


Notification date: February 18, 2020
Notification reference number: CN-RPII-BLWL3R - A

Important Customer Notification

Purpose	Notification of change to seal used on inner packaging bag of Pall filter cartridges and capsules.
Affected products	Filter Cartridges, Capsules and Connectors. Reference Appendix 1 to see styles and Appendix 3 for the parts list.
Change to fluid or air contact component (s)?	No
Change process stages	Formal notification: This document Target date for implementation: Ilfracombe (UK) from May 2020; Fajardo (Puerto Rico) from January 2021.
Pall manufacturing plants impacted	Pall Fajardo, Puerto Rico and Pall Ilfracombe, United Kingdom
Customer action required	Because Pall cannot assess all end-user requirements of all products affected, we recommend a review of this notification in case the reported change could affect any inspection and operation procedures.
Pall point of contact	Please email your inquiries about this change to: customernotification@pall.com
Authorized by	 Mark Baree Quality Director Biotech Consumables

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Description of change


Pall is conducting a global project to introduce new equipment for sealing the inner plastic packaging used with filter capsules and cartridges manufactured at its Ilfracombe (UK) and Fajardo (Puerto Rico) manufacturing facilities.

This notification explains and shows how packaging using the incumbent sealing process and new sealing processes differ. A validation performance qualification summary is available in Appendix 2 of this notification.

Table 1 shows incumbent packaging and changed packaging with several impacted part codes

Table 1

	Current	Post Change
Empty Packaging		
AB-style filter cartridges		

	Current	Post Change
<p>Kleenpak style filter capsules</p>		
<p>Kleenpak II Connector</p>		
<p>Kleenpak Presto Connectors</p>		

Reason for the change

Improvement to the integrity of the seal used to enclose filter cartridges and capsules in inner packaging.

Please refer to the above examples to see how the new seal can be compared with the existing seal design.

The packaging material, dimensions and its opening mechanism are unchanged. There will be no changes to product part numbers or certificates due to this change.

Impact on customer operations and/or recommended action(s)

There are no changes to fit, form, or function of the impacted filter capsules due to these changes.

Because the new inner packaging seals will appear different to the incumbent, we recommend you review the images to see how the changes may impact any incoming inspections and operations.

Samples can be made available on request.

Please refer to your local marketing manager for any questions about the change.

Expect to receive product from Ilfracombe (UK) with changed packaging from May 2020 and product from Fajardo (Puerto Rico) from January 2021.

Additional information

This information is being provided to you to serve as notification so that you can assess impact on your receipt and incoming inspection operations. If anyone else within your organization should be made aware of this notification, please forward them a copy of this letter or advise us accordingly.

Please email your inquiries about this change to: customernotification@pall.com

This notification has been cleared for release by Pall Quality Assurance.

We appreciate your continued use of Pall products.

Appendix 1 – Overview of Impacted Filter and Connector Styles

Filter Capsules

Filter Style	Part Code Prefix
Mini Kleenpak™	KM5-
	KV1-
	KA02-
Kleenpak	KA1-
	KA2-
	KA3-
	KA4-
Kleenpak Nova	NP6 (L)-
	NP7-
	NP8-
	NT6-
	NT7-
	NP7-
Mustang® XT	XT5
DFA style	DFA-
FLF style	FLF-
Novasip™	C (L) 05 -
	C(L) 1-
	C(L) 2-
	C(L) 3-

Filter Cartridges

Filter Style	Part Code Prefix
Junior MCY style	MCY11-
	MCY22-
	MCY33-
	MCY44-
AVF style	AVF-
SBF style	SBF-
Sealkleen™ style filters	SLK7001-
	SLK7002-
AB-style filters	AB02 AB05
	AB1, AB2, AB3, AB4
MCY-style filters	MCY1001- MCY1002- MCY1003- MCY1004-
RF, RGN, RMF-style filters	R*F- R*GN- R*MF-
Filter blank	ZEA-

Connectors

Connector Type	Part Code Prefix
Kleenpak disconnectors	KPD01-
Kleenpak II sterile connectors	KPC03-
Kleenpak presto sterile connector	PSC1G-

Appendix 2 - Validation Performance Qualification Summary

Test Name	Test Overview	Number of Bags Tested	Acceptance Criteria	Criteria Met?
Spatula test	Testing to determine if spatula can separate the seal by moving spatula from one side to another	15 bags of each size (225 bags in total)	Unable to separate seal with spatula 100% pass rate required	Yes
Tear/pull test	Pull seals apart; manual test by hand	15 bags of each size (225 bags in total)	The seal withstands being pulled apart 100% pass rate required	Yes
Dye test	Dye test bags (BS EN 571-1:1997)	15 bags of each size (225 bags in total)	No leakage of dye through seals 100% pass rate required	Yes
Visual test	Seal looks visibly clear with no large wrinkles or creases and seal is positioned above the tear notches	15 bags of each size (225 bags in total)	100% pass rate required	Yes
Post Gamma Irradiation Test Results: Irradiation dose 34.38 – 42.97 kGy, all tests conducted using bag reference FP01241				
Spatula test	Testing to determine if spatula can separate the seal by moving spatula from one side to another	5 bags	Unable to separate seal with spatula 100% pass rate required	Yes
Tear/pull test	Pull seals apart Manual test by hand	5 bags	The seal withstands being pulled apart 100% pass rate required	Yes
Dye test	Dye test bags (BS EN 571-1:1997)	5 bags	No leakage of dye through seals 100% pass rate required	Yes
Visual test	Seal looks visibly clear with no large wrinkles or creases and seal is positioned above the tear notches	5 bags	100% pass rate required	Yes

