

FEDERAL AVIATION ADMINISTRATION-PARTS MANUFACTURER APPROVAL

Seal Dynamics
13780 McCormick Drive
Tampa, FL 33626

PMA NO. PQ1715CE
SUPPLEMENT NO. 144
DATE: April 7, 2008

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement for Part Number</u>	<u>Approval Basis and Approved Design Data</u>	<u>Installation Eligibility Make:</u>	<u>Installation Eligibility Model:</u>
Packing, Preformed	69494J6SD	Hamilton Sundstrand 69494J6	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Boeing	747SP/747SR/747-100/-100B/-100B SUD/-200B/-200C/-200F/-300 Series 767-200/-300/-300F/-400ER Series
				Saab	340A/SAAB 340B
Packing, Preformed	69494J7SD	Hamilton Sundstrand 69494J7	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Embraer	EMB-135/-145 Series
Packing, Preformed	69494J8SD	Hamilton Sundstrand 69494J8	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Boeing	747SP/747SR/747-100/-100B/-100B SUD/-200B/-200C/-200F/-300 Series 757-200/-200CB/-200PF/-300 Series 767-200/-300/-300F/-400ER Series 777-200/-300/-300ER Series
				Embraer	EMB-135/-145 Series
				Saab	340A/SAAB 340B
Packing, Preformed	69494J10SD	Hamilton Sundstrand 69494J10	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Airbus	A330-200/-300 Series
				Boeing	747SP/747SR/747-100/-100B/-100B SUD/-200B/-200C/-200F/-300 Series 767-200/-300/-300F/-400ER Series 777-200/-300 Series
				Embraer	EMB-135/-145 Series
				Saab	340A/SAAB 340B

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Packing, Preformed	69494J11SD	Hamilton Sundstrand 69494J11	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Airbus	A330-200/-300 Series
				Boeing	747SP/747SR/747-100/-100B/-100B SUD/-200B/-200C/-200F/-300 Series 767-200/-300/-300F/-400ER Series 777-200/-300 Series
Packing, Preformed	69494J12SD	Hamilton Sundstrand 69494J12	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Saab	340A, SAAB 340B
				Boeing	747SP/747SR/747-100/-100B/-100B SUD/-200B/-200C/-200F/-300 Series 767-200/-300/-300F/-400ER Series 777-200/-300 Series
Packing, Preformed	69494J13SD	Hamilton Sundstrand 69494J13	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Embraer	EMB-135/-145 Series
				Saab	340A/SAAB 340B
Packing, Preformed	69494J14SD	Hamilton Sundstrand 69494J14	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Boeing	747SP/747SR/747-100/-100B/-100B SUD/-200B/-200C/-200F/-300 Series 757-200/-200CB/-200PF/-300 Series 767-200/-300/-300F/-400ER Series 777-200/-300 Series
				Embraer	EMB-135/-145 Series
Packing, Preformed	69494J15SD	Hamilton Sundstrand 69494J15	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Saab	340A/SAAB 340B
				Boeing	747SP/747SR/747-100/-100B/-100B SUD/-200B/-200C/-200F/-300 Series 767-200/-300/-300F/-400ER Series

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Packing, Preformed	69494J17SD	Hamilton Sundstrand 69494J17	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Boeing Embraer	747SP/747SR/747-100/-100B/-100B SUD/-200B/-200C/-200F/-300/-400/-400D/-400F Series 767-200/-300/-300F/-400ER Series EMB-135/-145 Series ERJ 170-100 LR/-100 STD ERJ 190-100 IGW/-100 STD
Packing, Preformed	69494J19SD	Hamilton Sundstrand 69494J19	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Boeing	747SP/747SR/747-100/-100B/-100B SUD/-200B/-200C/-200F/-300/-400/-400D/-400F Series 777-200/-300 Series
Packing, Preformed	69494J27SD	Hamilton Sundstrand 69494J27	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Embraer	EMB-145 Series
Packing, Preformed	69494J29SD	Hamilton Sundstrand 69494J29	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Embraer	EMB-135/-145 Series ERJ 170-100 LR/-100 STD ERJ 190-100 IGW/-100 STD/-100 LR
Packing, Preformed	69494J110SD	Hamilton Sundstrand 69494J110	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Boeing	747SP/747SR/747-100/-100B/-100B SUD/-200B/-200C/-200F/-300/-400/-400D/-400F Series 757-200/-200CB/-200PF/-300 Series 767-200/-300/-300F/-400ER Series

