

PAVER TRACK TENSION ADJUSTMENT

ROADTEC RUBBER TRACK PAVERS ARE EQUIPPED WITH TRACKS THAT UTILIZE A HYDRAULIC TENSIONER SYSTEM. IN ORDER TO MAINTAIN PROPER PERFORMANCE AND EVEN WEAR, THE TRACK TENSION SHOULD BE OCCASIONALLY CHECKED AND ADJUSTED AS NEEDED. A CHECK OF THE HYDRAULIC PRESSURE SHOULD BE PERFORMED EVERY 100 HOURS OF OPERATION. THE FOLLOWING PROCEDURE WILL AID IN THE EXPLANATION OF HOW TO CHECK AND ADJUST TRACK TENSIONER PRESSURE.

- 1) AS WITH ANY PROCEDURE THAT IS BEING PERFORMED ON A PIECE OF EQUIPMENT, SAFETY SHOULD BE THE FIRST STEP. MAKE SURE THAT EVERYONE INVOLVED IS A TRAINED PROFESSIONAL AND IS WEARING ALL THE PROPER SAFETY EQUIPMENT.
- 2) BEFORE CHECKING ANY PRESSURES MAKE SURE THAT THE PAVER IS STOPPED AND THE PARKING BRAKE IS ENGAGED.
- 3) START THE MACHINE AND BRING UP TO OPERATING TEMPERATURE.
- 4) ONCE AT OPERATING TEMPERATURE, BRING ENGINE SPEED DOWN TO IDLE THEN TURN OFF IGNITION.
- 5) INSTALL A 5,000 LBS. HYDRAULIC PRESSURE GAUGE INTO THE TRACK TENSION PRESSURE TEST PORT. (SEE FIGURE 1)



FIGURE 1

PAVER TRACK TENSION ADJUSTMENT

- 6) START THE MACHINE AND LET THE ENGINE RUN AT IDLE SPEED.
- 7) CHECK THE GAUGE TO SEE IF PRESSURE IS AT CORRECT LEVEL.
(REFER TO THE PRSSURE CHART AT THE END OF THIS PROCEDURE FOR THE CORRECT PRESSURE SETTING)
- 8) IF THE PRESSURE IS OUT OF ADJUSTMENT, FOLLOW THESE STEPS TO BRING THE PRESSURE INTO PROPER ADJUSTMENT.
 - a. WITH A $\frac{3}{4}$ " INCH WRENCH LOOSEN THE LOCK NUT WHILE HOLDING THE PRESSURE ADJUSMENT SCREW IN PLACE WITH A $\frac{1}{4}$ " ALLEN WRENCH (FIGURE 2)

