

# Identifying the A907 Z-Motor Bundle

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## What is the A907?

The A907 Z-Motor Bundle consists of a new layout of the Z-motor electronics board, 14 pin FFC cable and Head Termination Board. It is a modification that was made to the hardware during early manufacturing of the “A” model machines near the beginning of 2007. Later “A” models were manufactured, sold & shipped with the A907 already installed. If your machine is a “B” or “C” series machine, it was manufactured with the new A907 design and you do not need the A907 upgrade.

**Anyone with an “A” series machine should know if they do or do not have the A907 upgrade.**

## How do I know if my “A” model machine needs the A907?

For the remaining “A” series machines, identification is best made by looking at your Head Termination Board, located on the back of the horizontal Y railing and compare it to the board versions seen in the picture below. The old 18-pin FFC cable (indicated with >) is not available and LHR only sells the 14 pin FFC cable. The new board also has “locks” (spring clip connectors) on the two larger ribbon cable connectors. The old board does not have these “locks”.

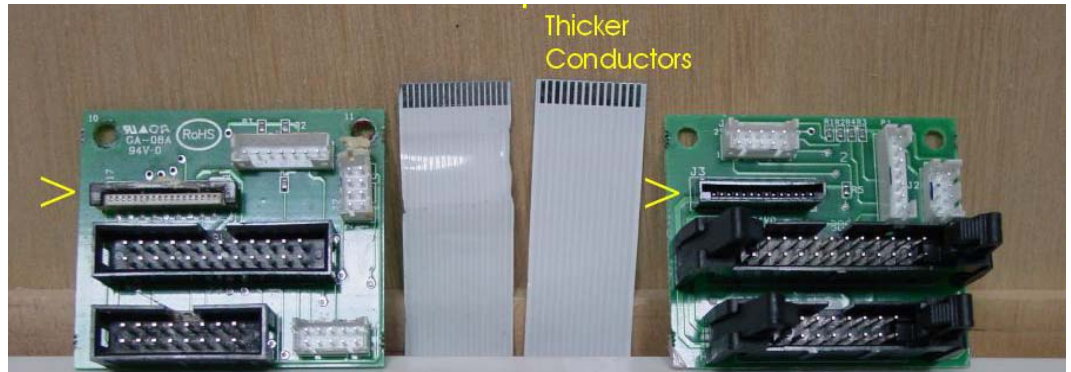


Figure 1 - Old Head Termination Board (left); New Head Termination Board (right)

## Do I have to upgrade it?

There are still machines running just fine that have not had the A907 upgrade, just as there are Beta machines still in operation. However, should you ever need to replace the Head Termination Board, Z-motor, FFC cable, or if you want to be able to use a Scanning Probe in a new Z-truck, or upgrade to the CarveTight Spindle, you will need the A907 upgrade.

**WARNING: PLUGGING A 14-PIN FFC CABLE INTO AN 18-PIN CONNECTOR MAY CAUSE DAMAGE TO SOME OF YOUR MACHINE ELECTRONICS**

## What do I do if I don't have the A907 on my “A” model machine?

If you need or want the A907 upgrade on your machine, please call CarveWright Support at (713)473-6572 and order the A907 Z-Motor Bundle. It is not necessary to send the machine to LHR Technologies as customers can easily install it themselves. Detailed instructions can be found at [www.carvewright.com](http://www.carvewright.com) under “Support” and then “Maintenance”.