



U. S. Department
of Transportation

**Federal Aviation
Administration**

Small Airplane Directorate
Cleveland Manufacturing Inspection District Office
Federal Facilities Bldg., Rm. 127
Cleveland Hopkins Intl. Airport
Cleveland, Ohio 44135

July 13, 2004

Aviation Component Solutions
1380 Heritage Drive
Cleveland, Ohio 44117

Attention: Mr. Dave Kvasnicka
General Manager

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

The statements dated July 8, 2004, certifying that Aviation Component Solutions has established a fabrication inspection system that meets the requirements of 14 CFR part 21.303(h) for the parts listed, are accepted.

Transmitted herewith is Production Approval Listing, Supplement No. 41 dated July 13, 2004, which grants approval of the production of the parts listed thereon, under the same conditions and limitations included in the approval letter of June 27, 2000.

Should you have any questions regarding this matter, you may wish to direct them to this office at telephone number (216) 265-1380.

Sincerely,

Kimberly S. Edwards

for Matthew E. Tomsheck
Manager, Manufacturing
Inspection District Office

Enclosure

PARTS MANUFACTURER APPROVAL NO: PQ2685CE-D
 PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 41
 DATE: July 13, 2004

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Aviation Component Solutions
 1380 Heritage Drive
 Cleveland, Ohio 44117

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement For</u>	<u>FAA Approval Basis and Approved Design Data</u>	<u>Installation Eligibility: MAKE</u>	<u>Installation Eligibility: MODEL</u>
Disk, Butterfly Valve	P00411	Honeywell P/N 883948-4 installed in Honeywell Flow Control Valve P/N 396498-2	Test and Computations per 14 CFR § 21.303 DWG No.: P00411 Rev.: B Date: 11-26-03 or later FAA approved revisions	Boeing	737-400 Series, 737-700 Series
Disk, Butterfly Valve	P00411	Honeywell P/N 883948-4 installed in Honeywell Flow Control Valve P/N 396442-1	Test and Computations per 14 CFR § 21.303 DWG No.: P00411 Rev.: B Date: 11-26-03 or later FAA approved revisions	Boeing	737-500 Series, 737-600 Series
Clapper	P00356	Liebherr-Aerospace P/N 6774-22 Installed in Liebherr-Aerospace Bleed Pressure Regulator Valve P/N 6774E010000	Test and Computations per 14 CFR § 21.303 DWG No.: P00356 Rev.: A Date: 5-19-04 or later FAA approved revisions	Airbus	A319-112, A319-114, A319-131, A319-133, A320-211, A320-212, A320-214, A320-231, A320-232, A321-131, A321-211, A321-231
Clapper	P00356	Liebherr-Aerospace P/N 6774-22 Installed in Liebherr-Aerospace Bleed Pressure Regulator Valve P/N 6774B020000	Test and Computations per 14 CFR § 21.303 DWG No.: P00356 Rev.: A Date: 5-19-04 or later FAA approved revisions	Airbus	A319-112, A319-133, A320-214, A320-231, A320-232, A321-131, A321-211, A321-231
Clapper	P00356	Liebherr-Aerospace P/N 6774-22 Installed in Liebherr-Aerospace Bleed Pressure Regulator Valve P/N 6714D060000	Test and Computations per 14 CFR § 21.303 DWG No.: P00356 Rev.: A Date: 5-19-04 or later FAA approved revisions	Airbus	A319-114, A320-211, A320-212, A320-231, A320-232, A321-131, A321-231
Seal	P00384	Janitrol Aero Division P/N 32-0525-5 installed in Janitrol Aero Division Air Shutoff Valve Assy P/N 67-2985-002	Test and Computations per 14 CFR § 21.303 DWG No.: P00384 Rev.: B Date: 5-12-04 or later FAA approved revisions	Boeing	747-200B Series, 747-200C Series, 747-300 Series, 747-400 Series, 747SP Series