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Packing, Preformed	69494J111SD	Hamilton Sundstrand 69494J111	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Boeing	747SP/747SR/747-100/-100B/-100B SUD/-200B/-200C/-200F/-300 Series 757-200/-200CB/-200PF/-300 Series 767-200/-300/-300F/-400ER Series
				Bombardier	CL-600-1A11 (CL-600)/-2A12 (CL-601)/-2B16 (CL-601-3A Variant, CL-601-3R Variant, CL-604 Vairiant)/-2B19 (Regional Jet Series 100 & 440)/-2C10 Series (Regional Jet Series 700, 701 & 702) DHC-8-100/-200/-300/-400 Series
Packing, Preformed	69494J112SD	Hamilton Sundstrand 69494J112	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Boeing	747SP/747SR/747-100/-100B/-100B SUD/-200B/-200C/-200F/-300/-400/-400D/-400F Series 767-200/-300/-300F/-400ER Series
Packing, Preformed	69494J140SD	Hamilton Sundstrand 69494J140	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Embraer	EMB-145 Series
Packing, Preformed	69494J165SD	Hamilton Sundstrand 69494J165	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Embraer	EMB-145 Series

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DATE: April 7, 2008

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement for Part Number</u>	<u>Approval Basis and Approved Design Data</u>	<u>Installation Eligibility Make:</u>	<u>Installation Eligibility Model:</u>
Packing, Preformed	69494J168SD	Hamilton Sundstrand 69494J168	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Embraer	EMB-145 Series
Packing, Preformed	69494J260SD	Hamilton Sundstrand 69494J260	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Boeing	747-400/-400D/-400F Series 767-200/-300/-300F/-400ER Series
Packing, Preformed	69494J346SD	Hamilton Sundstrand 69494J346	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Boeing	777-200/-300 Series
Packing, Preformed	69494J354SD	Hamilton Sundstrand 69494J354	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Boeing	777-200/-300 Series
Packing, Preformed	69494J446SD	Hamilton Sundstrand 69494J446	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Embraer Bombardier	EMB-120 Series CL-600-1A11 (CL-600)/ -2A12 (CL-601)/ -2B16 (CL-601-3A Variant, CL-601-3R Variant, CL-604 Vairiant)/ -2B19 (Regional Jet Series 100 & 440)/ -2C10 Series (Regional Jet Series 700, 701 & 702)

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Packing, Preformed	69494J902SD	Hamilton Sundstrand 69494J902	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Boeing	747SP/747SR/747-100/-100B/-100B SUD/-200B/-200C/-200F/-300/-400/-400D/-400F Series 767-200/-300/-300F/-400ER Series
				Embraer	EMB-135/-145 Series
Packing, Preformed	69494J903SD	Hamilton Sundstrand 69494J903	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Saab	340A, SAAB 340B
				Boeing	747SP/747SR/747-100/-100B/-100B SUD/-200B/-200C/-200F/-300/-400/-400D/-400F Series 767-200/-300/-300F/-400ER Series
Packing, Preformed	69494J904SD	Hamilton Sundstrand 69494J904	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Boeing	747-400/-400D/-400F Series 757-200/-200CB/-200PF/-300 Series 767-200/-300/-300F/-400ER Series
				Embraer	EMB-135/-145 Series
Packing, Preformed	69494J905SD	Hamilton Sundstrand 69494J905	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Embraer	EMB-135/-145 Series
Packing, Preformed	69494J906SD	Hamilton Sundstrand 69494J906	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Airbus	A330-200/-300 Series
				Boeing	747SP/747SR/747-100/-100B/-100B SUD/-200B/-200C/-200F/-300 Series 767-200/-300/-300F/-400ER Series 777-200/-300 Series
				Embraer	EMB135/-145 series
				Saab	340A, SAAB 340B

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Packing, Preformed	69494J908SD	Hamilton Sundstrand 69494J908	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Boeing	747SP/747SR/747-100/-100B/-100B SUD/-200B/-200C/-200F/-300 Series 767-200/-300/-300F/-400ER Series
Packing, Preformed	69494J910SD	Hamilton Sundstrand 69494J910	Test and Computations per 14 CFR § 21.303 <u>DWG NO:</u> 69494JXXXSD <u>REV:</u> IR <u>DATE:</u> 08/02/07 or later FAA Approved revisions	Boeing	747SP/747SR/747-100/-100B/-100B SUD/-200B/-200C/-200F/-300 Series 757-200/-200CB/-200PF/-300 Series 767-200/-300/-300F/-400ER Series 777-200/-300 Series
				Embraer	EMB135/-145 series

-END OF LISTING-

NOTE: Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an original FAA-PMA. If TC holder's ICA applies to these replacement parts, provide a statement noting such. If not, provide supplementary ICA per 14 CFR §21.50.



