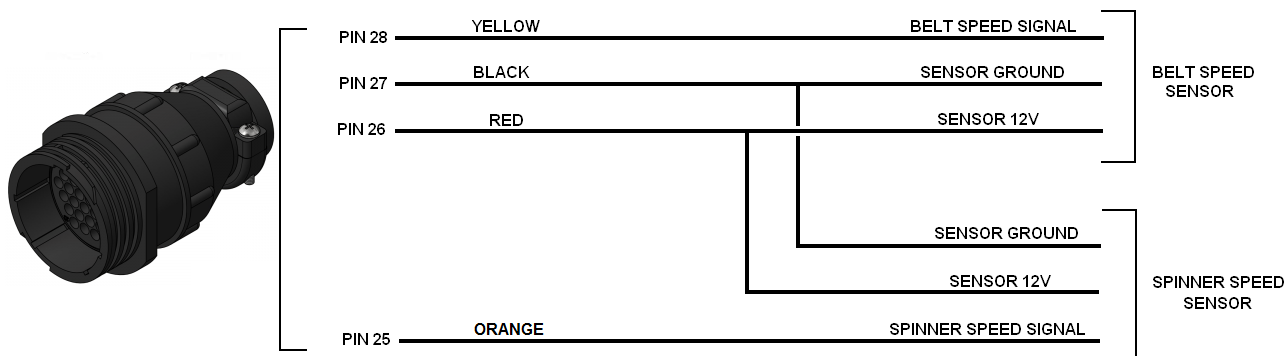
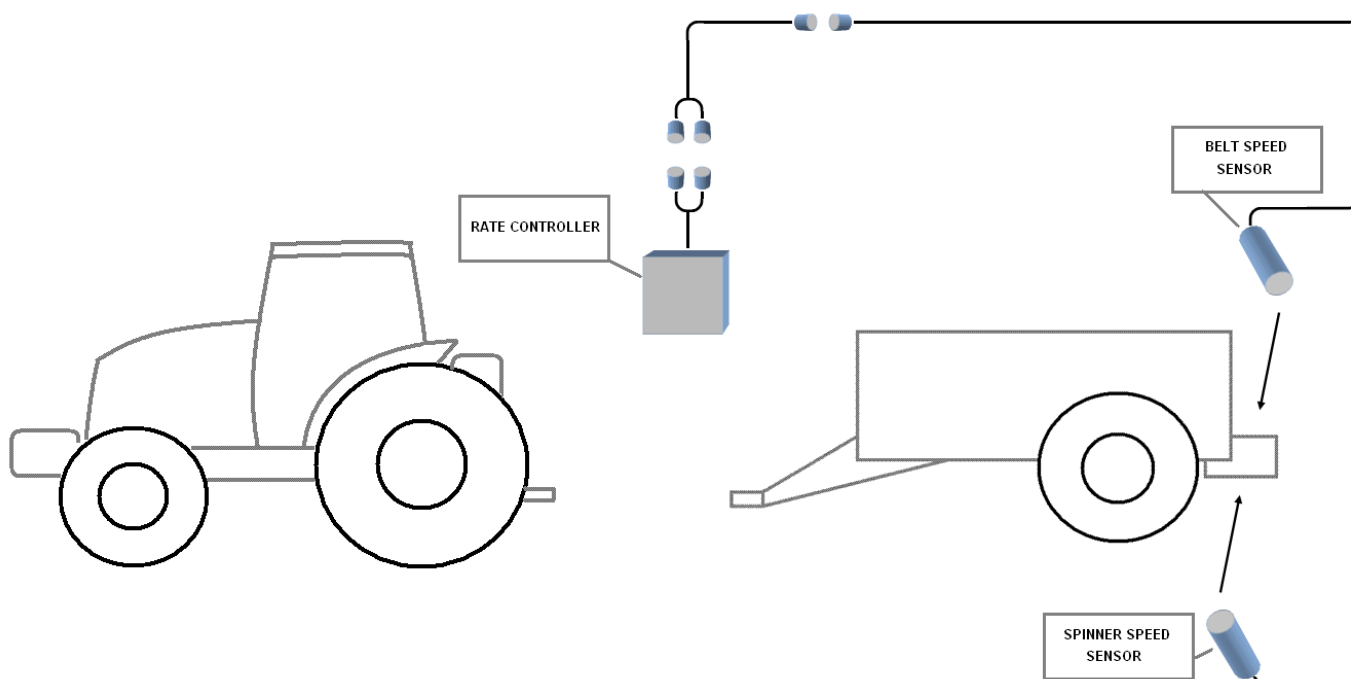


SPREADER SENSOR HARNESS FOR RATEX KIT

OUTLINE

- Basic install shown below
- Rate controller mounted on spreader



CORROSION

Regularly apply corrosion protectant to the connector pins (dielectric grease / electrical silicone spray / marine protectant / water dispersant etc). Contact cleaner will clean the pins but it will not prevent corrosion. Filling the rear of the connector with silicone sealant will trap moisture and cause failure.

SENSOR WIRING

- For greater reliability, the sensor connections are soldered and sealed to the main harness
- Wire colours going into the sensors are shown below



SENSORS

- These are inductive proximity sensors, they do not require magnets
- Each sensor has a yellow light at the rear, to show when it is detecting metal close to the tip

SPINNER SENSOR

- Spinner sensors only require one pulse per revolution
- A single metal tag on the spinner shaft is sufficient
- The tag should be large enough to provide a lengthy pulse
- If the spinner speed drops to zero when you speed them up, the metal tag is too small

BELT SENSOR

- The sensor must read fast turning shafts
- Position to read directly off hydro motor sprockets or tone wheels (photos below)
- Set with approx 2mm gap to the tip of the sprocket tooth

