

## CONVERTING A TS-EMS OR TS-550/5000 DISPENSER INTERFACE FROM WAYNE™ NUCLEUS TO GILBARCO™ PASSPORT

The following procedure explains how to change the dispenser interface connections and programming parameters when you convert a Point of Service (POS) system from Wayne™ Nucleus to Gilbarco™ Passport.

### Required parts:

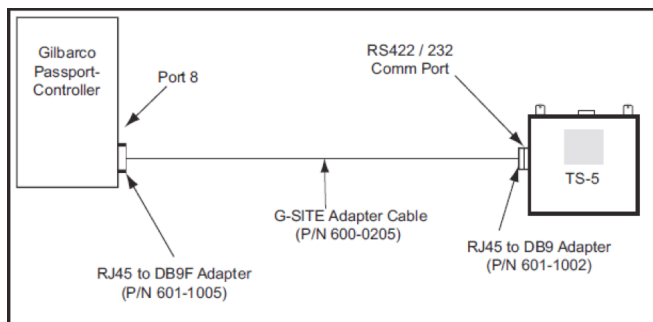
- Dongle cable (Gilbarco™ part number M09747B010)
- TSP - GSDCBL - Gilbarco™ GSite Cable Kit:
  - GSite cable (Gilbarco™ part number 600-0205)
  - RJ45 to DB9 adaptor (Gilbarco™ part number 601-1002)
  - Passport serial adaptor (Gilbarco™ part number 601-1005)

### Documentation resources:

- *TS-DIMIB Diagnostics* (FFS part # 000-0274, Rev. A)
- *Vapor Recovery Monitoring Installation, Operation, and Maintenance Manual* (FFS part # 000-2058, Rev. F)
- *Connecting a T5 Series FMS to a Gilbarco™ Passport* (FFS Technical Bulletin TB0313-09)

### Procedure:

1. Remove the current TS Dispenser Interface Module (TS-DIMIB) connection, and replace it with the cable and adaptors in the Gilbarco™ GSite Cable Kit.



2. Choose a port to connect to for sales data. (Use port 5 if it is available.) You use this to connect to the TS-DIMIB.
3. Use Gilbarco™ GSite Cable Kit to connect the RJ45 to DB9 adaptor (Gilbarco™ part number 601-1002) to the 422/232 port on the TS-EMS dispenser interface.
4. Connect the Passport serial adaptor (Gilbarco™ part number 601-1005) to the end of the dongle cable (Gilbarco™ part number M09747B010).
5. Connect the dongle cable to a port on the dispenser security hub (port 5 if available).
6. Configure the port for Gilbarco™ Passport according to the following settings:
  - a. EMC
  - b. Baud 1200
  - c. Data Bits - 7
  - d. Stop Bits - 1
  - e. Parity - even



7. Program TS-EMS DIM 1:

<b>Dispenser Interface</b>		
<b>Precision</b>	Volume Precision	2
	Dispenser Volume	Gross
	Modify Volume Units	No
<b>Grades</b>		
	Number of Grades	2
<b>Grade 1</b>	Name	Grade 1
<b>Grade 2</b>	Name	Grade 2
<b>Dispenser Interface Modules</b>		
<b>DIM 1</b>		
	Type	GSite
	Communication	RS232 Duplex
<b>Fueling Points</b>		
	Number of Fueling Points	2
<b>Fueling Point 1</b> Q C	Number of Hoses	2
<b>Hose 1</b>	Grade Association	Grade 1
	Position	0
<b>Hose 2</b>	Grade Association	Grade 2
	Position	0
<b>Fueling Point 2</b> Q C	Number of Hoses	2
<b>Hose 3</b>	Grade Association	Grade 1
	Position	0
<b>Hose 4</b>	Grade Association	Grade 2
	Position	0

- a. Set Number of Grades to 2 for sites that blend or 3 for sites that do not blend.
  - b. Set Type to GSite.
  - c. Set Communication to RS232/Duplex.
  - d. Set Number of Hoses to 2 for sites that blend or 3 for sites that do not blend.
  - e. Change the Position parameter to 0 for all hoses under the fueling point.
  - f. Save changes.
  - g. Turn off the power, and then turn it on.
  - h. Choose Edit in the upper right corner of the Setup screen, and then click Q under Fueling Point 1, and then follow the instructions to query the dispensers:
    - i. Make sure there is no other dispensing during the query.
    - ii. Make sure the attendant closes out each transaction for each grade queried.
    - iii. After a successful query, click C to copy the Position parameter to all fueling points.
    - iv. Save changes.
8. Verify the TS-DIMIB mapping according to the procedure in the *Vapor Recovery Monitoring Installation, Operation, and Maintenance Manual* (FFS part # 000-2058, Rev. F).

**NOTE:** For assistance, please contact John Covington at "covington@franklinfueling.com," +1 805 434 7329.