



U.S. Department
of Transportation

Small Airplane Directorate
Atlanta Manufacturing Inspection
District Office
One Crown Center, Suite 475
1895 Phoenix Blvd
Atlanta, Georgia 30349

Federal Aviation
Administration

June 3, 2002
Revised: February 23, 2004

PMA No. PQ1682CE


ADpma, LLC
P.O. Box 190
401 Century Court
Piney Flats, TN 37686

FEDERAL AVIATION ADMINISTRATION-PARTS MANUFACTURER APPROVAL

In accordance with the provisions of 14 CFR part 21, Subpart K, we have found that the design data, based on Test and Computations submitted by ADpma, LLC with revised letter dated February 12, 2004, meet the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, it has been determined that ADpma, LLC, has established the fabrication inspection system required by part 21 § 21.303(h) at P.O. Box 190, 401 Century Court, Piney Flats, TN. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 4R,

You are reminded that the provisions of the Federal Aviation Regulations, noted in our PMA letter of approval dated January 8, 2002, also apply to the enclosed PMA Listing-Supplement No. 4R.

Sincerely,


For: Jim Reeves
Manager, Atlanta Manufacturing
Inspection District Office

Enclosure

FEDERAL AVIATION ADMINISTRATION-PARTS MANUFACTURER APPROVAL

ADpma, LLC
P.O. Box 190
401 Century Court
Piney Flats, TN 37686

PMA NO. PQ1682CE
SUPPLEMENT NO. 4R
DATE: JUNE 3, 2002
REVISED: FEBRUARY 23, 2004

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Re-placement for Part Number</u>	<u>Approval Basis And Approved Design Data</u>	<u>Make Eligibility</u>	<u>Model Eligibility</u>
Gearshaft, Idler	PMA49004-1	Allied-Signal P/N 3860400-1	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49004, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Gearshaft, Starter	PMA49005-1	Allied-Signal P/N 3860401-1	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49005, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Gearshaft, Idler, Generator	PMA49006-1	Allied-Signal P/N 3860404-1	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49006, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Gear, Lube Pump	PMA49007-1	Allied-Signal P/N 3860405-1	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49007, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Plug, Generator Gear	PMA49008-1	Allied-Signal P/N 3860406-1	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49008, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.

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Nut	PMA49009-1	Allied-Signal P/N 3860675-1	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49009, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Gear, Input	PMA49010-1	Allied-Signal P/N 3860396-1	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49010, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Seal, Labyrinth	PMA49012-103	Allied-Signal P/N 3614521-3	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49012, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Ring-Pilot, Outer	PMA49013-1	Allied-Signal P/N 3842347-1	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49013, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Ring, Pilot, Inner	PMA49014-1	Allied-Signal P/N 3842348-1	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49014, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Bushing Nonmetallic	PMA49015-1	Allied-Signal P/N 3826790-1	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49015, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.

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Bushing Nonmetallic	PMA49016-2	Allied-Signal P/N 3826791-2	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49016, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Bushing	PMA49017-1	Allied-Signal P/N 3826797-1	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49017, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Nut	PMA49018-3	Allied-Signal P/N 3822037-3	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49018, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Retainer, Ring Gear	PMA49023-3	Allied-Signal P/N 3860094-3	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49023, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Gear, Internal	PMA49024-2	Allied-Signal P/N 3860331-2	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49024, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Bushing	PMA49026-1	Allied-Signal P/N 3862008-1	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49026, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.

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Shaft, Splined	PMA49027-1	Allied-Signal P/N 3881133-1	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49027, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Seat, Spring	PMA49028-2	Allied-Signal P/N 3606985-2	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49028, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Bearing, Sleeve	PMA49029-101	Allied-Signal P/N 3882955-1	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49029, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Bearing, Sleeve	PMA49029-102	Allied-Signal P/N 3882955-2	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49029, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Seal, Inlet Plenum	PMA49032-3	Allied-Signal P/N 3810143-3	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49032, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Seal, Inlet Plenum	PMA49032-4	Allied-Signal P/N 3810143-4	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49032, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.

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Rotor, Seal	PMA49035-2	Allied-Signal P/N 3827086-2	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49035, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Lever	PMA49036-1	Allied-Signal P/N 3827447-1	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49036, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Ring, Unison	PMA49038-1	Allied-Signal P/N 3826792-1	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49038, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Seat, Spring	PMA49044-2	Allied-Signal P/N 3601505-2	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49044, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Retainer, Valve	PMA49046-2	Allied-Signal P/N 3601510-2	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49046, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Gearshaft, Spur	PMA49047-3	Allied-Signal P/N 3606382-3	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49047, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.

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Gearshaft, Spur	PMA49047-4	Allied-Signal P/N 3606382-4	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49047, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Retainer, Spring	PMA49049-1	Allied-Signal P/N 3606984-1	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49049, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Bearing, Plain, Block	PMA49051-1	Allied-Signal P/N 3883538-1	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49051, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Bearing, Plain, Block	PMA49051-2	Allied-Signal P/N 3883538-2	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49051, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.
Bearing, Plain, Block	PMA49052-1	Allied-Signal P/N 3883549-1	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No.</u> PMA49052, <u>Rev.</u> N/A, <u>Dated:</u> 04/03/02 or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Re-placement for Part Number</u>	<u>Approval Basis And Approved Design Data</u>	<u>Make Eligibility</u>	<u>Model Eligibility</u>
Vane Set, Matched	PMA49058-103	Allied-Signal P/N 3826825-3	Test and Computations per 14 CFR § 21.303(c)4 <u>DWG. No. PMA49058,</u> <u>Rev. N/A,</u> <u>Dated: 04/03/02</u> or later FAA approved revisions	Bombardier	CL-600-2B19 When Allied Signal (Garrett) GTCP-36-150 RJ APU is installed.

-END OF LISTING-

NOTE: Minor design changes (reference 14 CFR Part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR Part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.

Angelia D. Tuggle
 To: Jim Reeves
 Manager, Atlanta Manufacturing
 Inspection District Office