



Advanced Concepts Manufacturing, Inc.

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AUDIT TIRE SURVEY TOOL FCC CERTIFICATION

Name of the Equipment Under Test:
AUDIT Tire Survey Tools

Manufacturer and Applicant Company:
Advanced Concepts Manufacturing

Contact:
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Model Number:
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Description:
The AUDIT Tire Survey Tools consist of a Data Audit unit, an Air Audit Unit, and a Tread Audit unit. The Data Audit unit accepts vehicle data from a database on a personal computer via an RS-232 cable. It then allows the operator to inspect the tires on the downloaded vehicles. It can send a desired inflation pressure to the Air Audit unit, which will accept the desired pressure, send back the initial pressure, adjust the inflation pressure to the desired level, and then send a final pressure back to the Data Audit unit. The Data Audit unit and the Air Audit unit communicate via a 916.5 MHz on/off-keyed wireless radio link. The Data Audit unit also allows the operator to visually inspect the tire and select up to 4 visual inspection codes to describe the condition of the tire. It also allows the operator to measure the tire tread depth via the Tread Audit unit, which is attached to the Data Audit unit by a short cable. All of the inspection data is stored in battery-backed-up memory and can be uploaded to a personal computer via an RS-232 cable to update the database.