

MS31 Eco-Solvent Ink Technical Information Bulletin

Release Date	Bulletin No.	Model	Important
April 12, 2021	--	VJ-Series	<input checked="" type="checkbox"/>
Maintenance/Parts	Preventive Action Report No.	Title	
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SWITCHING TO ECO-SOLVENT VJ-MS31 INK

VJ-MSINK3A (hereinafter Eco-Solvent) inks will be discontinued shortly and VJ-MS31 (hereinafter MS31) inks will be released. This bulletin is to inform you about some points to consider when switching inks.

Background

MS31 ink reacts with the liquid remaining in the head and causes clogging of the print head. To avoid this problem, a special cleaning process has been added in the production line of the ValueJet printer series in February 2021.

You should be careful when using MS31 ink for the first time on new products manufactured before January 2021.

Please refer to "The procedure when introducing MS31 ink > "B" unused product /produced before January 2021."

In case of replacing the print head when using MS31 ink, it is necessary to purchase a maintenance print head that is produced with a special cleaning process.

Please refer to "About maintenance parts > Print head."

MS31 Ink Applicable Model List

Models in production

Model	Already in use with Eco-Ultra	Unused product produced before January 2021	Unused product produced after February 2021
VJ-628	A	B	C (*1) HH1U001702~
VJ-1324X	A	B	C (*1) HT5U001630~
VJ-1324XS	A	B	C (*1) IR5S000511~
VJ-2638X	A	B	C (*1) HXAU000298~

(*1): The "C" product has a purple round tack label on the upper left of the tag so that it can be identified at the packaging state.

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MS31 Ink Applicable Models

Discontinued models

Model	Already in use with Eco-Ultra	Unused product produced before January 2021	Unused product produced after February 2021
VJ-628X	A	B	Discontinued
VJ-1624X	A	B	Discontinued
VJ-1628X	A	B	Discontinued
VJ-1638X	A	B	Discontinued
VJ-1324	A	B	Discontinued
VJ-1624	A	B	Discontinued
VJ-1638	A	B	Discontinued
VJ-2638	A	B	Discontinued
Other than the above	Unusable (*2)	Unusable (*2)	Discontinued

(*2): As the maintenance support period of the product has already expired, there are no maintenance print heads available for MS31 ink. Please do not use MS31 ink because the head cannot be replaced even if the print head fails.

Procedure when introducing MS31 ink

"A" Already in use with Eco-Ultra

MS31 ink can be used immediately after Eco-Ultra becomes empty because both inks can be used in mixture. There is no need to discharge ink or clean the ink route. Additionally, there is no need to update the firmware because the smart chip information of the ink cartridge is compatible.

"B" Unused product/produced before January 2021

MS31 ink reacts with the liquid remaining in the head and causes clogging of the print head.

Before using MS31 ink, perform an initial cleaning with Cleaning Fluid 11476-0001 as usual and then use one Eco-Ultra 220ml cartridge for each color. After charging the Eco-Ultra ink, please perform a short cleaning 5 times in a row to let it penetrate fully. The MS31 ink drains the liquid remaining in the machine and you can safely switch to the MS31 ink. Please refer to "A" for the procedure when switching.

"C" Unused product/produced after February 2021

MS31 ink can be used from the initial charging on the products with the serial numbers onward listed in the model list. Please proceed according to the Startup Guide.

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Maintenance parts

Print head

When using MS31 ink, please use the print head with a special cleaning process.

Model	5540 Print Head	I9472 Print Head
VJ-628	DG-43988 →DG-49580 (*3)	DH-40274 (v1.09~) (*4)
VJ-628X	DG-43988 →DG-49580 (*3)	DH-40274 (v1.02~) (*4)
VJ-1628X	DG-43988 →DG-49580 (*3)	DH-40274 (v1.03~) (*4)
VJ-1324	DG-43988 →DG-49580 (*3)	DH-40274 (v3.09~) (*4)
VJ-1324X	DG-43988 →DG-49580 (*3)	DH-40274 (v3.07~) (*4)
VJ-1624	DG-43988 →DG-49580 (*3)	DH-40274 (v3.09~) (*4)
VJ-1624X	DG-43988 →DG-49580 (*3)	DH-40274 (v3.07~) (*4)
VJ-1638	DG-43345 →DG-49581 (*3)	DH-40275 (v3.18~) (*4)
VJ-1638X	DG-43345 →DG-49581 (*3)	DH-40275 (v3.17~) (*4)
VJ-2638	DG-43345 →DG-49581 (*3)	DH-40275 (v3.18~) (*4)
VJ-2638X	DG-43345 →DG-49581 (*3)	DH-40275 (v3.17~) (*4)

(*3): For sale until out of stock. If out of stock purchase the I9472 print head.

(*4): Check the firmware version of the machine before replacing the head. Update the firmware to the latest version if necessary.

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Maintenance parts

Periodic maintenance kit

As MS31 ink has improved drying properties, the waste ink may solidify in the waste ink tube depending on the usage environment, and the tube may become clogged. The waste ink tube has been added to the periodic maintenance kit starting with the February 2021 production cycle.

If you use the periodic maintenance kit produced before January 2021, please purchase an additional waste ink tube.

Model	Periodic Maintenance Kit	Waste Ink Tube
VJ-628	DG-44737 VJ628 Periodic Maintenance Kit	DH-40676 Waste Ink Tube Assembly
VJ-628X	DG-44737 VJ628 Periodic Maintenance Kit	DH-40676 Waste Ink Tube Assembly
VJ-1628X	DG-45561 VJ1628 Periodic Maintenance Kit	DH-40675 Waste Ink Tube Assembly
VJ-1324	DG-42986 VJ1324 Periodic Maintenance Kit	DH-40677 Waste Ink Tube Assembly
VJ-1324X	DG-42986 VJ1324 Periodic Maintenance Kit	DH-40677 Waste Ink Tube Assembly
VJ-1624	DG-41555 VJ1614 Periodic Maintenance Kit	DH-40675 Waste Ink Tube Assembly
VJ-1624X	DG-41555 VJ1614 Periodic Maintenance Kit	DH-40675 Waste Ink Tube Assembly
VJ-1638 (*5)	DG-43499 VJ1638 Periodic Maintenance Kit	DH-40674 Waste Ink Tube Assembly
VJ-1638X	DG-44062 VJ2638 Periodic Maintenance Kit	DH-40674 Waste Ink Tube Assembly
VJ-2638	DG-44062 VJ2638 Periodic Maintenance Kit	DH-40674 Waste Ink Tube Assembly
VJ-2638X	DG-44062 VJ2638 Periodic Maintenance Kit	DH-40674 Waste Ink Tube Assembly

(*5): Because the maintenance support period has expired, the kit does not include a waste ink tube (DH-40674). Please purchase as needed.

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