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INSTRUCTIONS FOR CONTINUED AIRWORTHINESS
206/407RDP-100 REMOVABLE DUAL PEDAL INSTALLATION

BELL 206A/B, 206L SERIES AND 407 HELICOPTERS

Cover
PR-206/407RDP-120M
Revision 1, 12/12/05

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RECORD OF REVISIONS

REVISION NO.	ISSUE DATE	DATE INSERTED	BY
ORIGINAL	04/25/01		
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REVISION CONTROL PROCEDURE

Revisions to this document are mailed to owner of record. Before inserting a change, ensure this manual is correct. Check the existing List of Effective Pages in this manual to ensure that all prior revisions are inserted. **Do not insert this revision if prior revisions are not inserted.**

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LIST OF EFFECTIVE PAGES

PAGE NO.	REVISION	DATE
COVER	1	12/12/05
COVER (BLANK)	1	12/12/05
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These Instructions for Continued Airworthiness (ICA) except for the Airworthiness Limitations Section, have been reviewed and found to comply with the applicable requirements of Appendix A to the Federal Aviation Regulations Part 27.

FAA Acceptance Manuel Perez Date 04/12/01.

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AIRWORTHINESS LIMITATIONS

The Airworthiness Limitations Section is FAA approved and specifies inspections and other maintenance required under §§ 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.

No airworthiness limitation associated with this type design change.

This system has no life-limited components.

REVISION	DATE	APPROVED
Original	04/25/01	Melissa Sandow
1	01/03/06	David Grossman

1.0 SYSTEM DESCRIPTION

The Removable Dual Pedal is a foot pedal that replaces the existing foot pedals in the Bell models 206A/B, 206L Series and 407 helicopters. The Removable Dual Pedal, however, allows the removal of the upper portion of the foot pedal when it is not in use. The lower portion of the Removable Dual Pedal remains in place attached to the Pedal linkages. The two halves of the Removable Dual Pedal utilize a male/female dovetail feature and a #10-32 Thumbwheel attachment to allow the upper portion to be removed. The Removable Dual Pedal uses most of the existing Bell hardware to attach to the Pedal linkages. The general physical shape of the Removable Dual Pedal is to mimic the standard Bell Foot Pedal. This allows the position of the foot pad surface on the Removable Dual Pedal to be identical to the Bell foot pad surface position.

2.0 INSPECTION AND MAINTENANCE

It is the objective of this inspection and maintenance procedure to ensure that component installations are secure and that the installation is airworthy. Table I, TROUBLESHOOTING PROCEDURES, refers to the most likely problems which may be encountered, and outlines appropriate corrective actions. All loose and/or replaced fasteners should be torqued per standardized torque values as shown in AC43.13-1 as revised.

- 2.1 Refer to Figure 1, Items 1-4. Examine each Pedal Assembly and Link Assembly for dents, cracks, corrosion, or other damage. Any of these are cause for component replacement. Examine bearings for wear.
- 2.2 Report structural discrepancies to Paravion Technology, Inc. Replacement parts are available.

3.0 COMPONENT REMOVAL AND REPLACEMENT

3.1 Pedal Assembly Removal

- 3.1.1 Rotate the restraint until the Ball Nose Spring Plunger is disengaged from the Thumbwheel.
- 3.1.2 Unscrew the Thumbwheel.
- 3.1.3 Slide Pedal Assembly in the aft direction until free from the Link Assembly.

3.2 Link Assembly Removal

- 3.2.1 Remove fasteners from the Pedal Support and the attached Linkage.
- 3.2.2 Remove Link Assembly

3.3 Link Assembly Installation

- 3.3.1 Place Link Assembly in position.
- 3.3.2 Install Fasteners and Torque per AC43.13-1 as revised.

3.4 Pedal Assembly Installation

- 3.4.1 Slide Pedal Assembly into the Link Assembly.
- 3.4.2 Screw in the Thumbwheel.
- 3.4.3 Rotate the Restraint until the Ball Nose Spring Plunger extends into the recess in the Thumbwheel.

TABLE I

TROUBLESHOOTING PROCEDURE		
PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
PEDALS BINDING OR ROUGH OPERATION	BEARING FAILURE	REPLACE DEFECTIVE PARTS
	EXCESSIVE TORQUE OF FASTENERS	RETORQUE OR REPLACE DEFECTIVE PARTS
PEDALS EXHIBIT EXCESSIVE LOOSENESS	BEARING WEAR	REPLACE DEFECTIVE PARTS
	FASTENER WEAR	REPLACE DEFECTIVE PARTS