Appendix 3 – Affected Part Numbers

Part Number	Part Number	Part Number	Part Number	Part Number
0538626-3625	AB05HTPFR7PVH4	AB1A0107J	AB1A4003J	AB1HTPFR7PVH1
0538635-3625	AB05J0062PH4	AB1A0107PH1	AB1A4007J	AB1HTPFR7PVH4
10MCFDV20	AB05J0122PH4	AB1A0107PH4	AB1A4007PH4	AB1HTPFR7PVH4
10MCFV4	AB05J0122PJ	AB1A0107WJ	AB1A4007PJ	AB1HTPFR7PVJ
A02NF2PH4	AB05J0452PH4	AB1A0153J	AB1A7007J	AB1J0063PH4
A05NF2PH4	AB05J0452PH4NPL	AB1A0157H4	AB1A7007PH4	AB1J0067H4
A05NFZ2PH4	AB05NF2PH4	AB1A0157J	AB1A9007J	AB1J0067PH1
A05NLZ2PH4	AB05NFZ2PH4	AB1A0157PH4	AB1A9007PH4	AB1J0067PH4
AB01A01014J	AB05NL2PH4	AB1A0157PJ	AB1BC7PH4	AB1J0123H1
AB01A03014J	AB05NR2PY1J	AB1A0303J	AB1DBL7PH1	AB1J0127H4
AB01A10014J	AB05NRL2PH4	AB1A0307J	AB1DBL7PH4	AB1J0127PH1
AB01Y00518J	AB05PFA2PVH4	AB1A0307PH4	AB1DC7PH4	AB1J0127PH4
AB01Y20018J	AB05PFA2PVJ	AB1A0307PH4NPL	AB1DC7PH4NPL	AB1J0127PJ
AB02NFZ2PH4	AB05PFA7PVH4	AB1A0307PJ	AB1DE7PH4	AB1J0253J
AB05DBL2PH4	AB05PFA7WH4	AB1A0503J	AB1DFL3PH4	AB1J0253PH4
AB05DBL7PH4	AB05PFR2PVH	AB1A0507H1	AB1DFL7PH1	AB1J0257H4
AB05DFL2PH1	AB05PFR2PVH1	AB1A0507H4	AB1DFL7PH4	AB1J0257PH4
AB05DFL2PH4	AB05PFR2PVH4	AB1A0507J	AB1DFL7PH424	AB1J0457H4
AB05DFL2PJ	AB05PFR2PVH4SSA	AB1A0507PH4	AB1DFL7PH4GSK	AB1J0457PH1
AB05DFL7PH4	AB05PFR2PVJ	AB1A0507PH4BAX	AB1DFL7PJ	AB1J0457PH4
AB05DFL7PJ	AB05PFR2WH4	AB1A0507PJ	AB1DJL3PH4	AB1J0607H4
AB05DJL2PH4	AB05PFR3PVH4	AB1A0507WH4	AB1DJL7PH4	AB1J0607J
AB05EKV2PH4	AB05PFR7PVH1	AB1A1007H1	AB1DV207PH4	AB1J0607PH4
AB05EKV2PH4BAX	AB05PFR7PVH4	AB1A1007H4	AB1EBV7PH4	AB1J0607PJ
AB05EKV2PJ	AB05PFR7PVJ	AB1A1007J	AB1EKV7PH1	AB1J1007H4
AB05EKV7PH4	AB05PFR7WH4	AB1A1007PH4	AB1EKV7PH4	AB1J1007PH4
AB05FSD2WH4	AB05UB2PH4	AB1A1007PJ	AB1EKV7PJ	AB1J1007PJ
AB05HAZ2PH4	AB05UEAV2PH4	AB1A1007WH4	AB1FN3EHF	AB1J2007H4
AB05HTPFR2PVH	AB05UECV2PH4	AB1A1007WJ	AB1FR7PSH4	AB1J2007PH1
AB05HTPFR2PVH1	AB05UECV2PJ	AB1A1507PH4	AB1FSD7WH4	AB1J2007PH4
AB05HTPFR2PVH4	AB05UEDF2PH4	AB1A2007H4	AB1HAZ7PH4	AB1J2007PH432
AB05HTPFR2PVH4	AB05UEDT2PH4	AB1A2007J	AB1HAZ7PJ	AB1J4007PH4
AB05HTPFR2PVJ	AB1A0107H4	AB1A2007PH4	AB1HTPFR7PVH	AB1J4007PH424

