



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
- 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

PRATT & WHITNEY CANADA
SERVICE INFORMATION LETTER

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:

- Light source
- Camera adapter
- Eyecup
- Headcap
- Light guide and sleeve (if required)
- Spare lamp
- Spare fuse (if required)
- Instrument manual
- Carrying case
- Side view adapter: 90 degrees
- Flexible fiberscope:

Outside diameter	5.3 mm max
Working length	1200 mm min
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
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.

PRATT & WHITNEY CANADA
SERVICE INFORMATION LETTER

PWC: GEN- PT6-029

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
 - Articulation 120 degrees min up/down/right/left

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

PRATT & WHITNEY CANADA
SERVICE INFORMATION LETTER

PWC: GEN- PT6-029

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.



Giovanni Mulas
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