

## VEHICLE SPEED LIMITING KIT KT411966

### Introduction

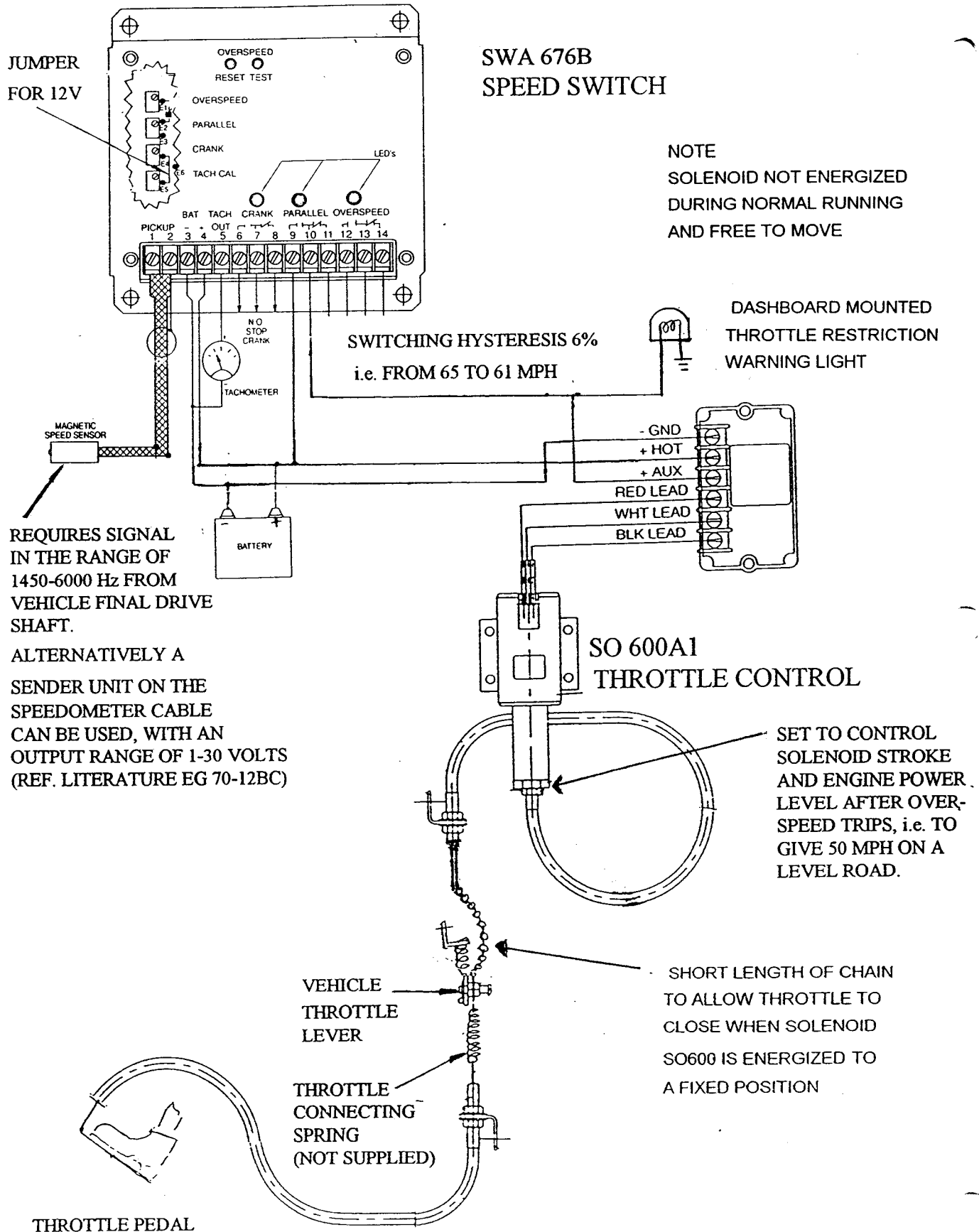
This kit is used to control the maximum engine throttle position as a function of vehicle speed. Once the maximum speed set for the vehicle has been exceeded the range of throttle opening is reduced to a predetermined value. The parts supplied are as follows:

Part Number	Literature
Throttle Control Kit SO 600	EG 70-15
Speed Switch SWA 676B	EG 70-12BC
Speed Sensor MP6750	EG 70-3A

The basic operating requirements and parameters are shown on System Schematic fig. 1  
The system operates as follows:

- (i) The throttle foot pedal cable connects to a new throttle spring instead of the throttle lever
- (ii) The other end of the throttle spring connects to the engine throttle lever. This pulls it in the increased throttle direction.
- (iii) The SO600 throttle control cable connects to a short length of chain.
- (iv) The other end of the chain connects to the engine throttle lever. This pulls it in the reduced throttle direction. When the solenoid SO600 is de-energized it slides freely. When energized it locks in the retracted position. The chain must be just long enough to allow the throttle to fully close when the solenoid is energized and the foot pedal is not depressed.
- (v) When the vehicle over speeds, the two position solenoid SO600 is energized by the SWA676B Speed Switch and restricts the maximum throttle travel to a lower setting. In doing this the throttle spring is extended.
- (vi) The stroke of the solenoid is adjustable. This is used to set the maximum throttle position when the solenoid is energized by the speed switch. This is normally set to a power level that will maintain the vehicle speed 15mph below the set speed. Upon the speed dropping below the set speed, the solenoid will be switched off and full power will be returned to the vehicle. The speed switch has hysteresis to prevent throttle flutter.

# VEHICLE SPEED LIMITING SYSTEM



SYSTEM SCHEMATIC