Part Number	Part Number	Part Number	Part Number	Part Number
AB1J4007PJ	AB1NNZ7PH4	AB1U010Z7PH4NPL	AB1Y2007PH4	AB2DFL7PH4
AB1J7007H4	AB1NR7PH4	AB1U030Z7PH4	AB1Y4003PH1	AB2DFL7PH432
AB1J7007PH4	AB1NR7PH424	AB1U100Z7PH4	AB1Y4007PH4	AB2DFL7PJ
AB1NA7PH4	AB1NR7PS1H4	AB1U2-20Z7H4	AB1Y7007PH4	AB2DJL7PH4
AB1NAZ3EH4	AB1NR7PS1J	AB1U2-20Z7PH4	AB1Y90018J	AB2DV207PH4SLS
AB1NAZ7EH4	AB1NR7PS2J	AB1U2-20Z7PH4NPL	AB1Y9007PH4	AB2DVD7PH4
AB1NAZ7PH4	AB1NR7PY1H4	AB1U6-40Z7PH4	AB1Y9009J	AB2EBV7PH4
AB1NB7PH4	AB1NR7PY1J	AB1UB7PH4	AB2A0107J	AB2EKV7PH1
AB1NB7PJ	AB1NRL7PH4	AB1UDV207PH4	AB2A0107PH4	AB2EKV7PH4
AB1NBAZ7PH4	AB1NX7PH4	AB1UDV507PH4	AB2A0153J	AB2EKV7PJ
AB1NBL7PH4	AB1NX7PY1H4	AB1UEAV7PH4	AB2A0157H4	AB2FR7EH1
AB1NBZ7PH4	AB1PFA2PVH4	AB1UEAV7PJ	AB2A0157J	AB2FR7PSH4
AB1NDZ7EH4	AB1PFA3PVH15	AB1UECV7PH4	AB2A0157PH4	AB2HAZ7PH4
AB1NF7PH4	AB1PFA3PVH4	AB1UEDF7PH4	AB2A0303J	AB2HTPFR7PVH1
AB1NF7PH424	AB1PFA7PVH1	AB1UEDF7PH424	AB2A0307J	AB2HTPFR7PVH4
AB1NF7PH432	AB1PFA7PVH4	AB1UEDT7PH4	AB2A0307PH4	AB2HTPFR7PVJ
AB1NF7PH4BAX	AB1PFA7PVH4	AB1USV47PH4	AB2A0307PJ	AB2HTPFR7WH4
AB1NF7PJ	AB1PFA7PVJ	AB1UUA7PH4	AB2A0503J	AB2J0067PH4
AB1NF7WH4	AB1PFA7WH4	AB1V0027EYH4	AB2A0507J	AB2J0127PH1
AB1NFL7PH4	AB1PFR2PVH4	AB1Y0037PH4	AB2A0507PH4	AB2J0127PH4
AB1NFZ3PH4	AB1PFR3PVH4	AB1Y0057PH4	AB2A1007H4	AB2J0127PJ
AB1NFZ7PH4	AB1PFR3PVJ	AB1Y0077PH4	AB2A1007J	AB2J02528PH4
AB1NFZ7PH424	AB1PFR7PVH	AB1Y0103H4	AB2A1007PH4	AB2J0257PH4
AB1NFZ7PH432	AB1PFR7PVH1	AB1Y0107PH4	AB2A1007PJ	AB2J0457H4
AB1NFZ7PH4PFZ	AB1PFR7PVH4	AB1Y0108PH4	AB2A2007J	AB2J0457PH1
AB1NI7PH4	AB1PFR7PVH424	AB1Y0207PJ	AB2A2007PH4	AB2J0457PH4
AB1NK7PH432	AB1PFR7PVH4BGN	AB1Y0307PH4	AB2A4007J	AB2J0603J
AB1NL7PH4	AB1PFR7PVH4SSA	AB1Y0503PJ	AB2A4007PH4	AB2J0607H4
AB1NLZ7PH4	AB1PFR7PVJ	AB1Y0507PH4	AB2A9007PJ	AB2J0607PH4
AB1NN7PH4	AB1PFR7WH4	AB1Y0707PH4	AB2DBL7PH4	AB2J1007H4
AB1NN7PH424	AB1U010Z7H4	AB1Y1007PH4	AB2DC7H4	AB2J1007PH4
AB1NNXZ7PH4	AB1U010Z7PH1	AB1Y1009J	AB2DC7PH4	AB2J1007PJ
AB1NNXZ7PH4BAX	AB1U010Z7PH4	AB1Y2007J	AB2DFL7PH1	AB2J2007PH4

Part Number	Part Number	Part Number	Part Number	Part Number
AB2J2007PJ	AB2NRL7PH4	AB2Y0077PH4	AB3A2007PJ	AB3NA7PH
AB2J4007H4	AB2NX7PS1H4	AB2Y0107H	AB3A4007J	AB3NA7PH4
AB2J4007PH4	AB2NX7PS1J	AB2Y0107H4	AB3A4007PH4	AB3NAZ7EH4
AB2J4007PJ	AB2PFA7PVH1	AB2Y0107PH4	AB3A4007PJ	AB3NAZ7PH4
AB2J7007PH4	AB2PFA7PVH15	AB2Y0307PH4	AB3A4007WH4	AB3NB7PH4
AB2NA7PH4	AB2PFA7PVH4	AB2Y0309J	AB3A9007PH4	AB3NBAZ7PH4
AB2NAZ3EH4	AB2PFA7PVJ	AB2Y0507PH4	AB3DBL7PH1	AB3NBZ7PH4
AB2NAZ3PH4	AB2PFR7PVH1	AB2Y0509J	AB3DBL7PH4	AB3NF7PH4
AB2NAZ7EH4	AB2PFR7PVH4	AB2Y0707PH4	AB3DC7PH4	AB3NFZ3PH4
AB2NAZ7PH1	AB2PFR7PVJ	AB2Y1007PH4	AB3DFL3PH4	AB3NFZ7PH4
AB2NAZ7PH4	AB2PFR7WH4	AB2Y2007PH4	AB3DFL7PH4	AB3NFZ7PJ
AB2NB7PH4	AB2PFR8PVH4	AB2Y4003J	AB3DFL7PH432	AB3NI7PH4CSL
AB2NB7WH4	AB2U010Z7H15	AB2Y4007H4	AB3DFL7PH4NPL	AB3NK7PH4
AB2NBAZ7PH4	AB2U010Z7H4	AB2Y7007PH4	AB3DFL7PJ	AB3NL7PH4
AB2NBZ3PH4	AB2U010Z7PH1	AB3A0107PH4	AB3DJL7PH4	AB3NLZ7PH4
AB2NBZ7PH4	AB2U010Z7PH4	AB3A0157H4	AB3EBV7PH4	AB3NN7PH4
AB2NF7PH4	AB2U010Z7PH4NPL	AB3A0157J	AB3EKV7PH4	AB3NNXZ7PH4
AB2NFL7PH4	AB2U2-20Z7H4	AB3A0157PH4	AB3EKV7PH412BIIB	AB3NR7PH4
AB2NFZ3PH4	AB2U2-20Z7PH4	AB3A0307J	AB3HAZ3PH4	AB3NR7PS1H4
AB2NFZ7PH4	AB2U6-40Z7H4	AB3A0307PH4	AB3HAZ7PH4	AB3NR7PS1J
AB2NFZ7PJ	AB2U6-40Z7PH4	AB3A0307PJ	AB3HTPFR7PVH4	AB3NR7PY1J
AB2NI7PH4	AB2UB7PH4	AB3A05018J	AB3HTPFR7PVJ	AB3NRL7PH4
AB2NK7PH4	AB2UDV207PH4	AB3A0503PH4	AB3J0067PH4	AB3NX7PS1J
AB2NL7PH4	AB2UDV207PH4SLS	AB3A0507H4	AB3J0127H4	AB3PFA7PVH4
AB2NLZ7PH4	AB2UDV507PH4	AB3A0507J	AB3J0127PH4	AB3PFA7PVJ
AB2NN7PH4	AB2UEAV7PH4	AB3A0507PH4	AB3J0257H4	AB3PFA7WH4
AB2NNXZ7PH4	AB2UEAV7PJ	AB3A0507WH4	AB3J0257PH4	AB3PFA8PVH4
AB2NNXZ7PH4BAX	AB2UECV7PH4	AB3A1007H4	AB3J0457PH4	AB3PFR2PVH4
AB2NR7PH4	AB2UEDF7PH4	AB3A1007J	AB3J1007PH4	AB3PFR3PVH4
AB2NR7PS1H4	AB2UEDT7PH4	AB3A1007PH4	AB3J2007PH4	AB3PFR7PVH1
AB2NR7PS1J	AB2UUA7PH4	AB3A1007WH4	AB3J4007PH4	AB3PFR7PVH15
AB2NR7PS2H15	AB2Y0037PH4	AB3A2007J	AB3J7007H4	AB3PFR7PVH4
AB2NR7PY1J	AB2Y0057PH4	AB3A2007PH4	AB3JSD7WH4	AB3PFR7PVH412

