

ALL-TERRAIN VEHICLE SOLUTIONS

Advanced Sensing Technologies

Operator Controls

- Toggle and rocker switch
- Key and rotary switch
- Ruggedized throttle control
- Multifunction handlebar control
- Shifters and turn signals



Engine and Transmission

- Temperature probe
- Pressure sensor
- Pressure switch
- Speed and direction sensor
- Current sensor

Hydraulic/Pneumatic System

- Pressure switch
- Pressure sensor
- Temperature sensor

Wheels and Suspension

- Speed sensor
- Rotary position sensor
- TARS inertial measurement unit

Braking System

- Pressure switch
- Pressure sensor
- Magnetic IC

	Non-contact position sensing	Temperature sensing	Pressure switch	Pressure sensor	Speed and direction sensor	Key and rotary switch	Shifters and turn signals	Rotary position sensor	TARS-IMU	Toggle and rocker switch	Current sensor	Magnetics
Operator controls						✓	✓	✓		✓		
Wheels and suspension	✓				✓			✓	✓			✓
Braking system			✓	✓	✓			✓				✓
Hydraulics and pneumatics		✓	✓	✓								
Engine and transmission	✓	✓	✓	✓	✓						✓	✓

MACHINE OPERATION AND RELIABILITY

Application		Growth Factor	Primary Products	Secondary Products
Engine and transmission		Implementation of means to monitor and control engine operation and performance	Speed and direction sensor	- Temperature probe - Pressure sensor - Pressure switch - Current sensor
Hydraulics and pneumatics		Preventative maintenance routines to monitor effectiveness to ensure accuracy	- Pressure sensor - Pressure switch	Temperature sensor

OPERATIONAL PERFORMANCE AND SAFETY

Application		Growth Factor	Primary Products	Secondary Products
Braking system		Preventative maintenance routines to monitor effectiveness to ensure safety	Pressure sensor	Magnetic IC
Wheels and suspension system		Reliability of vehicle, safety of operator and passengers	- Position sensor - Speed sensor	Magnetic IC

FUNCTIONAL PERFORMANCE

Application		Growth Factor	Primary Products	Secondary Products
Operator controls		Reliable performance when exposed to vibration and shock in wet or dusty environments	Key switches	- Custom switches - Multifunction handle bars - Shifters and turn signals

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