

**Technical portions of this document are FAA Approved**

**Date:** December 9, 2022

**Subject:** SA539988 Intake Valve Fracture

**Issue:**

Superior Air Parts has confirmed three instances of SA539988 intake valve fractures installed in Continental engines. Metallurgical analysis of the valves revealed low cycle fatigue fractures.

**Application:**

Superior Air Parts cylinder assemblies and repaired cylinders utilizing intake valve part number SA539988 shipped January 20, 2022, through Feb 23, 2022.

GTSIO520	C, D, E, F, H, K, L, M, N
IO470	A, C, D, E, F, G, H, J, K, L, LO, M, N, P, R, S, T, U, V, VO
IO520	A, B, BA, BB, C, CB, MB, N, NB, D, E, F, J, K, L, M, P
IO550	A, B, C, D, E, F, G, L
IOF550	B, C, D, E, F, L, P, R
LIO470	A
LIO520	P
LTSIO520	AE
O470	A, G, G-CI, E, G, H, J, K, K-CI, L, L-CI, M, M-CI, N, P, R, S, T, U
TSIO470	B, C, D
TSIO520	A, AE, AF, B, BB, BE, C, CE, D, DB, E, EB, G, H, J, JB, K, KB, L, LB, M, N, NB, P, R, T, U, UB, VB, WB
TSIO550	A, B, C, E, G, K
TSIOF550	D, G, J, K
TSIOL550	A, C

**NOTE:** Please reference Table 1 at the end of this document for a list of the affected cylinders by part number and serial number.

**CAUTION:** The cylinder assembly serial number list is not inclusive of repaired cylinders (commonly referred to as “overhauled cylinders”) that may have affected valves installed.

**IF YOU HAVE NEW SUPERIOR AIR PARTS REPLACEMENT CYLINDERS:**

**Compliance: Before further flight**

**Procedure:**

- 1) Confirm affected cylinder assemblies in Table 1 installed by review of FAA form 8130-3, Aircraft Engine Logbook entry, or visual inspection of cylinder serial number. The standard procedure for cylinder shops and aircraft/engine maintenance providers is to record this information in the aircraft engine logbooks and/or respective work orders. Serial numbers are located at the 3 o'clock position on the periphery of the cylinder base flange. See Figure 1.
- 2) If cylinders are not affected, make an Aircraft Engine Logbook entry indicating, and no further action is required.
- 3) If cylinders are affected, **GROUND AIRCRAFT IMMEDIATELY**. Complete the compliance form in this document and email to [MSB22-01@superiorairparts.com](mailto:MSB22-01@superiorairparts.com). Superior Air Parts will make arrangements for the affected cylinders to be outfitted with a new intake valve.
- 4) Proceed with removal of affected cylinder assemblies in accordance with the applicable aircraft and engine maintenance/overhaul manual.
- 5) Mark each cylinder and piston using a Sharpie marker for respective position. Cylinders will need to be reinstalled to their former positions and respective matching pistons.
- 6) Superior Air Parts will provide suitable shipping boxes for cylinders and instructions on where to send for affected valve replacement.
- 7) The affected valves will be replaced, and repaired cylinder assemblies returned to the address indicated on the compliance form.
- 8) Install the replacement cylinder assemblies in accordance with the Continental Motors Inc. Overhaul Manual and latest revision of Continental Motors Inc. M-0 Standard Practice Maintenance Manual.
- 9) Perform an engine run-up and leak check in accordance with the Continental Motors Inc. Maintenance Manual and latest revision of M-0.
- 10) Make an engine logbook entry of compliance with Superior Air Parts Mandatory Service Bulletin MSB 22-01.

Affected valves must be returned to the following address and accompanied with a copy of the completed compliance form.

**Superior Air Parts  
621 South Royal Lane Suite 100  
Coppell, TX 75019  
Attn: MSB22-01**

Warranty coverage for repair of affected cylinders will be in accordance with the Superior Air Parts FAA-PMA Cylinder Warranty Policy. Review of the policy is available at our website <https://www.superiorairparts.com/millennium-cylinders/cylinder-warranty/>.