Part Number	Part Number	Part Number	Part Number	Part Number
AB3PFR7PVJ	AB3Y0107PH4	C2PFRP1	CLM05DV20P1G	KA02DFLP8G
AB3PFR7WH4	AB3Y0107PH496	C2PFRP1A	CLM05MSTGEP1	KA02DJLP2G
AB3ST7WH4	AB3Y0307PH4	C2PFRP1B	CLM05MSTGQP1	KA02DJLP8G
AB3U010Z3H4	AB3Y0507J	C3DFLP1	CLM05MSTGQP1	KA02EAVP2G
AB3U010Z7H4	AB3Y0507PH4	C3DFLP1A	CLM05MSTGSP1	KA02EAVP2G
AB3U010Z7J	AB3Y1007PH1	C3DFLP1B	CM05PFRP1	KA02EAVP8G
AB3U010Z7PH4	AB3Y1007PH4	C3DJLP1	DFA3001J045P	KA02EBVP2G
AB3U010Z7PH4NPL	AB3Y2007PH4	C3EKVP1	DFA3001J700P	KA02EBVP8G
AB3U030Z7PH4	AB3Y4007J	C3EKVP1B	DFA3001NAEY	KA02ECV2FT
AB3U100Z7H4	AB3Y7007PH4	C3EP1	DFA3001NRP	KA02ECVP2G
AB3U2-20Z7H4	AB4A0507PH4	C3J012P1	DFA3001NXP	KA02ECVP8G
AB3U2-20Z7PH4	AB4DBL7PH	C3NFP1A	DFA3001V002PV	KA02EDFP2G
AB3U2-20Z7PJ	AB4DFL7PH4	C3NFP1B	DFA4001NAEY	KA02EDFP8G
AB3U6-40Z7H4	AB4EKV7PH4	C3NFP1C	DFA4001NIEY	KA02EDTP2G
AB3U6-40Z7PH4	AB4HAZ7PH4	C3NFZP1	DFA4001NRP	KA02EDTP8G
AB3UB7PH4	AB4J1007PH4	C3NFZP1B	DFA4001V002PV	KA02EKVP2G
AB3UDV207PH4	AB4NF7PH4	C3NFZP1C	DFA4201NAEY	KA02EKVP2G
AB3UDV207PH4SLS	AB4NFZ7PH4	C3NRLP1	DFA4201NIEY	KA02EKVP82G
AB3UDV507PH4	AB4PFR7PVH4	C3PFRP1	DVF1A030NW25H4	KA02EKVP8G
AB3UEAV7PH4	AB4U010Z7PH4	C3PFRP1	DVF1A030NW32H4	KA02PFRP2
AB3UEAV7PJ	AB4Y0107PH4	C3PFRP1A	E101DE0000	KA02PFRP3
AB3UECV7PH4	AB4Y0509J	C3PFRP1B	FA71RPF1A	KA02PFRP8
AB3UEDF7PH1	AB4Y050B7PH4	CL1DFLP1A	FA71RPF1J	KA02PRM8FT
AB3UEDF7PH4	ABGN3FN0507H13	CL1NRLP1A	FA71RPFWH4	KA02SV42FT
AB3UEDF7PH412	ABN1NNN7WJ	CL2DFLP1A	FA72RPF1J	KA02V002P2G
AB3UEDF7PH4BGN	ABN3NF7WJ	CL2PRTP1	FA72RPFWH4	KA02V002P8G
AB3UEDT7PH4	AVF021V002PVH4	CL3DFLP1A	FA73RPF1H15	KA1DBLP1
AB3UUA7PH4	AVF021V002PVJ	CL3DV50P1G	FFGFR00P1A	KA1DBLP1G
AB3Y0037PH4	AVF022V002PVJ	CL3EAVP1	FLF6001J012P	KA1DBLP2G
AB3Y0057PH4	C05DFLP1	CL3MSTGEP1	FLF6001J060P	KA1DBLP6
AB3Y0057PH496	C1DFLP1	CL3MSTGQP1	FLF6001NAEY	KA1DFLP1
AB3Y01028J	C1NFP1A	CL3MSTGSP1	HLB3J60P02	KA1DFLP12G
AB3Y0107H4	C2NFP1A	CL3NRLP1A	KA02DFLP2G	KA1DFLP16G

