Check for Masked Sensors & Cable Detects

Applies to

ThermoFlex

Background

Over time it is possible that a sensor may fail or a cable detect become faulty. The mask table in the MPE firmware provides a way to "mask" off these errors as a temporary fix.

When doing routine checks, it is desirable to reveal any of these hidden problems so that they can be properly remedied.

Tools and parts

- Diagnostic Terminal
- Parts as required to fix machine ailments

Steps

1. Reset the Recorder
2. Enter the `mask` command after boot-up
3. Make a list of all the items with a '*' next to them
4. Enter the `mask` command followed by `off` and then the list of numbers created in step 3 with a space between each.
   eg: >>`mask off 2 5 9 12 13 15`
5. Enter the command `nvs save status 1`
6. Enter the `mask` command again
7. Note which items have a '!' next to them
8. Troubleshoot the problems denoted by '!' one at a time in order. Use the firmware support pages to interpret the errors as they are reported on the screen.
9. Enter the command `set al`
10. Check that the following parameters are all set to 1, change if necessary

    Tii – Table is installed

    Tae – Table air enabled

    Tps – Table plate sensor

    Eii – Engine is installed
11. Perform a load to test the machines operation.
12. Resolve any errors that arise during the loading sequence.

Notes

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Date submitted 12 Aug 1999

Date modified 12 Aug 1999