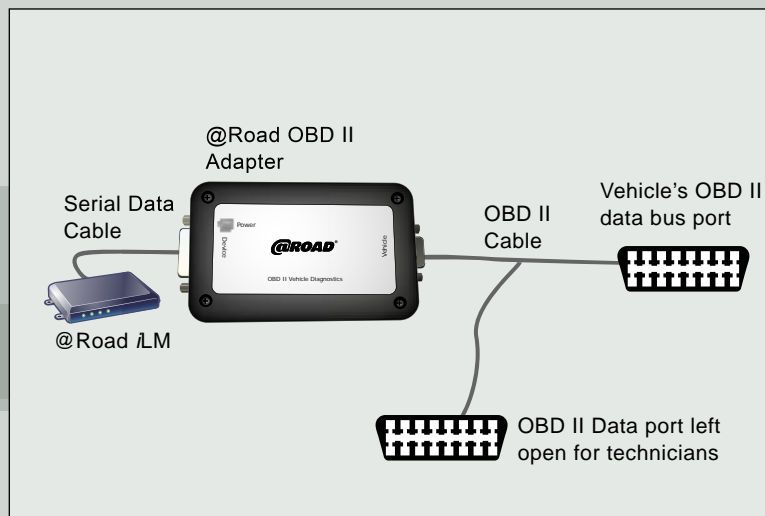


@Road OBD II Vehicle Diagnostics

Maximize the Efficiency of Your Fleet Operations

Fleet managers today need to run their operations with optimum efficiency, especially in the face of mission-critical challenges such as high fleet operations costs, recurring repairs and frequent vehicle downtime.

Designed for Class 1 to Class 5 light-duty vehicles, @Road OBD II Vehicle Diagnostics allows managers to remotely monitor vehicle performance, engine malfunctions and driver behavior to improve vehicle reliability and to reduce costs.



What is OBD II?

OBD II is a standard mandated by the Environmental Protection Agency (EPA) for emissions control of gasoline-powered vehicles. Developed by the Society of Automotive Engineers and adopted by the EPA and the California Air Resources Board, OBD II helps monitor parts of the chassis, body and accessory devices as well as the diagnostic control network of the car.

Experience the @Road Advantage

@Road OBD II Vehicle Diagnostics is an add-on feature to @Road GeoManager. It retrieves critical engine information from the vehicle's electronic control module and transmits this data through the @Road iLM. The manager or dispatcher can use this vehicle information to remotely monitor important

Reduce Repair, Maintenance and Operating Costs

Core benefits of @Road OBD II Vehicle Diagnostics:

- Optimized vehicle use
- Proactive preventive maintenance
- Reduced maintenance and repair costs
- Decreased vehicle and driver downtime
- Minimized time spent on SMOG compliance
- Increased and improved customer service
- Scheduled and exceptions (real-time) reports
- Potentially reduced operating and insurance costs
- Maximized vehicle warranty

How @Road OBD II Vehicle Diagnostics can help you keep your finger on the pulse of your fleet:

- Fault codes/fault description
- Driving time
- Idle duration
- Total trip duration
- Average speed
- Total stop count
- Start location
- End location
- Critical engine faults such as:
 - Low oil pressure
 - Very high coolant temperature
 - Sustained excessive engine speed



engine parameters for proactive intervention and prevention of downtime. Critical data on engine faults such as low oil pressure, very high coolant temperature and sustained excessive engine speed can be derived from Trip Detail Reports or Trip Summary Reports. Reports are provided in a daily summary, or in real time according to customized exceptions.

Trip Detail Report
 Trip Detail Report from 9/13/05 12:00 AM to 9/14/05 11:59 PM

Note:
 1. This report will display the entire trip details even if the entire trip does not fall within the report generation period
 2. - indicates trip events across multiple days
 3. # indicates odometer reading is calculated from GPS
 4. The Trip Duration value is rounded off to the nearest minute