Part Number	Part Number	Part Number	Part Number	Part Number
KA1DFLP1G	KA1NFP3	KA2DFLP1G	KA2J060P2	KA2PFRP1
KA1DFLP2	KA1NFZP1	KA2DFLP2	KA2J100P1	KA2PFRP1
KA1DFLP2G	KA1NFZP2	KA2DFLP2G	KA2J100P2	KA2PFRP16
KA1DFLP6G	KA1NFZP2G	KA2DFLP3	KA2J200P1	KA2PFRP2
KA1DJLP16G	KA1NFZP3	KA2DFLP6	KA2J200P1G	KA2PFRP3
KA1DJLP1G	KA1NFZP4	KA2DFLP6G	KA2J200P2	KA2PFRP6
KA1DJLP2G	KA1NFZP6G	KA2DJLP16G	KA2J400P1	KA2PFRW1
KA1DJLP6G	KA1NLP1	KA2DJLP1G	KA2J400P2	KA2V002PV16G
KA1EKVP16G	KA1NLP2	KA2DJLP2G	KA2J400P6	KA2V002PV1G
KA1EKVP1G	KA1NLP3	KA2DJLP6G	KA2NFLP1	KA2V002PV2G
KA1EKVP6G	KA1NTP1	KA2EDFP1G	KA2NFLP2	KA2V002PV3
KA1J012P1	KA1NTP2	KA2EDFP6G	KA2NFP1	KA2V002PV6G
KA1J012P2	KA1NTZP2	KA2EKVP16G	KA2NFP16G	KA3A050P1
KA1J025P1	KA1PFRP1	KA2EKVP1G	KA2NFP1G	KA3DBLP1
KA1J025P2	KA1PFRP2	KA2EKVP1G	KA2NFP1SA	KA3DBLP6
KA1J045P1	KA1PFRP6	KA2EKVP6G	KA2NFP2	KA3DFLP1
KA1J045P2	KA1PFRW1	KA2EKVP6G	KA2NFP2G	KA3DFLP16G
KA1J060P1	KA1PRT18FT	KA2EP1	KA2NFP3	KA3DFLP1G
KA1J100P1	KA1V002PV12G	KA2J006P1	KA2NFP6	KA3DFLP6
KA1J100P2	KA1V002PV16G	KA2J006P2	KA2NFZP1	KA3DFLP6G
KA1J100P6	KA1V002PV1G	KA2J012P1	KA2NFZP12	KA3DJLP16G
KA1J200P1	KA1V002PV1SA	KA2J012P2	KA2NFZP12G	KA3DJLP1G
KA1J200P1G	KA1V002PV21G	KA2J025P1	KA2NFZP2	KA3DJLP6G
KA1J200P2	KA1V002PV2G	KA2J025P2	KA2NFZP3	KA3EAVP16G
KA1J400P1	KA1V002PV3	KA2J025P3	KA2NFZP4	KA3EAVP1G
KA1J400P2G	KA1V002PV6G	KA2J025P4	KA2NLP1	KA3EAVP6G
KA1NFLP1	KA2DBLP1	KA2J045P1	KA2NLP2	KA3EKVP16G
KA1NFP1	KA2DBLP1G	KA2J045P2	KA2NLP2	KA3EKVP1G
KA1NFP1	KA2DBLP6	KA2J045P3	KA2NTP1	KA3EKVP6G
KA1NFP1G	KA2DBLP6G	KA2J045P4	KA2NTP2	KA3EKVP6G
KA1NFP1SA	KA2DFLP1	KA2J045P6	KA2NTZP1	KA3EP16G
KA1NFP2	KA2DFLP16	KA2J045P6G	KA2NTZP2	KA3J006P1
KA1NFP2G	KA2DFLP16G	KA2J060P1	KA2NTZP3	KA3J012P1

Part Number	Part Number	Part Number	Part Number	Part Number
KA3J012P6	KA3NTP6	KA4NFZP16G	MCY1001HAZPH4	MCY1001U6-40ZH13
KA3J025P1	KA3NTZP1	KA4NFZP1G	MCY1001J006PH4	MCY1002A010J
KA3J025P6	KA3PFRP1	KA4NLP1	MCY1001J012H13	MCY1002A015J
KA3J045P1	KA3PFRP6	KA4NLZP1	MCY1001J012H4	MCY1002A030J
KA3J045P6	KA3PFRW1	KALAN1	MCY1001J012J	MCY1002A050J
KA3J060P1	KA3V002PV1G	KPC03F1	MCY1001J012PH4	MCY1002A100H2
KA3J100P1	KA3V002PV6G	KPC03F5	MCY1001J025H13	MCY1002A100J
KA3J100P6	KA4A010P1	KPC03F5	MCY1001J025J	MCY1002A150J
KA3J200P1	KA4A030P1	KPC03F9	MCY1001J025PH4	MCY1002A200J
KA3J400P1	KA4A050P1	KPC03M1	MCY1001J045H13	MCY1002A400J
KA3J400P1G	KA4A100P1	KPC03M5	MCY1001J045J	MCY1002H5-40PJ
KA3NBP1	KA4DBLP1	KPC03M9	MCY1001J045PH4	MCY1002HAZJ
KA3NBP6	KA4DBLP1G	KPC03M9	MCY1001J100H13	MCY1002HAZPH4
KA3NFLP1	KA4DBLP6	KV1PFAPV2	MCY1001J100J	MCY1002J012H13
KA3NFLP6	KA4DFLP1	KV1PFAPV8	MCY1001J200PH4	MCY1002J025J
KA3NFP1	KA4DFLP16G	MCY1001A010J	MCY1001J200PJ	MCY1002J045H13
KA3NFP16	KA4DFLP1G	MCY1001A015J	MCY1001J700H13	MCY1002J700H13
KA3NFP1G	KA4DFLP6	MCY1001A030J	MCY1001J700J	MCY1002NAPH4
KA3NFP6	KA4DFLP6G	MCY1001A050H2	MCY1001NAPH4	MCY1002NAZEH13
KA3NFP6G	KA4DJLP16G	MCY1001A050H4	MCY1001NAPY1H2	MCY1002NBPH4
KA3NFZP1	KA4DJLP1G	MCY1001A050J	MCY1001NAPY1H4	MCY1002NBZEH13
KA3NFZP16	KA4DJLP6G	MCY1001A100H2	MCY1001NAZEH13	MCY1002U010ZH13
KA3NFZP16G	KA4J006P1	MCY1001A100J	MCY1001NBPH4	MCY1002U100ZH13
KA3NFZP1G	KA4J012P1	MCY1001A200J	MCY1001NBZEH13	MCY1002U2-20ZH13
KA3NFZP5	KA4J060P1G	MCY1001A400J	MCY1001NBZPH4	MCY1002U2-20ZJ
KA3NFZP6	KA4J100P1	MCY1001DCH13	MCY1001NIZEH13	MCY1002U6-40ZH13
KA3NLP1	KA4NFP1	MCY1001DCH4	MCY1001U010ZH13	MCY1003A010J
KA3NLP6	KA4NFP16G	MCY1001DCPH2	MCY1001U010ZH2	MCY1003A030J
KA3NLZP1	KA4NFP16SLS	MCY1001DCPH4	MCY1001U010ZJ	MCY1003A050J
KA3NNP16G	KA4NFP6	MCY1001DEH13	MCY1001U030ZH13	MCY1003A100J
KA3NNP1G	KA4NFP6G	MCY1001DEPH13	MCY1001U100ZH13	MCY1003A200J
KA3NTP1	KA4NFZP1	MCY1001DGPH4	MCY1001U200ZH13	MCY1003A900J
KA3NTP16G	KA4NFZP16	MCY1001HAZM	MCY1001U2-20ZH13	MCY1003J012H13