Seal	P00384	Janitrol Aero Division P/N 32-0525-5 installed in Janitrol Aero Division Air Shutoff Valve Assy P/N 67-2985-003	Test and Computations per 14 CFR § 21.303 DWG No.: P00384 Rev.: B Date: 5-12-04 or later FAA approved revisions	Boeing	747-200B Series, 747-200C Series, 747-300 Series, 747-400 Series,
Seal	P00384	Janitrol Aero Division P/N 32-0525-5 installed in Janitrol Aero Division Air Shutoff Valve Assy P/Ns 67-2985-001 & 67-2985-001M	Test and Computations per 14 CFR § 21.303 DWG No.: P00384 Rev.: B Date: 5-12-04 or later FAA approved revisions	Boeing	747-200B Series, 747-200C Series, 747-300 Series, 747SP Series
Spindle	P00436	Flight Refueling P/N 8084556 installed in Flight Refueling Valve-Multiway Spherical Plug P/N 8084040H	Test and Computations per 14 CFR § 21.303 DWG No.: P00436 Rev.: B Date: 5-12-04 or later FAA approved revisions	Airbus	A300B4-603, A300B4-605R, A300B4-620, A310-222, A310-304, A310-322, A310-324, A310-325
Spindle	P00436	Flight Refueling P/N 8084556 installed in Flight Refueling Valve-Fill, Overflow and Drain P/N 8084240H	Test and Computations per 14 CFR § 21.303 DWG No.: P00436 Rev.: B Date: 5-12-04 or later FAA approved revisions	Airbus	A300B4-603, A300B4-605R, A310-222, A310-304, A310-322, A310-324, A310-325
Spindle	P00436	Flight Refueling P/N 8084556 installed in Flight Refueling Valve-Fill, Overflow and Drain P/N 8084036H	Test and Computations per 14 CFR § 21.303 DWG No.: P00436 Rev.: B Date: 5-12-04 or later FAA approved revisions	Airbus	A300B4-620, A310-204, A310-304, A310-324, A310-325
Ring Set	P00441	Honeywell P/N 3175615-1 installed in Honeywell High Stage Bleed Air Valve P/N 978892-5	Test and Computations per 14 CFR § 21.303 DWG No.: P00441 Rev.: A Date: 2-4-04 or later FAA approved revisions	Boeing	747-200B Series, 747-200C Series, 747-200F Series, 747-300 Series
Ring Set	P00441	Honeywell P/N 3175615-1 installed in Honeywell High Stage Bleed Air Valve P/N 978892-6	Test and Computations per 14 CFR § 21.303 DWG No.: P00441 Rev.: A Date: 2-4-04 or later FAA approved revisions	Boeing	747-200B Series
Ring Set	P00441	Honeywell P/N 3175615-1 installed in Honeywell High Pressure Bleed Control Valve P/Ns 978690-9, 978690-11	Test and Computations per 14 CFR § 21.303 DWG No.: P00441 Rev.: A Date: 2-4-04 or later FAA approved revisions	Airbus	A300B4-603, A300B4-605R, A310-204, A310-304
Ring Set, Seal	P00443	Honeywell P/N 881787-13 installed in Honeywell Valve-Bleed Air Pressure Regulating P/N 898806-1	Test and Computations per 14 CFR § 21.303 DWG No.: P00443 Rev.: A Date: 2-4-04 or later FAA approved revisions	Boeing	747-200B Series, 747-200C Series, 747-200F Series, 747-300 Series

