

90333

MOBILE DYNAMOMETER

This system was created to measure the torque, speed and horsepower of a refurbished large vehicle engine without the need for a fixed dynamometer station. The custom designed torque sensor featured ISO flanges to allow for direct connection to the existing driveshaft. The torque signal was transmitted using our digital FM telemetry system and combined with other signals from the vehicle for a complete mobile horsepower monitoring system. This package is also an excellent fit for monitoring the performance of refurbished engines used in propeller driven aircraft.

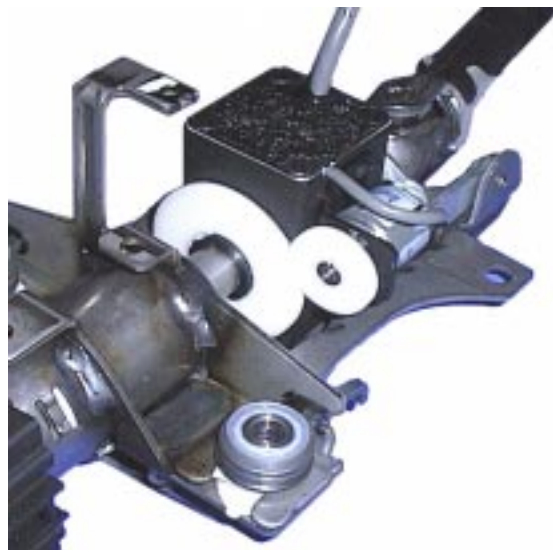


DWG

90366

INSTRUMENTED STEERING COLUMN

These types of projects feature our custom design and strain-gaging abilities in a single package. By using the existing vehicle steering column, we're able to turn the component into a torque/angle steering instrument. Once completed, the column is reinstalled back into the vehicle and is driven by the operator without any interference from add-on sensors or fixtures.



90346

STEERING DAQ BOX

This instrument is dedicated for use with the steering columns as shown above. It features three high level analog outputs for torque, rate, and angle. It also features user selectable low, medium, and high resolution ranges. An additional feature is the use of our Auto-ID system which allows the instrument to be used with multiple steering columns without the need to reprogram calibration factors.