Part Number	Part Number	Part Number	Part Number	Part Number
MCY1003J100PJ	MCY2230V002PVJ	MCY4440V002PVH4	MCY4463PFRPH4	NP6DJLP1S
MCY1003U010ZH13	MCY3330DFLPH4	MCY4440V002PVJ	MCY4463PFRPJ	NP6EBVP1G
MCY1003U030ZH13	MCY3330NFPH4	MCY4463DCPH4	MCY4463PFRPJ24	NP6EBVP1S
MCY1003U2-20ZH13	MCY3330NFZPH4	MCY4463DFLPH4	MCY4463PFRPVH4	NP6EKVP16G
MCY1004A400J	MCY3330PFRPH4	MCY4463DFLPJ	MCY4463PFRWH4	NP6EKVP16S
MCY1004U010ZH13	MCY4440DBLPH4	MCY4463J006PH4	MCY4463U2-20ZH4	NP6EKVP1G
MCY1004U6-40ZH13	MCY4440DFLPH4	MCY4463J012H4	MCY4463U6-40ZH13	NP6EKVP1GA
MCY1110DFLPH4	MCY4440DJLPH4	MCY4463J012J	MCY4463U6-40ZH4	NP6EKVP1S
MCY1110DFLPH424	MCY4440EAVPH4	MCY4463J012PH4	NP692DP1G	NP6EKVP6G
MCY1110DJLPH4	MCY4440EKVPH4	MCY4463J012PJ	NP692DP6G	NP6EKVP6S
MCY1110J060PH4	MCY4440EKVPJ	MCY4463J025H4	NP6A015P1G	NP6EP1G
MCY1110NFPH4	MCY4440FSDWH4	MCY4463J025J	NP6A030P1G	NP6HAZP1
MCY1110NFZPH4	MCY4440J012PH4	MCY4463J025PH4	NP6A030P6G	NP6HAZP1G
MCY1110NRLPH4	MCY4440J012PH4NPL	MCY4463J045H	NP6A050P1G	NP6J006P1G
MCY1110PFRPH4	MCY4440J025PH4	MCY4463J045H4	NP6A050P6G	NP6J012P1G
MCY1110PFRWH4	MCY4440J045PH1	MCY4463J045PH4	NP6A100P1G	NP6J025P1G
MCY1110V002PVJ	MCY4440J045PH4	MCY4463J060H4	NP6A100P6G	NP6J045P1G
MCY2220DFLPH4	MCY4440J045PH4NPL	MCY4463J060PH4	NP6A200P1G	NP6J045P6G
MCY2220DFLPJ	MCY4440J060PH4	MCY4463J100H4	NP6A200P6G	NP6J100P1G
MCY2220J012PH4	MCY4440J100PH4	MCY4463J100PH4	NP6A400P1G	NP6J700P6G
MCY2220NFPH4	MCY4440J100PJ	MCY4463J200H4	NP6B0101	NP6LDV20P1G
MCY2220NFPH4NPL	MCY4440NFPH4	MCY4463J200PH4	NP6B0106	NP6LPRTP1
MCY2220NFZPH4	MCY4440NFZPH4	MCY4463J400H4	NP6B0201	NP6LUDV20P1G
MCY2220V002PVH4	MCY4440NFZPJ	MCY4463J400PH4	NP6DBLP1G	NP6LUDV50P1G
MCY2220V002PVJ	MCY4440NLPH4	MCY4463J700H4	NP6DBLP1S	NP6LUEDFP16G
MCY2230J012JNPL	MCY4440NRLPH4	MCY4463NAPH4	NP6DBLP6G	NP6LUPRMP1G
MCY2230J045JNPL	MCY4440PFRPH	MCY4463NBPH4	NP6DFLP16G	NP6LUPRMP1S
MCY2230J100J	MCY4440PFRPH1	MCY4463NFPH4	NP6DFLP16S	NP6LUSV4P1
MCY2230J200J	MCY4440PFRPH4	MCY4463NFZPH4	NP6DFLP1G	NP6MSTGEP1
MCY2230PFRPH4	MCY4440PFRPH4	MCY4463NRPH4	NP6DFLP1S	NP6MSTGQP1
MCY2230PFRPJ	MCY4440PFRPH4MR	MCY4463NRPY1J	NP6DFLP6G	NP6MSTGSP1
MCY2230PFRWH4	MCY4440PFRPJ	MCY4463NXPH4	NP6DJLP16G	NP6NAZP1G
MCY2230V002PVH4	MCY4440U010ZPH4	MCY4463PFRPH	NP6DJLP1G	NP6NBLP1