TABLE II

WEIGHT AND BALANCE DATA; 206/407RDP-100 INSTALLATION					
ITEM	WEIGHT (lb)	LONGITUDINAL		LATERAL	
		F.S. (in.)	MOMENT (in.-lb.)	B.L. (in.)	MOMENT (in.-lb.)
206/407RDP-100-1 Full Pedals	1.56	34	53.0	-11.3	-17.6
206/407RDP-100-1 Link Only	0.55	34	18.7	-11.3	-6.2
206/407RDP-100-1 Link Only & 206RDP-2400 Cover	2.58	34	87.7	-11.3	-29.2
206/407RDP-100-2 Full Pedals	1.52	34	51.7	-11.3	-17.2
206/407RDP-100-2 Link Only	0.55	34	18.7	-11.3	-29.2
206/407RDP-100-2 Link Only & 206RDP-2400 Cover	2.58	34	87.7	-11.3	-29.2
Bell 206 Pedals (2)	1.34	34	45.56	-11.3	-15.1

FIGURE 1

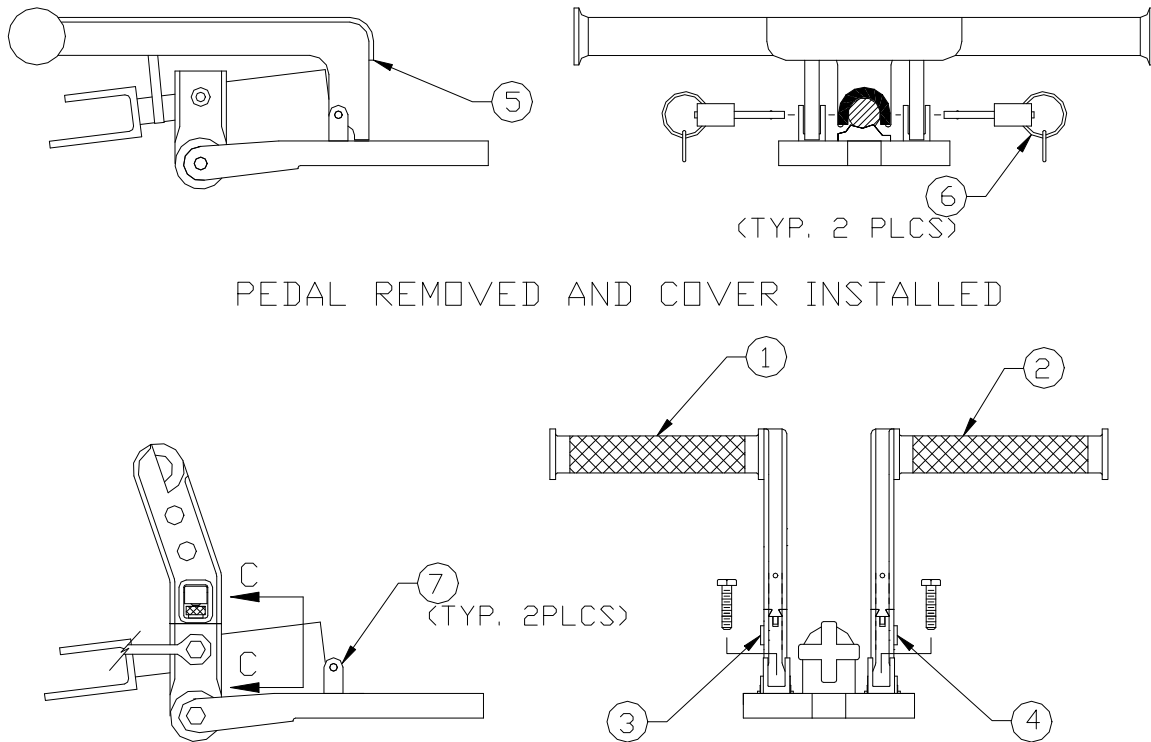


Figure 1: Removable Dual Pedals Installation: 206/407

ITEM NO	PN	DESCRIPTION	QTY	TYP
1	206RDP-2000-1	PEDAL ASSEMBLY	1	EA
1	407RDP-2000-1	PEDAL ASSEMBLY	1	EA
2	206RDP-2000-2	PEDAL ASSEMBLY	1	EA
2	407RDP-2000-2	PEDAL ASSEMBLY	1	EA
3	206RDP-2100-1	LINK ASSEMBLY	1	EA
4	206RDP-2100-2	LINK ASSEMBLY	1	EA
5	206RDP-2400-1	FOOT SUPPORT	1	EA
6	NAS1333C6C07D	QUICK RELEASE PIN	2	EA
7	R22CM-290-2	STRUT SUPPORT	2	EA

APPENDIX A

STANDARD TORQUE VALUE CHART

These charts removed

Torque all loose and/or replaced fasteners and fittings per standardized torque values as shown in AC43.13-1 as revised

APPENDIX B

ANNUAL/300HR INSPECTION CHECKLIST

Annual/300 Hour Inspection Checklist

INSPECTION	COMMENTS	INITIALS
1. Inspect Pedal and Link Assemblies for dents, cracks, corrosion or other damage. No cracks allowed.		
2. Inspect Link Assembly for bearing wear and smooth pedal operation.		
3. Check Torque on Fasteners.		