Ring Set, Seal	P00443	Honeywell P/N 881787-13 installed in Honeywell Valve-Bleed Air Pressure Regulating P/N 3214886-1, 3214886-2	Test and Computations per 14 CFR § 21.303 DWG No.: P00443 Rev.: A Date: 2-4-04 or later FAA approved revisions	Airbus	A300B4-603, A300B4-605R, A310-204, A310-304
Bushing, Upper	P00460	Grimes Aerospace Company P/N 32-0897-9 installed in Grimes Aerospace Company Valve-Assy Air Shutoff P/N 67-2985-002	Test and Computations per 14 CFR § 21.303 DWG No.: P00460 Rev.: A Date: 5-25-04 or later FAA approved revisions	Boeing	747-200B Series, 747-200C Series, 747-300 Series, 747-400 Series, 747SP Series
Bushing, Upper	P00460	Grimes Aerospace Company P/N 32-0897-9 installed in Grimes Aerospace Company Valve-Assy Air Shutoff P/N 67-2985-003	Test and Computations per 14 CFR § 21.303 DWG No.: P00460 Rev.: A Date: 5-25-04 or later FAA approved revisions	Boeing	747-200B Series, 747-200C Series, 747-300 Series, 747-400 Series,
Bushing, Upper	P00460	Grimes Aerospace Company P/N 32-0897-9 installed in Grimes Aerospace Company Valve-Assy Air Shutoff P/N 67-2906-002	Test and Computations per 14 CFR § 21.303 DWG No.: P00460 Rev.: A Date: 5-25-04 or later FAA approved revisions	Boeing	737-200 Series, 737-400 Series, 747-500 Series, 737-600 Series, 737-700 Series, 737-800 Series
Ring, Piston	P00501	Honeywell P/N 974353-2 installed in Honeywell Starter Valve P/N 3290064-10	Test and Computations per 14 CFR § 21.303 DWG No.: P00501 Rev.: A2 Date: 3-15-04 or later FAA approved revisions	Airbus	A319-112, A319-114, A320-211, A320-212, A320-214, A321-211
Ring, Piston	P00501	Honeywell P/N 974353-2 installed in Honeywell Starter Valve P/N 3290064-13	Test and Computations per 14 CFR § 21.303 DWG No.: P00501 Rev.: A2 Date: 3-15-04 or later FAA approved revisions	Airbus	A340-211, A340-212, A340-213, A340-311, A340-313
Ring, Piston	P00501	Honeywell P/N 974353-2 installed in Honeywell Starter Valve P/Ns 979826-6, 979826-10	Test and Computations per 14 CFR § 21.303 DWG No.: P00501 Rev.: A2 Date: 3-15-04 or later FAA approved revisions	Boeing	747-400 Series, 767-300 Series
Ring, Piston	P00501	Honeywell P/N 974353-2 installed in Honeywell Starter Valve P/N 979826-1	Test and Computations per 14 CFR § 21.303 DWG No.: P00501 Rev.: A2 Date: 3-15-04 or later FAA approved revisions	Boeing	767-200 Series
Ring, Piston	P00501	Honeywell P/N 974353-2 installed in Honeywell Starter Valve P/Ns 979826-3, 979826-9	Test and Computations per 14 CFR § 21.303 DWG No.: P00501 Rev.: A2 Date: 3-15-04 or later FAA approved revisions	Boeing	767-300 Series