**IF YOU HAVE A REPAIRED CYLINDERS WITH SA539988 VALVES INSTALLED:**

**Compliance: Before further flight**

**Procedure:**

- 1) Confirm affected valves installed by review of FAA form 8130-3, Aircraft Engine Logbook entry, cylinder repair facility work orders or visual inspection of suspect valve. The standard procedure for cylinder shops and aircraft/engine maintenance providers is to record this information in the aircraft engine logbooks and/or respective work orders. The lot number is located at the valve tip. See Figure 2. **The affected manufacturing lot number is 19077 O.** Removal of the rocker arm, valve keepers, plate and springs will be required for visual confirmation of the valve lot number. Removal of the aforementioned parts should be accomplished in accordance with the engine overhaul manual and latest revision of the Continental Motors Inc. M-0.
- 2) To prevent the valve from being pushed into the cylinder during inspection perform the following procedure:
  - a. Position the crankshaft just after bottom dead center on the compression stroke.
  - b. Insert about 8' of 3/8" clean and non-frayed nylon rope through the spark plug hole and then gently rotate the crankshaft until the piston pushes the rope snugly against the intake valve. This will hold the valve while compression of the valve spring and removal of the keepers is performed. Then inspect the outer valve tip for the presence of the affected lot number.
- 3) If valve(s) do not have the affected lot number, reassemble the parts in accordance with the engine overhaul manual and latest revision of the Continental Motors Inc. M-0. Rotate the crankshaft in the opposite direction to unload compression on the rope. Then carefully remove rope from the cylinder and proceed to the next cylinder if applicable.
  - a. Make an engine logbook entry indicating the valve(s) not affected by lot number and no further action is required.
- 4) If the valve(s) are affected by the respective lot number, **GROUND AIRCRAFT IMMEDIATELY.** Complete the compliance form in this document and email to [MSB22-01@superiorairparts.com](mailto:MSB22-01@superiorairparts.com).
  - a. Replacement valve(s), keepers and necessary gaskets for reassembly will be sent to the location designated on the compliance form.
  - b. Proceed with removal of affected cylinder assemblies in accordance with the applicable aircraft and engine maintenance/overhaul manual.
  - c. Mark each cylinder and piston using a Sharpie marker for respective position. Cylinders will need to be reinstalled to their former positions.
- 5) Install the repaired cylinder assemblies in accordance with the Continental Motors Inc. Overhaul Manual and latest revision of Continental Motors Inc. M-0.
- 6) Perform an engine run-up and leak check in accordance with the Continental Motors Inc. Maintenance Manual and latest revision of M-0.
- 7) Make an engine logbook entry of compliance with Superior Air Parts Mandatory Service Bulletin MSB22-01.

Affected valves must be returned to the following address and accompanied with a copy of the completed compliance form.

**Superior Air Parts**  
**621 South Royal Lane Suite 100**  
**Coppell, TX 75019**  
**Attn: MSB22-01**

Warranty coverage for the replacement of affected valves will be in accordance with the Superior Air Parts FAA-PMA Parts Warranty Policy. Review of the policy is available at our website <https://www.superiorairparts.com/replacement-part/warranty/>.

**Superior Air Parts Technical Support Contact Information:** 800-420-4727 option 3 for Technical Product Support.



Figure 1

Affected Cylinder Serial Numbers:  
See Table 1



Figure 2

Affected Valve Lot Number

## Compliance Form MSB22-01

Date of compliance \_\_\_\_\_

The aircraft to which this Service Bulletin will be applied is:

Aircraft Make	<input type="text"/>	Engine Model	<input type="text"/>
Aircraft Model	<input type="text"/>	Engine S/N	<input type="text"/>
Aircraft N Number	<input type="text"/>		<input type="text"/>

Cylinder Serial Numbers

Serial Number	Total Hours	Serial Number	Total Hours
1		4	
2		5	
3		6	

**Mechanic and Repair Facility Performing Compliance:**

**Replacement part shipping address:**

Facility Name	<input type="text"/>
Address	<input type="text"/>
	<input type="text"/>
City, State Zip	<input type="text"/>
Phone	<input type="text"/>
Email	<input type="text"/>
Contact/Mechanic	<input type="text"/>

**Owner Information:**

Owner Name	<input type="text"/>
Address	<input type="text"/>
	<input type="text"/>
City, State Zip	<input type="text"/>
Phone	<input type="text"/>
Email	<input type="text"/>

Signature \_\_\_\_\_

Print name and title \_\_\_\_\_

**Ship all affected valves to the following address  
along with a copy of this form**

**Superior Air Parts  
621 South Royal Lane Suite 100  
Coppell, TX 75019  
Email [MSB22-01@superiorairparts.com](mailto:MSB22-01@superiorairparts.com)**

