

**Installation Instructions for TPE CC2021CRS HP COLOR LASERJET PRO
M452/MFP M477 'X' TONER HOPPER 125 GRMS FILL(WITH SEAL)**

**OEM HP COLOR LASERJET PRO M452/MFP M477
(CF410A-CF413A or CF410X-CF413X) Cartridge**



**T.P.E. CC2021CRS HP COLOR LASERJET PRO
M452/MFP M477 'X' TONER HOPPER 125 GRMS FILL
(WITH SEAL)**



T.P.E. CC2021CRS HP COLOR LASERJET PRO M452/MFP M477 'X' TONER HOPPER 125 GRMS FILL (WITH SEAL) includes the following:

1. HP COLOR LASERJET PRO M452/MFP M477 Toner Hopper. This includes a Clear Seal and Exit Port Plug. All sealing foams and Developer Roller Sealing Blade are pre-installed.
2. Conductive Pin.
3. Screws for Contact Side Stabilizer.
4. Fill Hole Seal.

If using the 'A' cartridge, the Triton Hopper will increase the capacity to greater than that of the OEM 'X' cartridge.

Conversion Procedures

Step 1

The photo shows a CC2021CRS HP COLOR LASERJET PRO M452/MFP M477 'X' TONER HOPPER 125 GRMS FILL (WITH SEAL). Fill hopper with toner and use the Fill Hole Seal to seal the fill hole as shown.

You need to disassemble and use the following parts from the OEM Toner Hopper either from the 'A' or 'X' cartridge:--

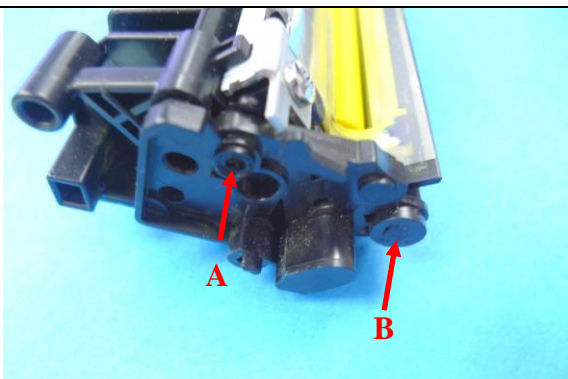
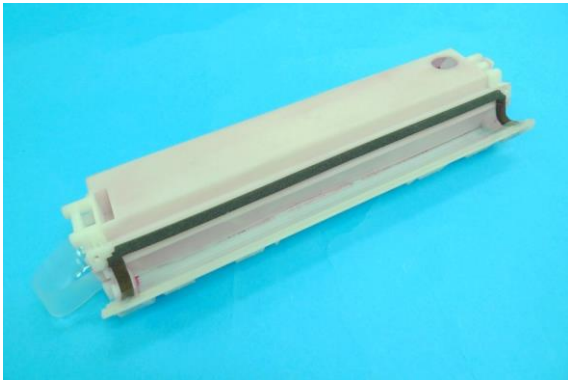
- | | |
|-------------------------------------|------------------------|
| 1.Inner Gear Side End Cap, | 8.Gear Set, |
| 2.Gear Side Stabilizer, | 9.Developer Roller, |
| 3.Contact Side Stabilizer, | 10.Toner Added Roller, |
| 4.Developer Roller Isolator, | 11.Doctor Blade, |
| 5.Developer Roller Bearings, | |
| 6.Toner Adder Roller Sealing Foams, | |
| 7.Developer Roller Drive Gears. | |

Carefully clean all components before re-using.

