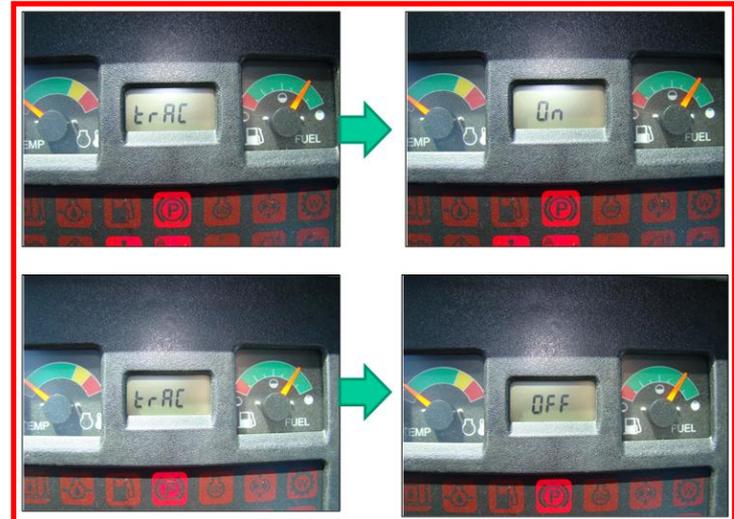
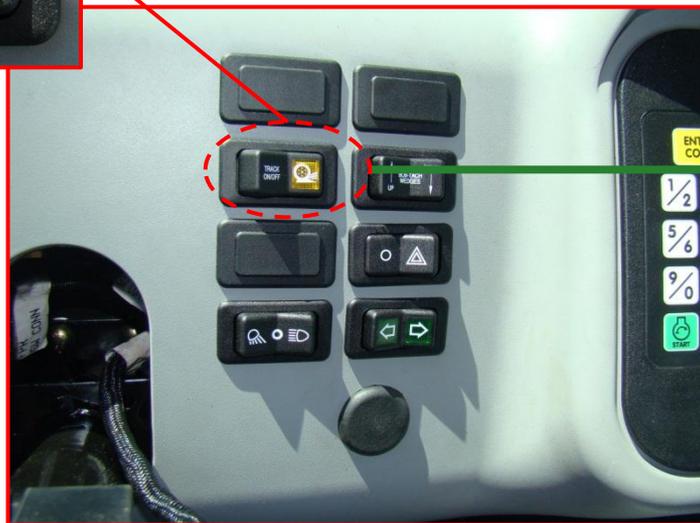


Toolcat Traction Control System

9/7/2013

- Traction Control Notable Changes
 - “New” Dash Located Rocker Switch
 - Deactivate or Reactivates System
 - Selection confirmation in display
 - Switch Light
 - Illuminates when system engages



- **Situation for Traction Control Engagement**

- **Spinning Wheel=Loss of Traction**

- Soft Ground
- Loss of contact with ground
- Snow & Ice

- **Non-Spinning Wheel**

- Obstruction; rock or debris
- Grade change from LH to RH; front to back
- Higher traction surface

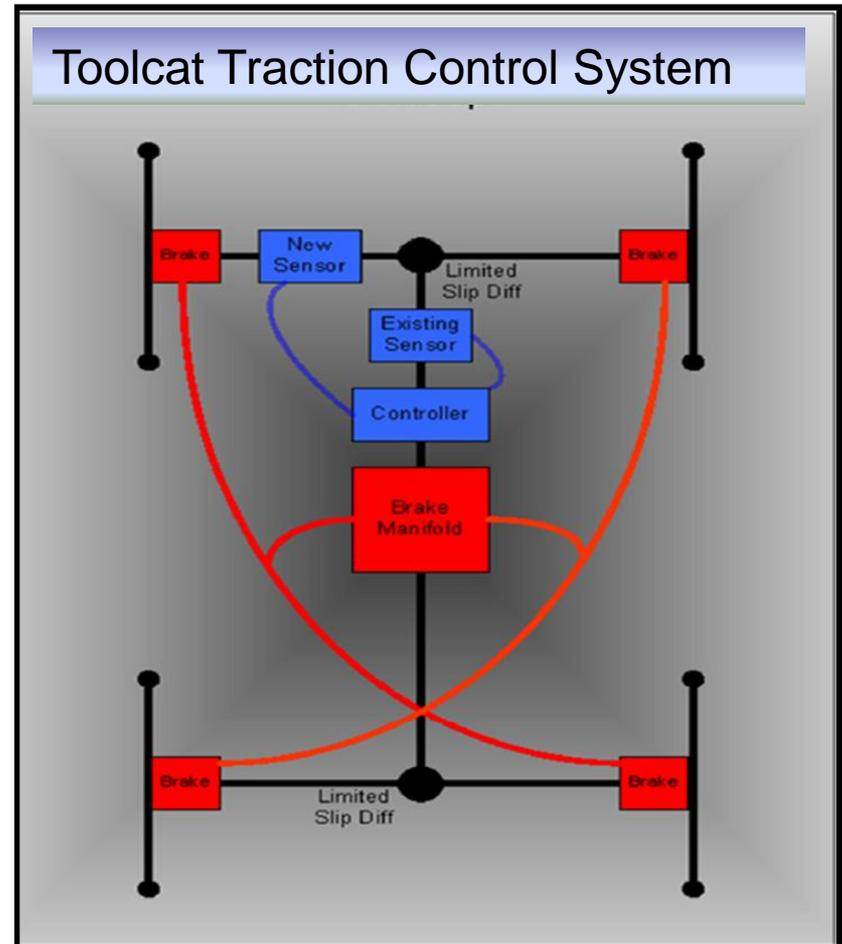
- **Traction Control Engagement**

- Operator holds low range speed constant
- Illumination of dash switch; showing system operation
- System will work to transfer torque to non-spinning wheel to over take obstruction



Toolcat Traction System

- Toolcat Traction Control System
- **How it works....**
 - Sensors monitor wheel speeds
 - Controller is looking for speed differentials between sensors
 - When this condition is identified, Control re-distribute torque thru Brake Manifold
 - Redistribution is done by diagonal braking of the wheels
 - System is Integrated with machines electronics
 - Activation is automatic, Operator needs only allow the system work
- **System Benefits**
 - ✓ Give operator a choice of "on" or "off"
 - ✓ Work within the Limited Slip Differentials
 - ✓ Brings benefits of a "Locking Differential" and retains those of a "Limited Slip Differential"
 - ✓ Keeps torque to wheels with highest traction
 - ✓ Delivers added UWM capability & Operator confidence



5610 Toolcat, this system is part of its Standard Configuration