TABLE 1

Part Number	Serial Numbers	Ship Date	Part Number	Serial Numbers	Ship Date
<b>SA52006-A20P</b>			SA52006-A20P	526000010144	1/31/2022
SA52006-A20P	526000009805	1/20/2022	SA52006-A20P	526000010145	1/31/2022
SA52006-A20P	526000009806	1/20/2022	SA52006-A20P	526000010146	1/31/2022
SA52006-A20P	526000009807	1/20/2022	SA52006-A20P	526000010147	1/31/2022
SA52006-A20P	526000009808	1/20/2022	SA52006-A20P	526000010148	1/31/2022
SA52006-A20P	526000009809	1/20/2022	SA52006-A20P	526000010149	1/31/2022
SA52006-A20P	526000009810	1/20/2022	SA52006-A20P	526000010150	1/31/2022
SA52006-A20P	526000009811	1/20/2022	SA52006-A20P	526000010151	1/31/2022
SA52006-A20P	526000009812	1/20/2022	SA52006-A20P	526000010423	2/10/2022
SA52006-A20P	526000009813	1/20/2022	SA52006-A20P	526000010424	2/10/2022
SA52006-A20P	526000009814	1/20/2022	SA52006-A20P	526000010425	2/10/2022
SA52006-A20P	526000009815	1/20/2022	SA52006-A20P	526000010426	2/10/2022
SA52006-A20P	526000009816	1/20/2022	SA52006-A20P	526000010427	2/10/2022
SA52006-A20P	526000009817	1/20/2022	SA52006-A20P	526000010428	2/10/2022
SA52006-A20P	526000010115	1/31/2022	SA52006-A20P	526000010429	2/10/2022
SA52006-A20P	526000010116	1/31/2022	SA52006-A20P	526000010430	2/10/2022
SA52006-A20P	526000010117	1/31/2022	SA52006-A20P	526000010431	2/10/2022
SA52006-A20P	526000010118	1/31/2022	SA52006-A20P	526000010432	2/10/2022
SA52006-A20P	526000010119	1/31/2022	SA52006-A20P	526000010433	2/10/2022
SA52006-A20P	526000010120	1/31/2022	SA52006-A20P	526000010434	2/10/2022
SA52006-A20P	526000010121	1/31/2022	SA52006-A20P	526000010435	2/10/2022
SA52006-A20P	526000010122	1/31/2022	SA52006-A20P	526000010436	2/10/2022
SA52006-A20P	526000010123	1/31/2022	SA52006-A20P	526000010437	2/10/2022
SA52006-A20P	526000010124	1/31/2022	SA52006-A20P	526000010438	2/10/2022
SA52006-A20P	526000010125	1/31/2022	SA52006-A20P	526000010439	2/10/2022
SA52006-A20P	526000010126	1/31/2022	SA52006-A20P	526000010440	2/10/2022
SA52006-A20P	526000010127	1/31/2022	SA52006-A20P	526000010441	2/10/2022
SA52006-A20P	526000010128	1/31/2022	SA52006-A20P	526000010442	2/10/2022
SA52006-A20P	526000010129	1/31/2022	SA52006-A20P	526000010443	2/10/2022
SA52006-A20P	526000010130	1/31/2022	SA52006-A20P	526000010444	2/10/2022
SA52006-A20P	526000010131	1/31/2022	SA52006-A20P	526000010445	2/10/2022
SA52006-A20P	526000010132	1/31/2022	SA52006-A20P	526000010446	2/10/2022
SA52006-A20P	526000010133	1/31/2022	SA52006-A20P	526000010447	2/10/2022
SA52006-A20P	526000010134	1/31/2022	SA52006-A20P	526000010448	2/10/2022
SA52006-A20P	526000010135	1/31/2022	SA52006-A20P	526000010449	2/15/2022
SA52006-A20P	526000010136	1/31/2022	SA52006-A20P	526000010450	2/10/2022
SA52006-A20P	526000010137	1/31/2022	SA52006-A20P	526000010451	2/15/2022
SA52006-A20P	526000010138	1/31/2022	SA52006-A20P	526000010452	2/10/2022
SA52006-A20P	526000010139	1/31/2022	SA52006-A20P	526000010453	2/15/2022
SA52006-A20P	526000010140	1/31/2022	SA52006-A20P	526000010454	2/10/2022
SA52006-A20P	526000010141	1/31/2022	SA52006-A20P	526000010455	2/10/2022
SA52006-A20P	526000010142	1/31/2022	SA52006-A20P	526000010456	2/10/2022
SA52006-A20P	526000010143	1/31/2022	SA52006-A20P	526000010534	2/14/2022