Step 2

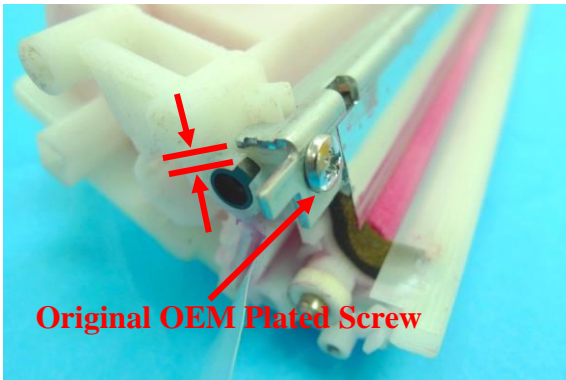
Disassembly the Contact Side Stabilizer from the OEM cartridge. It is welded on the OEM Toner Hopper by two points which are pointed out in the photo on the left.

Drill a 2.9mm diameter hole at Point A on the OEM Contact Side Stabilizer to remove the heat stake post.



	<p style="text-align: center;"><u>Step 3</u></p> <p>Then insert a flat screw driver between the Contact Side Stabilizer and Toner Hopper, and break the heat stake at Point B.</p> <p><u>Important</u> **Make sure you do not damage the Contact Side Stabilizer.</p>
	<p style="text-align: center;"><u>Step 4</u></p> <p>Remove the OEM Conductive Pin, if the pin is still remaining in the Contact Side Stabilizer, after removing the stabilizer from the OEM Toner Hopper.</p>
	<p><u>Important</u> **Make sure the 2.9mm diameter hole is drilled through the OEM Contact Side Stabilizer as shown in the photo.</p>
	<p style="text-align: center;"><u>Step 5</u></p> <p>Pull the TONER ADDED ROLLER over to the right side of the OEM COLOR LASERJET PRO M452/MFP M477 toner hopper to carefully compress the foam, as in the photo. Take out the TONER ADDED ROLLER from the left side. Make sure the adhesive under the compressed foam section is smooth.</p>
	<p style="text-align: center;"><u>Step 6</u></p> <p>Put the right side of the TONER ADDED ROLLER into the CC2021CRS Toner Hopper, then gently push it to compress the foam. Slide the left side into the hopper as in the photo above. Make sure the foam on the TONER ADDED ROLLER has returned to the normal position after installation.</p>

	<p><u>Step 7</u> Install the Toner Adder Roller Sealing Foams on both sides as shown in the photo.</p> <p><u>Important</u> ** If the Sealing Foams are damaged, replace with T.P.E. CC2000 HP COLOR LASERJET PRO M452/MFP M477/M252/MFP M277 TONER ADDER ROLLER SEALING FOAMS (1 SET, 2PCS).</p>
	<p><u>Step 8</u> Install the Conductive Pin which comes with the CC2021CRS Hopper on the Left side of the toner hopper as shown in the photo.</p> <p><u>Important</u> **Make sure the Conductive Pin you use is from the CC2021CRS. Do not use the OEM Conductive Pin as it is probably damaged.</p>
	<p><u>Step 9</u> Carefully place silicone glue on the Developer Roller End Felts and Doctor Blade Sealing Foam as shown in the photos.</p> <p><u>Important</u> **Make sure the silicone glue does not touch the Developer Roller.</p>
	<p><u>Step 10</u> Install the Doctor Blade onto the Hopper before the silicone glue has dried. This will make sure the silicone glue fills the space under between the doctor blade and sealing foams properly, as shown in the photos. Clean any excess glue after fitting the doctor blade.</p> <p><u>Important</u> **Make sure the silicone glue does not touch the Developer Roller.</p>



**** Use the original OEM plated screw, not a black screw.**

Step 11

Install the Doctor Blade onto the Hopper. Gap the blade to around 1.1mm. This 1.1mm is the gap measured from the OEM. T.P.E. have CC1749 CLEAR SQUARE SHIM 1.12MM/0.044" THICK INCLUDING ADHESIVE 5.08 X 5.08MM. Hold blade firmly in place and screw onto the hopper.