Part Number	Part Number	Part Number	Part Number	Part Number
NP6NBP1G	NP6PDK111	NP6UECVP6S	NP7EKVP1S	NP7PDK111
NP6NFLP1G	NP6PDK111	NP6UEDFP1	NP7EKVP6G	NP7PDK51
NP6NFP16G	NP6PDK51	NP6UEDFP16G	NP7EKVP6S	NP7PDK56
NP6NFP16GSLS	NP6PDK56	NP6UEDFP1G	NP7EP1G	NP7PDP81
NP6NFP16S	NP6PDK56	NP6UEDFP1S	NP7J012P1G	NP7PDP86
NP6NFP1G	NP6PDK71	NP6UEDFP6G	NP7J045P1G	NP7PEK11
NP6NFP1S	NP6PDL31	NP6UEDTP1G	NP7J100P1G	NP7PEKM1
NP6NFP6G	NP6PDP81	NP6UEDTP1S	NP7J200P1G	NP7PEKS1
NP6NFZP16G	NP6PDP86	NP6UUAP1G	NP7LDV20P1G	NP7PFRP1
NP6NFZP1G	NP6PEK11	NP6UUAP6G	NP7LPRTP1	NP7PFRP1
NP6NLP16G	NP6PEKS1	NP6UY045P1G	NP7LUEDFP16G	NP7TPC86
NP6NTP6	NP6PEKX1	NP6V1001	NP7LUPRMP1S	NP7U2-20ZP1G
NP6NXP1G	NP6PFAP1	NP6V1006	NP7LUSV4P1	NP7UBP1G
NP6P0501	NP6PFRP1	NP6Y005P1G	NP7MSTGEP1	NP7UBP6G
NP6P0506	NP6TPC86	NP6Y005P6G	NP7MSTGEP1	NP7UDV20P1
NP6P1001	NP6U010ZP16G	NP6Y050P1G	NP7MSTGQP1	NP7UDV20P1G
NP6P1006	NP6U010ZP1G	NP6Y050P6G	NP7MSTGSP1	NP7UEAVP1
NP6P2001	NP6U2-20ZP1G	NP6Y150P16G	NP7NAP1S	NP7UEAVP1G
NP6P2006	NP6U2-20ZP6G	NP6Y900P6G	NP7NBP1G	NP7UEAVP1S
NP6P2501	NP6U6-40ZP1	NP792DP6G	NP7NBP6G	NP7UECVP1G
NP6P2506	NP6UBP16G	NP7A015P1G	NP7NFP16G	NP7UECVP1S
NP6P7001	NP6UBP1G	NP7B0106	NP7NFP1G	NP7UEDFP1G
NP6P7006	NP6UBP6G	NP7B0201	NP7NFP1S	NP7UEDFP6G
NP6P9001	NP6UDV20P1	NP7DBLP1G	NP7P1001	NP7UEDTP1G
NP6PDC16	NP6UEAVP16G	NP7DFLP16G	NP7P1500P1	NP7V1001
NP6PDD11	NP6UEAVP1G	NP7DFLP1G	NP7P2001	NP7Y005P1G
NP6PDD16	NP6UEAVP1S	NP7DFLP1S	NP7P9006	NP7Y005P6G
NP6PDE11	NP6UEAVP6G	NP7DFLP6G	NP7PDAX1	NP7Y050BP1G
NP6PDE21	NP6UEAVP6S	NP7DFLP6S	NP7PDC11	NP83600P1G
NP6PDE26	NP6UECVP16G	NP7DJLP1G	NP7PDD11	NP8A030P6G
NP6PDG41	NP6UECVP1G	NP7EBVP1G	NP7PDE21	NP8A030P6S
NP6PDH41	NP6UECVP1S	NP7EKVP16G	NP7PDG41	NP8A050P1G
NP6PDH46	NP6UECVP6G	NP7EKVP1G	NP7PDH41	NP8A100P1G

Part Number	Part Number	Part Number	Part Number	Part Number
NP8B0101	NP8PFRP1A	NT6EKVP1G	NT6UECVP1G	NT7NBP1G
NP8B0201	NP8UBP1G	NT6EKVP1S	NT6UECVP1S	NT7NFP1G
NP8DBLP1G	NP8UBP6G	NT6HAZP1G	NT6UEDFP1G	NT7NFZP1G
NP8DFLP1G	NP8UDV20P1	NT6J060P9G	NT6UEDFP1S	NT7NFZP1S
NP8DJLP16G	NP8UEAVP1	NT6J400P1G	NT6UEDTP1G	NT7NGZ01P1GA
NP8DJLP1G	NP8UEAVP16G	NT6MSTGQP1	NT6UEDTP1S	NT7NRP1G
NP8DVDP1G	NP8UEAVP1G	NT6NBP1G	NT6UPRMP1S	NT7NTP1
NP8EKVP16S	NP8UEAVP1S	NT6NFP1G	NT6USV4P1	NT7P0501
NP8EKVP1G	NP8UECVP1G	NT6NFP1S	NT6Y005P1G	NT7P1001
NP8EKVP1S	NP8UECVP1S	NT6NFZP1G	NT6Y005P1S	NT7PEK11
NP8EKVP6G	NP8UECVP6S	NT6NFZP1S	NT6Y010P1G	NT7PEKS1
NP8EKVP6S	NP8UEDFP1G	NT6NLP1G	NT6Y050P1G	NT7U010ZP1G
NP8HAZP1G	NP8UEDFP1S	NT6NLZP1H1G	NT6Y050P1S	NT7U2-20ZP1G
NP8J012P1G	NP8UEDFP6G	NT6NTP1	NT6Y100P1G	NT7UB1H1G
NP8J012P1S	NP8UUAP1G	NT6NXP1G	NT7A015P1G	NT7UBP1G
NP8LDBLP1S	NP8V1001	NT6P0501	NT7A050P1G	NT7UBP1S
NP8LDV20P1G	NP8V1006	NT6P1001	NT7A100P1G	NT7UDV20P1G
NP8LDV20P1S	NP8Y003P1G	NT6P9001	NT7A200P1G	NT7UDV50P1B1G
NP8LUDV20P1G	NP8Y005P1G	NT6PDC11	NT7A400P1G	NT7UEAVP1G
NP8MSTGEP1	NP8Y005P1G	NT6PDD11	NT7DBLP1G	NT7UEAVP1S
NP8MSTGQP1	NP8Y100P6G	NT6PDE21	NT7DBLP1S	NT7UECVP1G
NP8P0501	NT6A030P1G	NT6PDH41	NT7DFLP1G	NT7UECVP1S
NP8P7006	NT6A050P1G	NT6PFRP1	NT7DFLP1S	NT7UEDFP1G
NP8PDD11	NT6A200P1G	NT6PRTP1	NT7DJLP1G	NT7UEDTP1G
NP8PDE21	NT6A400P1G	NT6U010ZP1S	NT7EBVP1G	NT7UEDTP1S
NP8PDH41	NT6DBLP1G	NT6U2-20ZP1G	NT7EKVP1B1G	NT7UPRMP1G
NP8PDH46	NT6DFLP19G	NT6UBP1G	NT7EKVP1G	NT7UUA1H1G
NP8PDK111	NT6DFLP1G	NT6UBP1S	NT7EKVP1S	NT7UUAP1G
NP8PDK51	NT6DFLP1S	NT6UDV20P1G	NT7J025P1G	NT7UUAP1GA
NP8PDK56	NT6DJLP1G	NT6UDV50P1B1S	NT7J100P1G	NT7Y005P1G
NP8PDP86	NT6DJLP1S	NT6UDV50P1G	NT7J400P1G	NT7Y010P1G
NP8PEKS1	NT6DV20P1G	NT6UEAVP1G	NT7NAP1G	NT7Y0501H1G
NP8PFRP1	NT6EKVP1B1G	NT6UEAVP1S	NT7NAZP1G	NT7Y050P1S

