

Toyota Hilux Speed Sensor Ln106 Hilux Wiring Diagram

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Development of a Vehicle Speed Warning System
Digital Phase-locked-loop Speed Sensor for Accuracy Improvement in Analog Speed Controls
A New 3 Axis Current Speed Sensor for Measurements of Microstructure Velocities
Speed sensor qualification
Reliability Evaluation of a Wiegand Effect Wheel Speed Sensor
Fluid Rotary Speed Sensor
Opto-electronic Precision Speed Sensor for Hydro-electric Turbines - a Brief Description of a Sensing Device for Use in the Control of Power Surges on Long Transmission Lines
Lensless Magneto-optic Speed Sensor Andrew John Powell Ngo Chon Chet Arthur G. Birchenough T. Gytre L. A. Zeller Gary W. Johnson Werner H. Egli British Columbia Research Council

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master s thesis from the year 2005 in the subject engineering automotive engineering grade pass language english abstract the use of commercial road vehicles has grown with the recent rapid economic growth in the world but reckless speeding of these heavy vehicles often results in fatal accidents the vehicle speed warning system is designed and developed to monitor the vehicle speed and raise an alarm if the vehicle has exceeded the preset speed limit it consists of in vehicle subsystem which is fitted into the vehicle and peripheral interface subsystem connected to the host computer the system is designed using mc68hc11e9 micro controller it allows proper calibration of the in vehicle subsystem and offline data downloading the microcontroller based vehicle speed warning system has been designed and its application software has been developed the principal objective in designing this warning system is to present and demonstrate the basic concepts of in vehicle speed detection and wireless data setting and retrieving system which will serve as a base for future development of vehicle speed monitoring and tracking system

the patent describes a fluid rotary speed sensor having a concave cylindrical surface placed in close proximity to a rotating shaft and with a slight eccentricity so that the clearance between the shaft and the concave cylindrical surface varies as a function of circumferential angle hydrodynamic pumping causes a differential pressure between two suitably located taps in the concave surface this differential pressure is proportional to the shaft speed

lensless magneto optic speed sensor the construction of a viable faraday sensor has been achieved multimode fiber bundles are used to collect the light if coupled directly into a 100 or 200 μm core fiber light from a light emitting diode led is sufficient to operate the sensor in addition leds ensure that no birefringence effects in the input fiber are possible as the output from such light sources have random polarization no lens is required since the large diameter optical fibers and thin crystals of materials having high verdet constants such as iron garnets employed permit the collection of a substantial quantity of light no coupler is required the maximum amount of light which could reach a detector using a coupler is 25 while the measured throughput of the fiber optic bundle without a coupler is about 42 all of the elements employed in the present sensor are planar and no particular orientation of these elements is required the present sensor operates over a wide range of distances from magnetic field sources and observed signals are large when a tone wheel is utilized the signals are independent of wheel speed and the modulation is observed to be about 75 no sensitivity to bends in the input or output optical fiber leads was observed reliable operation was achieved down to zero frequency or no wheel rotation

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