Poppet Assembly	P00220	Barber-Colman P/N MYLB 82 installed in Barber- Colman Relief Valve P/N AV18B1018	Test and Computations per 14 CFR § 21.303 DWG No.: P00220 Rev.: B3 Date: 10-30-02 or later FAA approved revisions	Boeing	737-300 Series, 737-400 Series, 737-500 Series
Bearing, Lower	P00382	Janitrol Aero Division P/N 32-0897-10 installed in Janitrol Aero Division Valve-Assy Air Shutoff P/N 67-2985-002	Test and Computations per 14 CFR § 21.303 DWG No.: P00382 Rev.: A Date: 12-15-03 or later FAA approved revisions	Boeing	747-200B Series, 747-200C Series, 747-300 Series, 747-400 Series, 747SP Series
Bearing, Lower	P00382	Janitrol Aero Division P/N 32-0897-10 installed in Janitrol Aero Division Valve-Assy Air Shutoff P/N 67-2985-003	Test and Computations per 14 CFR § 21.303 DWG No.: P00382 Rev.: A Date: 12-15-03 or later FAA approved revisions	Boeing	747-200B Series, 747-200C Series, 747-300 Series, 747-400 Series,
Ring Set, Seal	P00430	Honeywell P/N 881787-10 installed in Honeywell High Stage Bleed Air Valve P/Ns 978892-2, 978892-3, 978892-4, 978892-5	Test and Computations per 14 CFR § 21.303 DWG No.: P00430 Rev.: A Date: 5-04-04 or later FAA approved revisions	Boeing	747-200B Series, 747-200C Series, 747-200F Series 747-300 Series,
Ring Set, Seal	P00430	Honeywell P/N 881787-10 installed in Honeywell High Stage Bleed Air Valve P/N 978892-6	Test and Computations per 14 CFR § 21.303 DWG No.: P00430 Rev.: A Date: 5-04-04 or later FAA approved revisions	Boeing	747-200B Series
Ring Set, Seal	P00430	Honeywell P/N 881787-10 installed in Honeywell High Stage Bleed Air Valve P/Ns 978690-7, 978690-9, 978690-11	Test and Computations per 14 CFR § 21.303 DWG No.: P00430 Rev.: A Date: 5-04-04 or later FAA approved revisions	Airbus	A300B4-603, A300B4-605R, A310-204, A310-304
Hinge Pin	P00432	Aero Controlex Group P/N 903208 installed in Aero Controlex Group Check Valve P/Ns 9032-4-1, 9032-4-2	Test and Computations per 14 CFR § 21.303 DWG No.: P00432 Rev.: C Date: 2-24-04 or later FAA approved revisions	Boeing	747-200B Series, 747-200C Series, 747-200F Series, 747-300 Series, 747-400 Series
Hinge Pin	P00432	Aero Controlex Group P/N 903208 installed in Aero Controlex Group Check Valve P/Ns 9032-2-4, 9032-3-1, 9032-3-2	Test and Computations per 14 CFR § 21.303 DWG No.: P00432 Rev.: C Date: 2-24-04 or later FAA approved revisions	Boeing	747-200B Series, 747-200C Series, 747-200F Series,

Valve Assy, Relief	P00336	Honeywell P/N 967070-23 installed in Honeywell High Stage Valve P/N 3214446-4	Test and Computations per 14 CFR § 21.303 DWG No.: P00336 Rev.: C Date: 5-13-04 or later FAA approved revisions	Boeing	737-300 Series, 737-400 Series, 737-500 Series, 737-600 Series, 737-700 Series, 737-800 Series
Retainer, Spring	P00340	Honeywell P/N 967072-1 installed in Honeywell High Stage Valve P/N 3214446-4	Test and Computations per 14 CFR § 21.303 DWG No.: P00340 Rev.: A Date: 5-13-04 or later FAA approved revisions	Boeing	737-300 Series, 737-400 Series, 737-500 Series, 737-600 Series, 737-700 Series, 737-800 Series
Spring	P00342	Honeywell P/N 3177749-1 installed in Honeywell High Stage Valve P/N 3214446-4	Test and Computations per 14 CFR § 21.303 DWG No.: P00342 Rev.: B Date: 5-14-04 or later FAA approved revisions	Boeing	737-300 Series, 737-400 Series, 737-500 Series, 737-600 Series, 737-700 Series, 737-800 Series
Valve, Poppet	P00344	Honeywell P/N 3162883-3 installed in Honeywell High Stage Valve P/N 3214446-4	Test and Computations per 14 CFR § 21.303 DWG No.: P00344 Rev.: B Date: 5-24-04 or later FAA approved revisions	Boeing	737-300 Series, 737-400 Series, 737-500 Series, 737-600 Series, 737-700 Series, 737-800 Series
Body, Valve	P00345	Honeywell P/N 967194-1 installed in Honeywell High Stage Valve P/N 3214446-4	Test and Computations per 14 CFR § 21.303 DWG No.: P00345 Rev.: A Date: 5-14-04 or later FAA approved revisions	Boeing	737-300 Series, 737-400 Series, 737-500 Series, 737-600 Series, 737-700 Series, 737-800 Series
Seat, Face Seal	P00133	Vickers P/N 361106 installed in Vickers Hydraulic Motorpump P/N 887477.	Test and Computations per 14 CFR § 21.303 DWG No.: P00133 Rev.: A Date: 03/22/02 or later FAA approved revisions	Boeing	737-300 Series, 737-400 Series, 737-500 Series, 737-600 Series, 737-700 Series, 737-800 Series
Liner, Lube Pump	P00055	Hamilton Sundstrand P/N 742140 installed in Hamilton Sundstrand Integrated Drive Generator P/Ns 752157B, 752157C, 752157D	Test and Computations per 14 CFR § 21.303 DWG No.: P00055 Rev.: C Date: 09/18/01 or later FAA approved revisions	Airbus	A340-211, A340-212, A340-213, A340-311, A340-313
Liner, Lube Pump	P00055	Hamilton Sundstrand P/N 742140 installed in Hamilton Sundstrand Integrated Drive Generator P/Ns 735874B, 735874C, 735874D, 739515	Test and Computations per 14 CFR § 21.303 DWG No.: P00055 Rev.: C Date: 09/18/01 or later FAA approved revisions	Airbus	A300B4-603, A300B4-605R
Liner, Lube Pump	P00055	Hamilton Sundstrand P/N 742140 installed in Hamilton Sundstrand Integrated Drive Generator P/Ns 729714C, 729714D, 729714E	Test and Computations per 14 CFR § 21.303 DWG No.: P00055 Rev.: C Date: 09/18/01 or later FAA approved revisions	Airbus	A300B4-620