Part Number	Serial Numbers	Ship Date		Part Number	Serial Numbers	Ship Date
SA52006-A20P	526000010535	2/14/2022		SA52006-A20P	526000010585	2/17/2022
SA52006-A20P	526000010536	2/14/2022		SA52006-A20P	526000010586	2/17/2022
SA52006-A20P	526000010537	2/14/2022		SA52006-A20P	526000010587	2/17/2022
SA52006-A20P	526000010538	2/14/2022		SA52006-A20P	526000010588	2/17/2022
SA52006-A20P	526000010539	2/14/2022		SA52006-A20P	526000010589	2/17/2022
SA52006-A20P	526000010540	2/14/2022		SA52006-A20P	526000010590	2/17/2022
SA52006-A20P	526000010541	2/14/2022		SA52006-A20P	526000010591	2/17/2022
SA52006-A20P	526000010542	2/14/2022		SA52006-A20P	526000010592	2/17/2022
SA52006-A20P	526000010543	2/14/2022		SA52006-A20P	526000010593	2/17/2022
SA52006-A20P	526000010544	2/14/2022		SA52006-A20P	526000010594	2/17/2022
SA52006-A20P	526000010545	2/15/2022		SA52006-A20P	526000010595	2/17/2022
SA52006-A20P	526000010546	2/14/2022		SA52006-A20P	526000010596	2/17/2022
SA52006-A20P	526000010547	2/14/2022		SA52006-A20P	526000010597	2/17/2022
SA52006-A20P	526000010548	2/14/2022		SA52006-A20P	526000010598	2/17/2022
SA52006-A20P	526000010549	2/14/2022		SA52006-A20P	526000010599	2/17/2022
SA52006-A20P	526000010550	2/15/2022		SA52006-A20P	526000010600	2/17/2022
SA52006-A20P	526000010551	2/14/2022		SA52006-A20P	526000010601	2/17/2022
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SA52006-A20P	526000010558	2/14/2022		SA52006-A20P	526000010608	2/17/2022
SA52006-A20P	526000010559	2/14/2022		SA52006-A20P	526000010609	2/17/2022
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SA52006-A20P	526000010566	2/14/2022		SA52006-A20P	526000010616	2/17/2022
SA52006-A20P	526000010567	2/14/2022		SA52006-A20P	526000010617	2/17/2022
SA52006-A20P	526000010568	2/14/2022		SA52006-A20P	526000010618	2/17/2022
SA52006-A20P	526000010569	2/14/2022		SA52006-A20P	526000010619	2/17/2022
SA52006-A20P	526000010570	2/14/2022		SA52006-A20P	526000010620	2/17/2022
SA52006-A20P	526000010571	2/14/2022		SA52006-A20P	526000010621	2/17/2022
SA52006-A20P	526000010572	2/14/2022		SA52006-A20P	526000010622	2/17/2022
SA52006-A20P	526000010573	2/14/2022		SA52006-A20P	526000010623	2/17/2022
SA52006-A20P	526000010574	2/14/2022		SA52006-A20P	526000010657	2/18/2022
SA52006-A20P	526000010575	2/14/2022		SA52006-A20P	526000010658	2/18/2022
SA52006-A20P	526000010576	2/14/2022		SA52006-A20P	526000010659	2/18/2022
SA52006-A20P	526000010577	2/14/2022		SA52006-A20P	526000010660	2/18/2022

