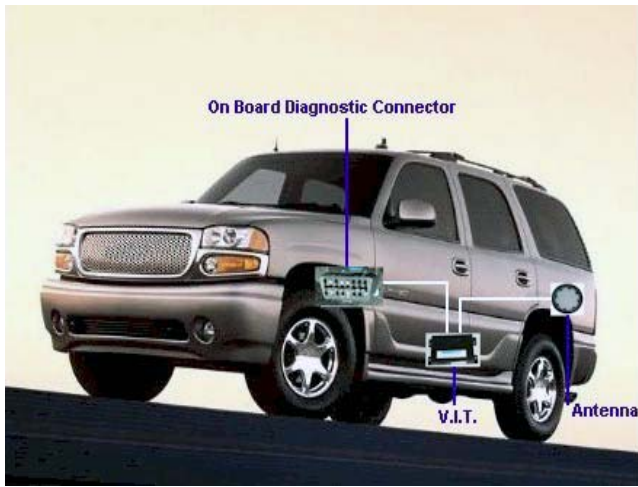


EJ Ward Announces Release of Ward CANceiver Data System

[June 18, 2004] The new CANceiver Data System by E. J. Ward, Inc. utilizes the latest technology, combining fleet fueling and vehicle diagnostic data retrieval into one operation. The Ward CANceiver unit scans the vehicle's on board diagnostic system (OBD) and uploads selected data each time the vehicle is fueled. Mileage figures scanned from the OBD system reflect the same mileage sent to the dashboard odometer and therefore eliminate mileage errors and any need for calibration. Other performance information contained in the OBD system can also be uploaded as part of the fueling transaction.

The following data may be gathered on each fueling transaction for a vehicle that has an E. J. Ward, Inc. CANceiver properly installed and assuming that the data is supplied by the vehicle manufacturer in question.



Installation is quick and simple. The Ward Fleet Data System has two leads, a plug-in lead to the OBD connector and another to the filler neck antenna that attaches to the tank filler neck. This eliminates splicing into wiring harnesses or other closed systems to obtain power and odometer values. Installation time is greatly reduced and intrusive warranty issues are eliminated.

Data	Description
Odometer	Current odometer reading from the vehicle computer
Ignition Count	Number of times the vehicle has been started (AKA key count)
Engine Time	Accumulated time of operation of the engine in three minute interval resolution
Maximum Speed	Maximum vehicle speed since last fueling
PTO Time	Accumulated time of operation of the power take off in three minute interval resolution
Total Fuel Consumed	Accumulated amount of fuel used during vehicle operation
PTO Fuel Consumed	Accumulated amount of fuel used while PTO is engaged
Average MPG	Average of instantaneous fuel economy
Maximum Engine RPM	Maximum engine RPM since last fueling
Maximum Engine Temp	Maximum engine coolant temperature since last fueling
Total Idle Time	Accumulated time of operation of the engine under idle conditions in three minute interval resolution
Stop Idle Time	Accumulated time of operation of the engine under stopped condition (at 0 miles per hour) in three minute interval resolution
Engine Oil Level	Ratio of current volume of engine sump to maximum required volume
Minimum Engine Oil Pressure	Minimum gage pressure of oil in lubrication system as provided by oil pump when engine running since last fueling in 0.5 lbf/in ² intervals
Minimum Charging Voltage	Minimum battery voltage when engine is running
Diagnostic Fault Code Total Count	Number of active and inactive diagnostic fault codes (0-15 max)
Diagnostic Summary	Indication of check engine light and monitor statuses
Diagnostic Trouble Code Strings	First six diagnostic trouble codes returned by the vehicle computer