**EC-5 Checklist**

On each table, check the presence of:

An assembly of copper coil and voltage sensor attached to it

A stand to hold the assembly

A plastic tube containing a permanent bar magnet and a rubber stopper at the end

2 Voltage sensor cables

1 Driver coil

1 detector coil

One 100 ohm resistor

PASCO interface and Computer

A power amplifier and cable connecting it to PASCO interface

In the lab room, check the presence of:

4 aluminum pendulums

1 Permanent magnet with an adjustable gap

1 stand to suspend the aluminum pendulums

Power cables

Banana cables

On each table, check for functionality

The gap between the poles of the permanent magnet used in EC-5a can be adjusted

The stand for hold the aluminum pendulums can be tightly held in place and its height can be adjusted

The bar magnet used for EC-5b is not broken

The plastic tube is intact.

The height of the coil and sensor assembly can be adjusted and the assembly can be safely held in place

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The rubber stopper fits tightly in the plastic tube

Check that the voltage sensor of the assembly functions appropriately by logging 1 set of data

Check that the resistor does have a resistance of 100 ohms. Make the necessary connections for part EC-5d and log 1 set of data to ensure that the output ports of the solenoids are securely connected to the solenoids.

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