<b>Part Number</b>	<b>Serial Numbers</b>	<b>Ship Date</b>		<b>Part Number</b>	<b>Serial Numbers</b>	<b>Ship Date</b>
SA52006-A20P	526000010661	2/18/2022		SA52006-A20P	526000010705	2/21/2022
SA52006-A20P	526000010662	2/18/2022		SA52006-A20P	526000010706	2/21/2022
SA52006-A20P	526000010663	2/18/2022		SA52006-A20P	526000010707	2/21/2022
SA52006-A20P	526000010664	2/18/2022		SA52006-A20P	526000010708	2/21/2022
SA52006-A20P	526000010665	2/18/2022		SA52006-A20P	526000010709	2/21/2022
SA52006-A20P	526000010666	2/18/2022		SA52006-A20P	526000010710	2/21/2022
SA52006-A20P	526000010667	2/18/2022		SA52006-A20P	526000010711	2/21/2022
SA52006-A20P	526000010668	2/18/2022		SA52006-A20P	526000010712	2/21/2022
SA52006-A20P	526000010669	2/18/2022		SA52006-A20P	526000010713	2/21/2022
SA52006-A20P	526000010670	2/18/2022		SA52006-A20P	526000010714	2/21/2022
SA52006-A20P	526000010671	2/18/2022		SA52006-A20P	526000010715	2/21/2022
SA52006-A20P	526000010672	2/18/2022		SA52006-A20P	526000010716	2/21/2022
SA52006-A20P	526000010673	2/18/2022		SA52006-A20P	526000010717	2/21/2022
SA52006-A20P	526000010674	2/18/2022		SA52006-A20P	526000010718	2/21/2022
SA52006-A20P	526000010675	2/18/2022		SA52006-A20P	526000010719	2/21/2022
SA52006-A20P	526000010676	2/18/2022		SA52006-A20P	526000010720	2/21/2022
SA52006-A20P	526000010677	2/18/2022		SA52006-A20P	526000010721	2/21/2022
SA52006-A20P	526000010678	2/18/2022		SA52006-A20P	526000010722	2/21/2022
SA52006-A20P	526000010679	2/18/2022		SA52006-A20P	526000010723	2/21/2022
SA52006-A20P	526000010680	2/18/2022		SA52006-A20P	526000010724	2/21/2022
SA52006-A20P	526000010681	2/18/2022		SA52006-A20P	526000010725	2/21/2022
SA52006-A20P	526000010682	2/18/2022		SA52006-A20P	526000010726	2/21/2022
SA52006-A20P	526000010683	2/18/2022		SA52006-A20P	526000010727	2/21/2022
SA52006-A20P	526000010684	2/18/2022		SA52006-A20P	526000010728	2/21/2022
SA52006-A20P	526000010685	2/18/2022		SA52006-A20P	526000010729	2/21/2022
SA52006-A20P	526000010686	2/18/2022		SA52006-A20P	526000010730	2/21/2022
SA52006-A20P	526000010687	2/18/2022		SA52006-A20P	526000010731	2/21/2022
SA52006-A20P	526000010688	2/18/2022		SA52006-A20P	526000010732	2/21/2022
SA52006-A20P	526000010689	2/18/2022		SA52006-A20P	526000010733	2/21/2022
SA52006-A20P	526000010690	2/18/2022		SA52006-A20P	526000010734	2/21/2022
SA52006-A20P	526000010691	2/18/2022		SA52006-A20P	526000010735	2/21/2022
SA52006-A20P	526000010692	2/18/2022		SA52006-A20P	526000010736	2/21/2022
SA52006-A20P	526000010693	2/21/2022		SA52006-A20P	526000010737	2/21/2022
SA52006-A20P	526000010694	2/21/2022		SA52006-A20P	526000010738	2/21/2022
SA52006-A20P	526000010695	2/21/2022		SA52006-A20P	526000010739	2/21/2022
SA52006-A20P	526000010696	2/18/2022		SA52006-A20P	526000010740	2/21/2022
SA52006-A20P	526000010697	2/18/2022		SA52006-A20P	526000010741	2/21/2022
SA52006-A20P	526000010698	2/21/2022		SA52006-A20P	526000010742	2/21/2022
SA52006-A20P	526000010699	2/18/2022		SA52006-A20P	526000010743	2/21/2022
SA52006-A20P	526000010700	2/18/2022		SA52006-A20P	526000010744	2/21/2022
SA52006-A20P	526000010701	2/21/2022		SA52006-A20P	526000010745	2/21/2022
SA52006-A20P	526000010702	2/18/2022		SA52006-A20P	526000010746	2/21/2022
SA52006-A20P	526000010703	2/18/2022		SA52006-A20P	526000010747	2/21/2022