Important

**** Make sure you use the original OEM plated conductive screw to re-fix the doctor blade in place. Do not use a black screw.**

**** However different combinations of the OPC Drum and Toner, may require a slightly different gap. T.P.E. has a wide range of different thicknesses of the shims for remanufacturers.**



Step 12

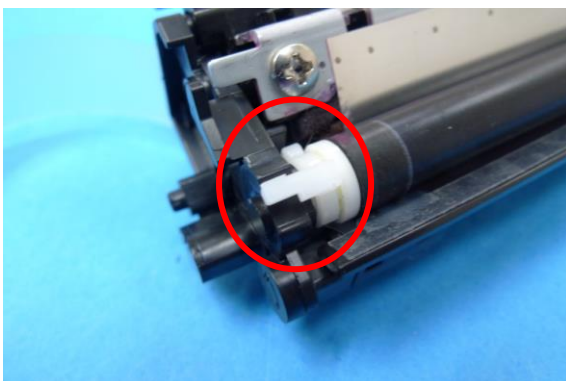
Place the Left and Right Developer Roller Bushing on each end of the Developer Roller.

Place the Developer Roller Isolator on the left end of the Developer Roller.

Place the Developer Roller into the hopper.

Important

****Do not place the Developer Roller Isolator on the Developer Roller if not using an OEM OPC Drum in the cartridge.**



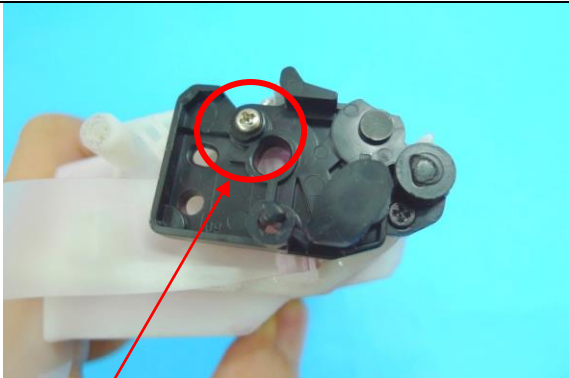
Step 13

Then install the Gear Side Stabilizer and Contact Side Stabilizer on the hopper.

Important

****Make sure the Developer Roller Isolator is in the locking position as shown in the photo.**

****Do not install the Developer Roller Isolator on the Developer Roller if not using the OEM OPC Drum. T.P.E. has the CC2017 HP COLOR LASERJET PRO M452/MFP M477/M252/MFP M277 UNIVERSAL DRUM COVER which also has a function to separate the Toner Hopper Section and Waste Section.**



****You must use the Plated Conductive Screw supplied with kit in this position otherwise the cartridge function will be affected.**

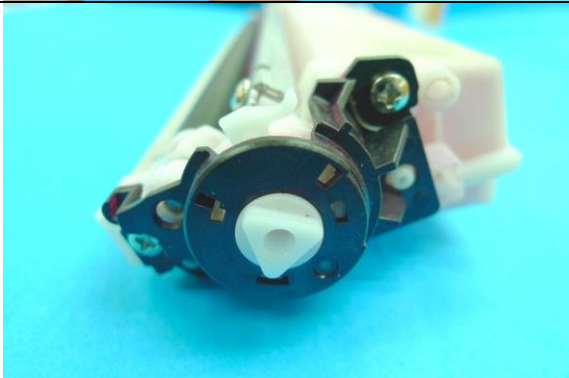
Step 14
Use the Screws which come with the T.P.E. CC2021CRS to tighten the Contact Side Stabilizer as shown in the photo.

Important
**** Make sure you use the Plated Conductive Screw from this Kit in the position shown. Do not use the Black Screw.**

****Make sure the tail of the Clear Seal comes out between the Contact Side Stabilizer and Toner Hopper as shown in the photo.**



Step 15
Use the Black Screws which come with the T.P.E. CC2021CRS to tighten the Contact Side Stabilizer as shown in the photo.



Step 16
Install the gear set in the Gear Side Stabilizer as shown in the photo.

Install the Inner Gear Side End Cap. Tighten the screw on the Inner Gear Side End Cap.

Assembly of the Triton Hopper is now complete.

Finish Cartridge showing where the pull seal exits.

