

iCONTROL SYSTEM

GENERAL

iControl™ (intelligent Control systems) provides an environment whereby the operator can control many systems while constantly maintaining a proper grip on the handlebar.

All iControl inputs are at the operator's finger tips. The operator's attention can thus remain focused on driving.

One such system is the intelligent throttle control system (iTC). This system provides improved response to operator inputs and increased maneuverability and control.

iTC (INTELLIGENT THROTTLE CONTROL)

The iTC system uses a throttle accelerator sensor (TAS) at the throttle lever to provide command signals to the ECM (Engine Control Module).

The throttle body in this system encompasses a throttle position sensor (TPS) and an electric throttle actuator (ETA). The two together are known as the electronic throttle control (ETC).

The ECM compares the TAS signal to the TPS signal and provides appropriate control signals to the ETA to regulate the butterfly valve position. With this system, there is no need for a traditional throttle cable.

The iTC also allows for various operating modes such as:

- Standard mode
- Sport mode
- ECO mode.

For a comprehensive description of this system, refer to *INTELLIGENT THROTTLE CONTROL (iTC)* subsection.