

Roland Vinyl Cutter Troubleshooting

START AND END POINTS DO NOT MATCH

NO	CHECKING POINT	ACTION	REFERENCE	OUTLINE
1	Blade Offset doesn't match with offset set in the machine	Match Offset	User's Manual	Blade used on the machine has offset and therefore, tip is shifted from its center. When the offset setting done on the machine doesn't match with the blade offset, offset correction won't be done. Therefore, the starting and ending points won't match because the direction of the blade slightly shifts from the correct direction.
2	Blade Holder is set loose on Carriage	Secure the Blade Holder	User's Manual	When blade holder is set loose on carriage, the blade tip becomes very shaky when cutting and results in distorted figure.
3	Blade tip is wearing out	Replace the Blade	User's Manual	When blade tip wears out, offset will be changed. Therefore, as same as 1, the starting and ending point won't match especially when cutting circles.
4	Scratch in Cutter Protection	Replace the Cutter Protection		Cutter Protection is where the blade lands for cutting. If there is scratch on the Cutter Protection, blade doesn't rotate smoothly and therefore, starting and ending point won't match.
5	Bearing inside Blade Holder doesn't rotate smoothly	Clean the Blade holder with turpentine or replace it.		There are bearings inside the blade holder. When the bearings don't rotate smoothly, direction of the blade slightly shifts from the correct direction and therefore, starting and ending points do not match.

STITCH CUT

NO	CHECKING POINT	ACTION	REFERENCE	OUTLINE
1	Blade tip is wearing out	Replace the Blade		When blade wears out, it will be caught by the vinyl and results in stitch cut.
2	Scratch in Cutter Protection	Replace the Cutter Protection		Cutter Protection is where the blade lands for cutting. If there is scratch in the Cutter Protection, blade is caught by the vinyl because it sticks deeper into the vinyl and results in stitch cut.
3	Bearing inside Blade Holder doesn't rotate smoothly	Clean the Blade holder with turpentine or replace it.		There are bearings inside the Blade Holder. When the bearings don't rotate smoothly, direction of the blade slightly shifts from the correct direction and therefore, it will be caught by the vinyl which results in stitch cut.