Part Number	Serial Numbers	Ship Date		Part Number	Serial Numbers	Ship Date
SA52006-A20P	526000010748	2/21/2022		SA52006-A20P	526000010792	2/22/2022
SA52006-A20P	526000010749	2/21/2022		SA52006-A20P	526000010793	2/22/2022
SA52006-A20P	526000010750	2/21/2022		SA52006-A20P	526000010794	2/22/2022
SA52006-A20P	526000010751	2/21/2022		SA52006-A20P	526000010795	2/22/2022
SA52006-A20P	526000010752	2/21/2022		SA52006-A20P	526000010796	2/22/2022
SA52006-A20P	526000010753	2/21/2022		SA52006-A20P	526000010797	2/22/2022
SA52006-A20P	526000010754	2/21/2022		SA52006-A20P	526000010798	2/22/2022
SA52006-A20P	526000010755	2/21/2022		SA52006-A20P	526000010799	2/22/2022
SA52006-A20P	526000010756	2/21/2022		SA52006-A20P	526000010800	2/22/2022
SA52006-A20P	526000010757	2/21/2022		SA52006-A20P	526000010801	2/22/2022
SA52006-A20P	526000010758	2/21/2022		SA52006-A20P	526000010802	2/22/2022
SA52006-A20P	526000010759	2/21/2022		SA52006-A20P	526000010803	2/22/2022
SA52006-A20P	526000010760	2/21/2022		SA52006-A20P	526000010804	2/22/2022
SA52006-A20P	526000010761	2/21/2022		SA52006-A20P	526000010805	2/22/2022
SA52006-A20P	526000010762	2/21/2022		SA52006-A20P	526000010806	2/22/2022
SA52006-A20P	526000010763	2/21/2022		<b>SA52006-A22P</b>		
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SA52006-A20P	526000010766	2/22/2022		SA52006-A22P	526000009774	1/20/2022
SA52006-A20P	526000010767	2/22/2022		SA52006-A22P	526000009775	1/20/2022
SA52006-A20P	526000010768	2/22/2022		SA52006-A22P	526000009776	1/20/2022
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SA52006-A20P	526000010770	2/22/2022		SA52006-A22P	526000009778	1/20/2022
SA52006-A20P	526000010771	2/23/2022		SA52006-A22P	526000009779	1/20/2022
SA52006-A20P	526000010772	2/22/2022		SA52006-A22P	526000009780	1/20/2022
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SA52006-A20P	526000010774	2/23/2022		SA52006-A22P	526000009782	1/20/2022
SA52006-A20P	526000010775	2/22/2022		SA52006-A22P	526000009783	1/20/2022
SA52006-A20P	526000010776	2/22/2022		SA52006-A22P	526000009784	1/20/2022
SA52006-A20P	526000010777	2/22/2022		SA52006-A22P	526000009785	1/20/2022
SA52006-A20P	526000010778	2/22/2022		SA52006-A22P	526000009786	1/20/2022
SA52006-A20P	526000010779	2/22/2022		SA52006-A22P	526000009787	1/20/2022
SA52006-A20P	526000010780	2/22/2022		SA52006-A22P	526000009788	1/20/2022
SA52006-A20P	526000010781	2/22/2022		SA52006-A22P	526000009789	1/20/2022
SA52006-A20P	526000010782	2/22/2022		SA52006-A22P	526000009790	1/20/2022
SA52006-A20P	526000010783	2/22/2022		SA52006-A22P	526000009791	1/20/2022
SA52006-A20P	526000010784	2/22/2022		SA52006-A22P	526000009792	1/20/2022
SA52006-A20P	526000010785	2/22/2022		SA52006-A22P	526000009793	1/20/2022
SA52006-A20P	526000010786	2/22/2022		SA52006-A22P	526000009794	1/20/2022
SA52006-A20P	526000010787	2/22/2022		SA52006-A22P	526000009795	1/20/2022
SA52006-A20P	526000010788	2/22/2022		SA52006-A22P	526000009796	1/20/2022
SA52006-A20P	526000010789	2/22/2022		SA52006-A22P	526000009797	1/20/2022
SA52006-A20P	526000010790	2/22/2022		SA52006-A22P	526000009798	1/20/2022
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SA52006-A22P	526000009802	1/20/2022		SA52006-A22P	526000010392	2/11/2022
SA52006-A22P	526000009803	1/20/2022		SA52006-A22P	526000010393	2/11/2022
SA52006-A22P	526000010152	1/31/2022		SA52006-A22P	526000010394	2/11/2022
SA52006-A22P	526000010153	1/31/2022		SA52006-A22P	526000010395	2/11/2022
SA52006-A22P	526000010154	1/31/2022		SA52006-A22P	526000010396	2/11/2022
SA52006-A22P	526000010155	1/31/2022		SA52006-A22P	526000010397	2/11/2022
SA52006-A22P	526000010156	1/31/2022		SA52006-A22P	526000010398	2/11/2022
SA52006-A22P	526000010157	1/31/2022		SA52006-A22P	526000010399	2/11/2022
SA52006-A22P	526000010357	2/10/2022		SA52006-A22P	526000010400	2/11/2022
SA52006-A22P	526000010358	2/10/2022		SA52006-A22P	526000010401	2/11/2022
SA52006-A22P	526000010359	2/10/2022		SA52006-A22P	526000010402	2/11/2022
SA52006-A22P	526000010360	2/10/2022		SA52006-A22P	526000010403	2/11/2022
SA52006-A22P	526000010361	2/10/2022		SA52006-A22P	526000010404	2/11/2022
SA52006-A22P	526000010362	2/10/2022		SA52006-A22P	526000010405	2/11/2022
SA52006-A22P	526000010363	2/10/2022		SA52006-A22P	526000010406	2/11/2022
SA52006-A22P	526000010364	2/10/2022		SA52006-A22P	526000010407	2/11/2022
SA52006-A22P	526000010365	2/10/2022		SA52006-A22P	526000010408	2/11/2022
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SA52006-A22P	526000010367	2/10/2022		SA52006-A22P	526000010410	2/11/2022
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SA52006-A22P	526000010369	2/10/2022		SA52006-A22P	526000010412	2/10/2022
SA52006-A22P	526000010370	2/10/2022		SA52006-A22P	526000010413	2/10/2022
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SA52006-A22P	526000010375	2/10/2022		SA52006-A22P	526000010418	2/10/2022
SA52006-A22P	526000010376	2/10/2022		SA52006-A22P	526000010419	2/10/2022
SA52006-A22P	526000010377	2/10/2022		SA52006-A22P	526000010420	2/10/2022
SA52006-A22P	526000010378	2/10/2022		SA52006-A22P	526000010421	2/10/2022
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SA52006-A22P	526000010380	2/10/2022		SA52006-A22P	526000010578	2/14/2022
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SA52006-A22P	526000010382	2/10/2022		SA52006-A22P	526000010580	2/14/2022
SA52006-A22P	526000010383	2/10/2022		SA52006-A22P	526000010581	2/14/2022
SA52006-A22P	526000010384	2/10/2022		SA52006-A22P	526000010582	2/14/2022
SA52006-A22P	526000010385	2/10/2022		SA52006-A22P	526000010583	2/14/2022
SA52006-A22P	526000010386	2/10/2022		SA52006-A22P	526000010633	2/18/2022
SA52006-A22P	526000010387	2/11/2022		SA52006-A22P	526000010634	2/18/2022
SA52006-A22P	526000010388	2/11/2022		SA52006-A22P	526000010635	2/18/2022
SA52006-A22P	526000010389	2/11/2022		SA52006-A22P	526000010636	2/18/2022

