

Replacing a programmed EC fan is simple using individual components from Packard

Choose the base fan, the power harness and set the speed with the Nano programmer.



Base fan



Item ID	Connection	Length (in.)
ebmpapst		
EBM10847	Two Pin Right Angle Lyall Plug	17.7

Power Harness



Nano Programmer

Follow the more detailed directions on the backside for an easy field replacement.

Base fan



Step 1

Determine if the old fan is 115VAC or 230VAC and then measure the blade diameter to confirm if it is 200mm (7.8 inches) and choose the correct Packard base fan.

Tip – if the label is present on the fan, the original part number contains the diameter in millimeters. Example is W1G200-ECXX-XX. Choose the correct Packard base fan from the list. Note - Some fans are 172mm (6.7 inches) – call Packard for more information.

Power Harness



Item ID	Connection	Length (in.)
ebmpapst EBM10847	Two Pin Right Angle Lyall Plug	17.7

Step 2

Identify the correct power harness to match the existing harness.

Tip - It is best practice to replace the power harness when a fan is being replaced. Make sure it is fully inserted into the back of the motor and the non motor end is fully mated.

Step 3

Use the tool provided to remove the programming port and program the RPM of the new fan to the correct OEM set RPM for the application using the Nano Programmer following the specific instructions included with the Nano programmer.

Tip-if the RPM is not known, read the RPM on an adjacent working fan. Usually they are all set to the same speed in a display case. Remember to replace the programming port.

Nano Programmer





Cross reference information

Hill Phoenix –Existing part numbers

<u>ebm-papst P/N</u>	<u>Voltage</u>	<u>Hill Phoenix P/N, RPM, label color</u>	<u>Base Packard fan</u>	<u>Power Harness</u>
W1G200-EC91-56	1~115V	P094537A - 850 RPM / BLUE LABEL	EBM9538	EBM10847
W1G200-EC91-57	1~115V	P094539G - 1250 RPM / SILVER LABEL	EBM9538	EBM10847
W1G200-EC91-58	1~115V	P094536C - 650 RPM / ORANGE LABEL	EBM9538	EBM10847
W1G200-EC91-60	1~115V	P094538K - 1050 RPM / RED LABEL	EBM9538	EBM10847
W1G200-EC95-12	1~115V	P086931E - 1850 RPM / WHITE LABEL	EBM9538	EBM10847
W1G200-EC95-23	1~115V	P0810538B - 1800 RPM / WHITE LABEL	EBM9538	EBM10847
W1G200-EC95-43	1~115V	P094540D - 1550 RPM / YELLOW LABEL	EBM9538	EBM10847
W1G200-EC95-59	1~115V	P094541B - 1650 RPM / GREEN LABEL	EBM9538	EBM10847
W1G200-EC95-64	1~115V	P096521B - 2100 RPM / WHITE LABEL	EBM9538	EBM10847
W1G200-EC91-45	1~230V	2100 RPM	EBM9137	EBM10847
W1G200-EC95-12	1~115V	1850 RPM	EBM9538	EBM10847

Kysor Warren – Existing part numbers

Typically the ebm-papst part numbers are W1G200-E~~A~~XX-XX. These can be substituted with the Packard EBM9538 or EBM9137 based on voltage. The power harness is Packard EBM10910. RPM must be read off of the old fan or an adjacent fan.

Other manufacturers

Follow Steps 1 – 3 on the previous page to create the replacement fan from the Packard components.

NOTE- These cross references are for reference only. Confirm the fan diameter, voltage and programmed RPM by verification on the part being replaced since changes to RPM may have occurred in the field without changes to the OEM label.