



December, 2010

Print 'n' Play Text

and Table of Results

On the Bench

by Shelly Hazard

The Gadget Company's Quality department has been very busy this week with a customer request. Their failure analysis group has been asked to process a large batch of parts that failed at the customer's site and to provide failure analysis reports to determine why the parts failed. So far, the parts that the failure analysis engineers have processed failed from a variety of reasons – anything from a simple bent pin to a bad solder connection on the printed circuit board. Determine the full name of each failure analysis engineer, the name of the printed circuit board that the problem was found on, and the specific problem found for each part.

1. Don, whose last name wasn't Nichols, didn't find the broken wire problem. Lewis found the problem on the daughter board but it wasn't a bent pin.
2. Wayne Collins didn't find a problem on the processor board. The problem on the mother board was a bad part.
3. The engineer whose last name was Garnet found the problem on the power board. Wayne didn't find the problem on the controller board.
4. Ryan's last name wasn't Hart. The bad connection problem was found by the engineer whose last name was Flume but it wasn't on the mother board.
5. The five engineers were Steve, the engineer whose last name was Hart, the one who found the problem on the mother board, the one who found the bent pin problem, and the engineer who found the problem on the processor board.
6. The bent pin problem was found by the engineer whose last name was Nichols. The solder short problem wasn't found by Steve.

First Name	Last Name	Name of Board	Problem



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	Collins	Flume	Garnet	Hart	Nichols	Controller	Daughter	Mother	Power	Processor	bad part	bad connection	bent pin	broken wire	solder short
Don															
Lewis															
Ryan															
Steve															
Wayne															
bad part															
bad connection															
bent pin															
broken wire															
solder short															
Controller															
Daughter															
Mother															
Power															
Processor															