

# SOFT SHIFT TRANSMISSION CONTROL

During the normal operation of a off highway truck, the operator will fully depress the accelerator, allowing the transmission to shift through it's automatic gears. This conventional method of transmission shifting does not compensate for the engine's Revolutions Per Minute (RPM) during each gear change. The automatic gear change actually increases RPM load during transmission modulation producing higher torque load. This process dramatically increases component wear along the vehicle's drive train.

The **Muirhead®** Soft Shift Transmission Control (SSTC) is designed to regulate the engine's RPM during each gear change (up shift/down shift) to reduce high load torque spiking through the machine's drive train shaft.

## FEATURES & BENEFITS:

- Improves drive train component life due to reduced torque spikes
- Reduces wear on suspension components due to reduced surging during gear changes
- Offers greater operator comfort (smoother ride)
- Operates on downshift mode, whilst loaded, on typical mine ramps
- SSTC does not require operator participation
- Compact design allows hidden installation to prevent tampering



Part No. 8897 Soft shift transmission control

The **Muirhead®** SSTC was successfully developed for use on Caterpillar off highway trucks, incorporating air controlled engine governors to reduce drive train component damage.

RCT MANUFACTURES SOFT SHIFT TRANSMISSION CONTROL (SSTC) TO SUIT CAT 69C, 769, 777, 776, 773, 784, 785 & 789 Additional systems available on request.



Test Equipment is also available to make calibration easier.

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