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SA52006-A22P	526000010639	2/18/2022		SA52006-A23P	526000010158	1/31/2022
SA52006-A22P	526000010640	2/18/2022		SA52006-A23P	526000010159	1/31/2022
SA52006-A22P	526000010641	2/18/2022		SA52006-A23P	526000010160	1/31/2022
SA52006-A22P	526000010642	2/18/2022		SA52006-A23P	526000010161	1/31/2022
SA52006-A22P	526000010643	2/18/2022		SA52006-A23P	526000010162	1/31/2022
SA52006-A22P	526000010644	2/18/2022		SA52006-A23P	526000010163	1/31/2022
SA52006-A22P	526000010645	2/18/2022		SA52006-A23P	526000010164	1/31/2022
SA52006-A22P	526000010646	2/18/2022		SA52006-A23P	526000010165	1/31/2022
SA52006-A22P	526000010647	2/18/2022		SA52006-A23P	526000010166	1/31/2022
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SA52006-A22P	526000010649	2/18/2022		SA52006-A23P	526000010168	1/31/2022
SA52006-A22P	526000010650	2/18/2022		SA52006-A23P	526000010169	1/31/2022
SA52006-A22P	526000010651	2/18/2022		SA52006-A23P	526000010170	1/31/2022
SA52006-A22P	526000010652	2/18/2022		SA52006-A23P	526000010171	1/31/2022
SA52006-A22P	526000010653	2/18/2022		SA52006-A23P	526000010172	1/31/2022
SA52006-A22P	526000010654	2/18/2022		SA52006-A23P	526000010458	2/11/2022
SA52006-A22P	526000010655	2/18/2022		SA52006-A23P	526000010459	2/11/2022
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SA52006-A23P	526000010081	1/31/2022		SA52006-A23P	526000010462	2/11/2022
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SA52006-A23P	526000010083	1/31/2022		SA52006-A23P	526000010464	2/11/2022
SA52006-A23P	526000010084	1/31/2022		SA52006-A23P	526000010465	2/11/2022
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SA52006-A23P	526000010087	1/31/2022		SA52006-A23P	526000010468	2/11/2022
SA52006-A23P	526000010088	1/31/2022		SA52006-A23P	526000010469	2/11/2022
SA52006-A23P	526000010089	1/31/2022		SA52006-A23P	526000010470	2/11/2022
SA52006-A23P	526000010090	1/31/2022		SA52006-A23P	526000010471	2/11/2022
SA52006-A23P	526000010091	1/31/2022		SA52006-A23P	526000010472	2/11/2022
SA52006-A23P	526000010092	1/31/2022		SA52006-A23P	526000010473	2/11/2022
SA52006-A23P	526000010093	1/31/2022		SA52006-A23P	526000010474	2/11/2022
SA52006-A23P	526000010094	1/31/2022		SA52006-A23P	526000010475	2/11/2022
SA52006-A23P	526000010095	1/31/2022		SA52006-A23P	526000010476	2/11/2022
SA52006-A23P	526000010096	1/31/2022		SA52006-A23P	526000010477	2/11/2022
SA52006-A23P	526000010097	1/31/2022		SA52006-A23P	526000010478	2/11/2022
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SA52006-A23P	526000010099	1/31/2022		SA52006-A23P	526000010480	2/11/2022
SA52006-A23P	526000010100	1/31/2022		SA52006-A23P	526000010481	2/11/2022
SA52006-A23P	526000010101	1/31/2022		SA52006-A23P	526000010482	2/11/2022
SA52006-A23P	526000010102	1/31/2022		SA52006-A23P	526000010483	2/11/2022