Mobile Device : 4314 BUS TYPE: OBD-II VIN: -

Date / Time	Diagnostics Fault Description (Fault Duration)	Driving Duration (mins)	Idle Duration (mins)	Trip Duration	Trip Distance (miles)	Start Odometer	End Odometer	Average Speed (MPH)	Stop Count	Start Location (Address/City)
09/13/05 01:23:48 AM (EDT)	-	19	47	0H:06M	8.08	1789729	1789737	7.31	3	14250 SW 112TH ST
09/13/05 04:21:17 AM (EDT)	-	1	9	0H:10M	0	1789737	1789737	0	0	8728 SW 122ND TER
09/13/05 09:15:17 AM (EDT)	-	13	96	0H:30M	6.21	1789737	1789743	3.4	3	14250 SW 112TH ST
09/13/05 07:23:17 AM (EDT)	-	1	18	0H:17M	0	1789743	1789743	0	1	14250 SW 112TH ST
09/13/05 08:03:57 AM (EDT)	-	35	23	0H:58M	12.43	1789743	1789756	12.85	1	14250 SW 112TH ST
09/13/05 09:10:24 AM (EDT)	-	43	102	2H:20M	14.91	1789756	1789770	6.19	9	13307 SW 98TH CT
09/13/05 11:41:39 AM (EDT)	-	19	19	0H:38M	9.94	1789770	1789782	15.98	1	15237 S 60TH AVE
09/13/05 12:40:39 PM (EDT)	-	38	24	1H:02M	14.91	1789782	1789791	14.87	3	14250 SW 112TH ST
09/13/05 01:43:19 PM (EDT)	-	20	22	0H:42M	9.52	1789791	1789803	13.98	1	13939 SW 40TH ST
09/13/05 02:28:09 PM (EDT)	-	0	3	0H:04M	0.42	1789803	1789803	10.17	1	14250 SW 112TH ST
09/13/05 03:07:50 PM (EDT)	-	24	12	0H:36M	10.94	1789803	1789816	17.81	1	14250 SW 112TH ST
Day Total/Avg	-	211	372	0H:48M	96.98	1789729	1789816	8.93	23	
09/14/05 06:15:42 AM (EDT)	-	21	11	0H:32M	11.18	1789816	1789827	21.08	0	7637 SW 176TH ST
09/14/05 09:12:03 AM (EDT)	-	9	22	0H:31M	1.24	1789827	1789828	2.66	1	14250 SW 112TH ST
09/14/05 09:55:13 AM (EDT)	-	95	195	4H:50M	40.29	1789828	1789869	8.37	12	11111 SW 134TH AVE
09/14/05 02:57:24 PM (EDT)	-	1	2	0H:04M	0	1789869	1789869	0	0	14250 SW 112TH ST
Day Total/Avg	-	127	230	0H:59M	52.61	1789816	1789869	8.97	12	
Device Total/Avg	-	334	602	1H:48M	139.79	1789729	1789869	8.94	35	

Trip Detail Report shows vehicle data throughout the day.

Trip Summary Report
 Trip Summary Report from 9/9/05 12:00 AM to 9/12/05 11:59 PM

Note:
 1. Trip events across days are shown on a pro-rata basis
 2. Miles Per Gallon and Average Speed values are calculated for the entire trip
 3. The Trip Duration value is rounded off to the nearest minute

Mobile Device : 18 BUS TYPE: OBD-II VIN: 270494

Date	Diagnostics Fault Description (Fault Duration)	Driving Duration (mins)	Idle Duration (mins)	Trip Duration	Trip Distance (miles)	Start Odometer	End Odometer	Average Speed (MPH)	Stop Count
09/09/05 (CDT)	-	164	217	0H:22M	142.92	2	145	22.51	9
09/10/05 (CDT)	-	274	305	0H:37M	194.49	145	412	20.21	11
09/11/05 (CDT)	-	228	178	0H:45M	143.54	412	584	21.37	21
09/12/05 (CDT)	-	56	67	2H:03M	54.06	584	638	26.32	5
Device Total/Avg	-	722	767	2H:47M	535.01	2	638	21.99	46

* Precision of data may vary slightly due to GPS offset

Trip Summary Report shows averages at the end of the day.

Maximize Potential, Minimize Costs

@Road OBD II Vehicle Diagnostics is a sophisticated efficiency maximizer for the savvy fleet manager. It enables one to set exacting standards to achieve efficient operations across the entire fleet, leading to cost savings and improved ROI.

For new and existing @Road GeoManagerSM customers, @Road OBD II Vehicle Diagnostics is a valuable addition to @Road's array of Asset Management solutions. For managers of heavy vehicles, @Road also provides @Road J1708 Vehicle Diagnostics.



@Road, Inc. is a global provider of on-demand software solutions designed to automate the management of mobile resources and to optimize the service delivery automation process for customers across a variety of industries.

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