 Melvin D. Taylor, Manager Atlanta
 Aircraft Certification Office



 Mack Riley, Manager, Orlando
 Manufacturing Inspection District Office

FEDERAL AVIATION ADMINISTRATION-PARTS MANUFACTURER APPROVAL

Seal Dynamics
13780 McCormick Drive
Tampa, FL 33626

PMA NO. PQ1715CE
SUPPLEMENT NO. 355
DATE: May 11, 2012

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Boot Assembly	170-55400-401SD	Embraer P/N 170-55400-401	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> 170-55400-401SD <u>Rev:</u> IR <u>Dated:</u> 10/05/11, or later FAA-approved revisions	Embraer	ERJ 170-100 STD ERJ 170-100 LR ERJ 170-100 SU ERJ 170-100 SE ERJ 170-200 STD ERJ 170-200 LR ERJ 170-200 SU ERJ 190-100 STD ERJ 190-100 LR ERJ 190-100 IGW ERJ 190-100 ECJ ERJ 190-200 STD ERJ 190-200 LR ERJ 190-200 IGW
Kit	380-163SD	Goodrich P/N 380-163	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> 380-163SD <u>Rev:</u> A <u>Dated:</u> 05/08/12, or later FAA-approved revisions	Airbus	A319 series A320 series A321 series
Seal	39-190SD	Goodrich P/N 39-190	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> 39-190SD <u>Rev:</u> IR <u>Dated:</u> 12/20/11, or later FAA-approved revisions	Airbus	A319 series A320 series A321 series
Retaining Ring	245-666SD	Goodrich P/N 245-666	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> 245-666SD <u>Rev:</u> A <u>Dated:</u> 03/21/12, or later FAA-approved revisions	Airbus	A319 series A320 series A321 series
Cover, Coupling	401199-1SD	Bombardier Aerospace P/N 401199-1	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> 401199-1SD <u>Rev:</u> IR <u>Dated:</u> 12/02/11, or later FAA-approved revisions	Bombardier	DHC-8-400 Series
Packing, Preformed	69494J11SD	Hamilton Sundstrand P/N 69494J11	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> 69494JXXXSD <u>Rev:</u> IR <u>Dated:</u> 08/02/07, or later FAA-approved revisions	Bombardier Embraer	DHC-8-400 Series EMB 190 Series
Packing, Preformed	69494J12SD	Hamilton Sundstrand P/N 69494J12	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> 69494JXXXSD <u>Rev:</u> IR	Bombardier Embraer	DHC-8-400 Series EMB 190 Series


Dated: 08/02/07, or later
FAA-approved revisions

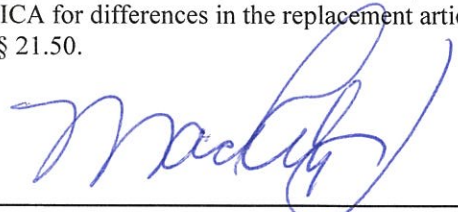
Packing, Preformed	69494J904SD	Hamilton Sundstrand P/N 69494J904	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> 69494JXXXSD <u>Rev:</u> IR <u>Dated:</u> 08/02/07, or later FAA-approved revisions	Bombardier Embraer	DHC-8-400 Series EMB 190 Series
Packing, Preformed	69494J905SD	Hamilton Sundstrand P/N 69494J905	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> 69494JXXXSD <u>Rev:</u> IR <u>Dated:</u> 08/02/07, or later FAA-approved revisions	Bombardier Embraer	DHC-8-400 Series EMB 190 Series
Packing, Preformed	69494J906SD	Hamilton Sundstrand P/N 69494J906	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> 69494JXXXSD <u>Rev:</u> IR <u>Dated:</u> 08/02/07, or later FAA-approved revisions	Bombardier Embraer	DHC-8-400 Series EMB 190 Series
Packing, Preformed	69494J908SD	Hamilton Sundstrand P/N 69494J908	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> 69494JXXXSD <u>Rev:</u> IR <u>Dated:</u> 08/02/07, or later FAA-approved revisions	Bombardier Embraer	DHC-8-400 Series EMB 190 Series
Packing, Preformed	69494J910SD	Hamilton Sundstrand P/N 69494J910	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> 69494JXXXSD <u>Rev:</u> IR <u>Dated:</u> 08/02/07, or later FAA-approved revisions	Bombardier Embraer	DHC-8-400 Series EMB 190 Series
Seal, Slide Valve	15800-246SD	Monogram Systems P/N 15800-246	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> 15800-246SD <u>Rev:</u> IR <u>Dated:</u> 09/17/09, or later FAA-approved revisions	Boeing	737-900 series 737-900ER series

-----**END OF LISTING**-----

NOTE:

- 1) Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.
- 2) The FAA approved ICA for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR § 21.50.


Melvin D. Taylor, Manager Atlanta
Aircraft Certification Office


Mack Riley, Manager Orlando
Manufacturing Inspection District Office