Liner, Lube Pump	P00055	Hamilton Sundstrand P/N 742140 installed in Hamilton Sundstrand Integrated Drive Generator P/Ns 735874, 735874A, 735874B, 735874C, 735874D	Test and Computations per 14 CFR § 21.303 DWG No.: P00055 Rev.: C Date: 09/18/01 or later FAA approved revisions	Airbus	A310-204, A310-304
Liner, Lube Pump	P00055	Hamilton Sundstrand P/N 742140 installed in Hamilton Sundstrand Integrated Drive Generator P/Ns 729714A, 729714B, 729714C, 729714D, 729714E	Test and Computations per 14 CFR § 21.303 DWG No.: P00055 Rev.: C Date: 09/18/01 or later FAA approved revisions	Airbus	A310-222, A310-322, A310-324, A310-325
Liner, Lube Pump	P00055	Hamilton Sundstrand P/N 742140 installed in Hamilton Sundstrand Integrated Drive Generator P/Ns 766088, 766088A, 739515, 739515A, 739515B, 739515C, 739515D	Test and Computations per 14 CFR § 21.303 DWG No.: P00055 Rev.: C Date: 09/18/01 or later FAA approved revisions	Boeing	747-400 Series
Liner, Lube Pump	P00055	Hamilton Sundstrand P/N 742140 installed in Hamilton Sundstrand Integrated Drive Generator P/Ns 727792C, 727792D, 727792E, 727792F, 727792G, 727792J, 727792K, 727792L, 727792M, 729825C, 729825D, 729825E, 729825F, 729825G, 729825J	Test and Computations per 14 CFR § 21.303 DWG No.: P00055 Rev.: C Date: 09/18/01 or later FAA approved revisions	Boeing	757-200 Series, 757-200PF Series

Liner, Lube Pump P00055

Hamilton Sundstrand Test and Computations per Boeing
P/N 742140 installed 14 CFR § 21.303
in Hamilton
Sundstrand Integrated DWG No.: P00055
Drive Generator P/Ns Rev.: C
729825B, Date: 09/18/01 or later FAA
729825C, approved revisions
729825D,
729825E,
729825F,
729825G,
729825H,
729825J,
729825K,
729825L,
M729825C,
739515,
739515A,
739515B,
739515C,
739515D,
744041,
744041B,
766088,
766088A

767-200 Series,
767-300 Series

-----End of Listing-----

for Kimberly S. Edwards
Matthew E. Tomsheck
Manager, Manufacturing
Inspection District Office