Part Number	Part Number	Part Number	Part Number	Part Number
NT7Y100P1G	NT8U010ZP1G	PSC1G08-GAM	R2F700	RM1F100W
NT8A015P1G	NT8U010ZP1S	PSC1G10	R2F900	RM1F1200H21
NT8A030P1S	NT8UB1H1G	PSC1G10	R39F100	RM1F200H21
NT8A050P1G	NT8UBP1B1G	PSC1G10-GAM	R3F020	RM1F200W
NT8A100P1G	NT8UDV20P1	PSC1G11	R3F030	RM1F400H21
NT8DBLP1G	NT8UDV20P1G	PUY1A015J	R3F050	RM1F700H21
NT8DBLP9G	NT8UEAVP1	R05F030	R3F070	RM2F005H21
NT8DFLP1G	NT8UEAVP1A	R09F900	R3F100	RM2F005W
NT8DFLP1S	NT8UEAVP1G	R1F005	R3F100W	RM2F010H21
NT8DJLP1G	NT8UEAVP1S	R1F010	R3F200	RM2F020H21
NT8DJLP1GA	NT8UECVP1G	R1F030	R3F400	RM2F030H21
NT8DJLP1H9G	NT8UECVP1S	R1F050	R3F700	RM2F050H21
NT8DJLP1S	NT8UEDFP1A	R1F100	R3F900	RM2F100H21
NT8DV20P1G	NT8UEDFP1G	R1F100W	R4F050	RM2F100W
NT8DVDP1G	NT8UEDFP1S	R1F1200	R4F100	RM2F150H21
NT8EKVP1B1G	NT8UEDTP1G	R1F150	R4F200	RM2F200H21
NT8EKVP1G	NT8UUAP1G	R1F200	R4F400	RM2F400H21
NT8EKVP1S	NT8UUAP1GA	R1F300	R4F700	RM2F700H21
NT8EP1G	NT8UY045P1G	R1F400	RGN1FN050	RM3F010H21
NT8HAZP1G	NT8Y005P1G	R1F700	RGN1FN100	RM3F030H21
NT8J045P1G	NT8Y005P1GA	R1F900	RGN1FN200	RM3F050H21
NT8J100P1G	NT8Y005P1S	R2F005	RGN1FN200NPL	RM3F100H21
NT8NAP1S	NT8Y010P1G	R2F010	RGN1FN700	RM3F1200H21
NT8NFP1G	NT8Y050P1GA	R2F010W	RGN2FN050	RM3F200H21
NT8NFZP1G	NT8Y100P1G	R2F020	RGN2FN070	RM3F400H21
NT8NFZP1S	PSC1G05	R2F030	RGN2FN100	RM4F010H21
NT8NGZ01P1GA	PSC1G06	R2F050	RGN2FN200	RM4F050H21
NT8NLP1G	PSC1G06	R2F070	RGN3FN100	RM4F100H21
NT8NNP1SAV	PSC1G06-GAM	R2F100	RM1F010H21	SBF1DFLPH4
NT8NXP1G	PSC1G07	R2F150	RM1F030H21	SBF1DV50PH4
NT8PDE21	PSC1G07	R2F200	RM1F050H21	SBF1J012PH4
NT8PDK51	PSC1G07-GAM	R2F300	RM1F050W	SBF1J012PJ
NT8PFRP1	PSC1G08	R2F400	RM1F100H21	SBF1J045PH4

Part Number	Part Number	Part Number
SBF1J060PH4	SLK7002J012P	XT5MSTGQPM6
SBF1NFLPH4	SLK7002J025P	XT5MSTGQPM6
SBF1NFPH4	SLK7002J045P	YA71B3600A
SBF1NFPH4SL	SLK7002J060P	ZEA7934XC00
SBF1NFZPH4	SLK7002J100P	ZEA7934XX00
SBF1PFRPH4	SLK7002J200P	ZEA7934XX00NPL
SBF1PFRPJ	SLK7002NAP	
SBF1V002PVH4	SLK7002NAZP	
SBF1V002PVJ	SLK7002NBLP	
SKA3PFRP1	SLK7002NBP	
SLK7001DFLP	SLK7002NBZP	
SLK7001J012P	SLK7002NFP	
SLK7001J025P	SLK7002NFPSLS	
SLK7001J045P	SLK7002NFZP	
SLK7001J100P	SLK7002NKP	
SLK7001J200P	SLK7002NLP	
SLK7001NBLP	SLK7002NLZP	
SLK7001NBP	SLK7002NNP	
SLK7001NFP	SLK7002NNP	
SLK7001NFZP	SLK7002NNXZP	
SLK7001NLP	SLK7002NNZP	
SLK7001NLZP	SLK7002NRLP	
SLK7001NNP	SLK7002NRP	
SLK7001NRLP	SLK7002NRPY2	
SLK7001NRP	SLK7002NTP	
SLK7001NTP	SLK7002NTZP	
SLK7001NXP	SLK7002NXP	
SLK7001PFRP	SLK7002PFRP	
SLK7001U010ZP	SLK7002U010ZP	
SLK7001U2-20ZP	SLK7002U2-20ZP	
SLK7002DBLP	SLK7002U6-40ZP	
SLK7002DFLP	W103A050J	
SLK7002J006P	XRSV002PVG	