



1585 Aviation Center Parkway  
Hangar 804  
Daytona Beach, FL 32114

**MANDATORY**  
**SERVICE BULLETIN**  
**MSB-2009-001**

**DATE:** August 31, 2009

**SUBJECT:** Revised Support Clamps

**MODELS AFFECTED:** All Cessna 177RG aircraft with PFS-13706 exhaust systems installed (See Table 1 for Aircraft Applicability).

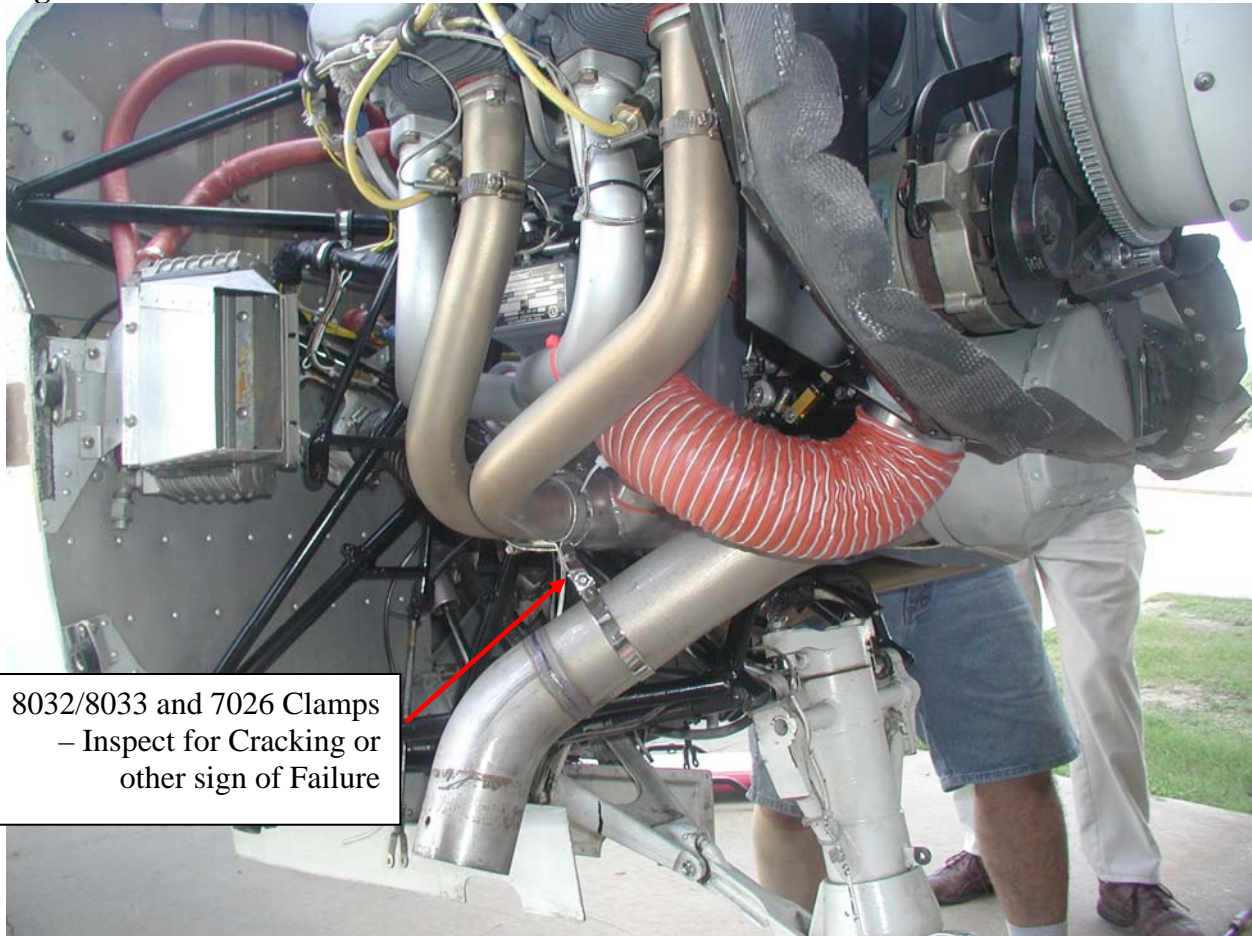
**TIME OF COMPLIANCE:** Unless already accomplished, at next Annual or 100 hr inspection (whichever comes first), or sooner if practical, but no later than 10/30/2010. Immediately if currently installed clamps are damaged.

**DESCRIPTION:** In the short time since the introduction of this exhaust system, there have been several failures of the P/N 8032 and 7026 clamps that attach the intermediate tube to the number one header pipe. While this is not the only means of securing the intermediate tube to the rest of the exhaust system, the clamp does help ensure proper tailpipe angle. The original clamps were 0.63" wide.

We have developed two wider (1.00" wide) replacement clamps (P/N 8033 and 7026 Rev A) and will be providing them free of charge to all affected customers. Please inspect both clamps before your next flight, looking for cracking or detachment. If either clamp is cracked or has otherwise failed, replace both with the new clamps before further flight. If the clamps are not cracked or otherwise damaged, you may continue to use them until the next scheduled maintenance (oil change, annual, etc.). If you elect to continue to use the clamps, note how much tailpipe movement is present. If a future preflight inspection yields more tailpipe movement, the clamps should again be inspected.

**CORRECTIVE ACTION:** Install the clamps included with this Service Bulletin.

**Figure 1**



**APPLICABILITY TABLE:**

<b>Aircraft Registration Number</b>	<b>Exhaust S/N</b>	<b>8033 Required</b>	<b>7026 Required</b>
N1829Q	001	X	X
N53120	002	X	X
C-GGBO	003	X	X
N177KP	004		X
N53036	005	X	X
N2706V	006	X	X
N7555V	007		X
N2760V	008	X	X
N52073	009	X	X
N52637	011	X	X
N177JA	012	X	X
N8054G	013		X
N232CB	014	X	X
N1991Q	015	X	X
N727LB	016	X	X
N52061	018		X
N33274	020	X	X
N1521H	021	X	X
N52044	022	X	X
N52878	023	X	X
VH-RYY	024	X	X
N628RG	025	X	X
VH-JVK	026	X	X
N53194	027	X	X
N52076	029		X
N33299	030		X
N52823	031		X
N52619	032		X

Table 1 Applicability

**SERVICE KITS:**

Replacement parts are being shipped with this service instruction. Each aircraft will receive the clamps and hardware needed for their specific installation.



**INSTALLATION:**

Remove the existing clamps by removing the hardware that joins them. Install the new clamp in the same manner as the original, discarding the old clamp. Please keep in mind that if you did not receive two clamps, you will need to reuse the 8033 clamp (the larger of the two). It may be necessary to pull forward on the bottom of the intermediate tube while tightening the clamps to ensure sufficient clearance to the engine mount. See the included installation instructions for additional details. Make a logbook entry stating that you have complied with this service bulletin.

**RELATED DOCUMENTS:**

Installation Instructions and Instructions for Continued Airworthiness, Report # PFS-13752-00 Rev C or later.

**PRICING INFORMATION:**

One Service kit will be provided to each affected customer free of charge. Installation labor is not covered.

**ALTERNATE MEANS**

**OF COMPLIANCE:**

There are currently no alternate means of compliance for this Service Bulletin.

**CONTACT INFORMATION:**

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