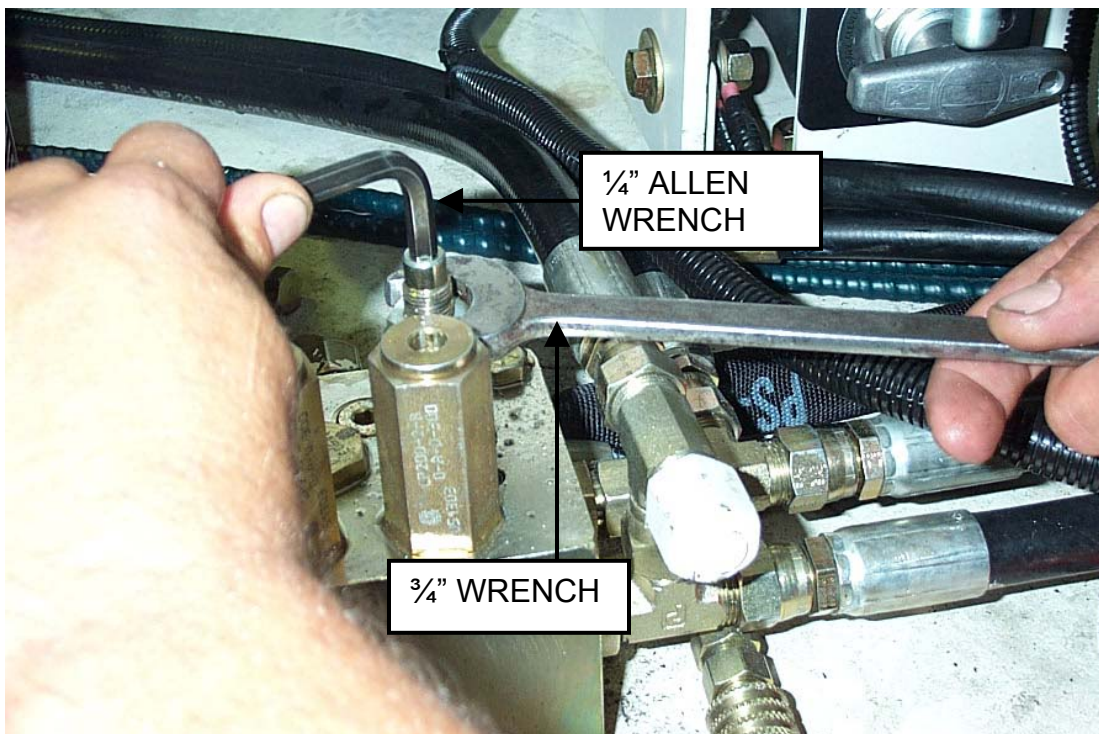


FIGURE 2

- b. WITH A $\frac{1}{4}$ " ALLEN WRENCH, ADJUST THE PRESSURE SCREW AS TO REACH THE PROPER OPERATING PRESSURE.
 - c. WHEN THE PROPER OPERATING PRESSURE HAS BEEN REACHED, CAREFULLY RETIGHTEN THE LOCK NUT SO THAT THE PRESSURE SCREW DOES NOT MOVE.
- 9) TURN OFF THE ENGINE.
- 10) DISCONNECT THE GAUGE.

Pressure settings - Pavers

Function			RP185-10	RP185-10	RP185-10R	RP185-10R		
	RP185-8	RP185-8R	SN 143 and below	SN 144 and above	SN 133 and below	SN 147 and above	SP100	SP100B
Auxiliary pump	2500 psi	2500 psi	2500 psi	2500 psi	2500 psi	2500 psi	2500 psi	2500 psi
Tow point	1200 psi	1200 psi	1200 psi	2500 psi	1200 psi	2500 psi	1200 psi	2500 psi
Brake/2 speed	1000 psi	1000 psi	1000 psi	500 psi	1000 psi	500 psi	1000 psi	350 psi
Auger raise/lower	1000 psi	1000 psi	1000 psi	2500 psi	1000 psi	2500 psi	1000 psi	2500 psi
Conveyor charge	320 psi	320 psi	320 psi	320 psi	320 psi	320 psi	320 psi	320 psi
Conveyor max system	4600 psi	4600 psi	4600 psi	4600 psi	4600 psi	4600 psi	4600 psi	4600 psi
Fume extraction relief	2500 psi	2500 psi	2500 psi	2500 psi	2500 psi	2500 psi	2500 psi	2500 psi
Propel charge	350 psi	350 psi	350 psi	350 psi	350 psi	350 psi	350 psi	350 psi
Propel max system	6090 psi	6090 psi	6090 psi	6090 psi	6500 psi	6500 psi	6090 psi	6090 psi
Version		dual tension cylinder			dual tension cylinder	OmniTrac		
Track tension	1200 psi	1300 psi	1200 psi	1200 psi	1300 psi	2500 psi		
Track recoil	3000 psi	accumulator	3000 psi	3000 psi	accumulator	5000 psi		
Generator pump type	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic		Hydrostatic
Generator charge	350 psi	350 psi	350 psi	350 psi	350 psi	350 psi		350 psi
Generator max system	5650 psi	5650 psi	5650 psi	5650 psi	5650 psi	5650 psi		5650 psi