Part Number	Serial Numbers	Ship Date		Part Number	Serial Numbers	Ship Date
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SA52006-A23P	526000010486	2/11/2022		SA52006-A23P	526000010529	2/14/2022
SA52006-A23P	526000010487	2/11/2022		SA52006-A23P	526000010530	2/14/2022
SA52006-A23P	526000010488	2/11/2022		SA52006-A23P	526000010531	2/14/2022
SA52006-A23P	526000010489	2/11/2022		SA52006-A23P	526000010532	2/14/2022
SA52006-A23P	526000010490	2/11/2022		SA52006-A23P	526000010533	2/14/2022
SA52006-A23P	526000010491	2/11/2022		<b>SA55006-A20P</b>		
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SA52006-A23P	526000010494	2/11/2022		SA55006-A20P	556000000807	2/23/2022
SA52006-A23P	526000010495	2/11/2022		SA55006-A20P	556000000808	2/23/2022
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SA52006-A23P	526000010497	2/11/2022		SA55006-A20P	556000000810	2/23/2022
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SA52006-A23P	526000010499	2/14/2022		SA55006-A20P	556000000812	2/23/2022
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SA52006-A23P	526000010502	2/14/2022		SA55006-A20P	556000000815	2/23/2022
SA52006-A23P	526000010503	2/14/2022		SA55006-A20P	556000000816	2/23/2022
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SA52006-A23P	526000010506	2/14/2022		SA55006-A20P	556000000819	2/23/2022
SA52006-A23P	526000010507	2/14/2022		SA55006-A20P	556000000820	2/23/2022
SA52006-A23P	526000010508	2/14/2022		SA55006-A20P	556000000821	2/23/2022
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SA52006-A23P	526000010515	2/14/2022		SA55006-A20P	556000000828	2/23/2022
SA52006-A23P	526000010516	2/14/2022		SA55006-A20P	556000000829	2/23/2022
SA52006-A23P	526000010517	2/14/2022		SA55006-A20P	556000000830	2/23/2022
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SA52006-A23P	526000010520	2/14/2022		SA55006-A20P	556000000833	2/23/2022
SA52006-A23P	526000010521	2/14/2022		SA55006-A20P	556000000834	2/23/2022
SA52006-A23P	526000010522	2/14/2022		SA55006-A20P	556000000835	2/23/2022
SA52006-A23P	526000010523	2/14/2022		SA55006-A20P	556000000836	2/23/2022
SA52006-A23P	526000010524	2/14/2022		SA55006-A20P	556000000837	2/23/2022
SA52006-A23P	526000010525	2/14/2022		SA55006-A20P	556000000838	2/23/2022
SA52006-A23P	526000010526	2/14/2022		SA55006-A20P	556000000839	2/23/2022

Part Number	Serial Numbers	Ship Date		Part Number	Serial Numbers	Ship Date
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SA55006-A20P	556000000843	2/24/2022				

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