 Fax: 845-365-0620 Web: www.machidascope.com

Olympus America Inc.

Industrial Fiberoptics Division 2 Corporate Center Drive Melville, NY 11747-3157 Tel: 516-844-5583 Fax: 516-844-5620 Web: www.olympus-ims.com

Pratt & Whitney, Tool Support Services

411 Silver Lane - M/S 129-20 East Hartford, Connecticut USA 06108 Tel No: 860-610-2665 Fax No: 860-610-2670 Toll Free No: 1-800-792-8665 www.pratt-whitney.com Cage number: 77445

Rasakti Inc.

148 Sylvestre St-Germain, Québec Canada, J0C 1K0 Tel No: 819-395-1111 Fax No: 819-395-1100 Toll Free No: 1-888-727-2584 (Rasakti) www.rasakti.com Cage number: 3AD21

PRATT & WHITNEY CANADA CORP.

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Giovanni Mulas Manager, PT6A Customer Management

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