

Technical Service Bulletin

MODEL(S) **Tennant T7 Rider Scrubber** AFFECTED:

NA and International models manufactured before serial number 10518139 (May 1, 2011)
European models manufactured before serial number T7xxx05316 (July 26, 2011)

SUBJECT: Potential brake wire failure. The brake wire harness (shown below) is designed to move freely with the drive wheel when turning machine, however a few field reports have experienced broken brake wires possibly caused from repetitive hard sharp turns. If brake wires break during machine operation, the machine will automatically activate the brake preventing machine from moving. The propel system fault alarm will repeatedly beep 7 times.

PURPOSE: To repair or prevent brake wire failure, install Brake Jumper Kit p/n 9008400. This kit is designed to replace the brake wire leads that are connected directly to the main machine harness with a high flex jumper harness.

NOTES: This change also affects the existing Brake Kit (p/n 9001644) and the Brake/Wheel/Gearbox Asm. Kit (p/n 9001642). These two kits have been replaced by new kits as described in NOTE below.
For questions, contact the Tennant Customer Service Department.
Warranty Information: Standard warranty terms apply.

BEFORE serial number:
10518139 / T7xxx05316 (Europe)

Brake Wire Harness



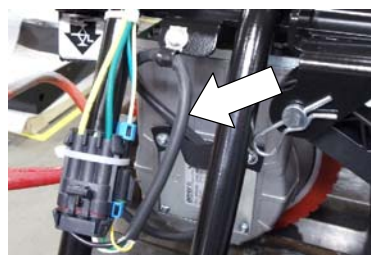
The brake wires, shown below, are routed through the harness sheathing.



Brake Wires

AFTER serial number:
10518138 / T7xxx05315 (Europe)

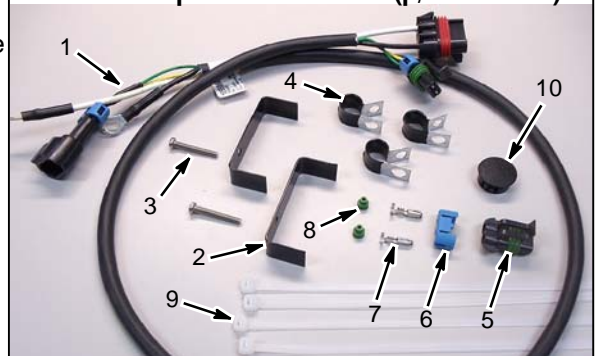
Equipped with a High Flex Brake Jumper Harness.



The brake wires are secured to the gearbox as shown below.



Brake Jumper Kit Contents (p/n 9008400)



Part No.	Description	Qty.
1) 1065808	Harness, Motor, Brake (high flex jumper)	1
2) 1064972	Bracket, Cord	2
3) 33931	Screw, Pan, Phl, M4 x 0.70 x 30, ss	2
4) 140300	Clamp, Cable, Stl, 0.5D (Insulated)	3
5) 78950	Connector, Fem, 2CAV, MP280 sealed	1
6) 78952	Lock, Secondary, M/F 2CAV, MP280 sealed	1
7) 25837	Terminal, Fem 20/22GA	2
8) 25830	Seal, Wire 14GA	2
9) 1300773	Tie, Cable, Nyl, 11.0L, .14w	4
10) 130161	Plug, Dust, Brake	1
9008401	Instructions, Kit Installation	1

NOTE: If replacing Brake or Brake/Wheel/Gearbox Assembly order the following Kits:

Models manufactured BEFORE s/n 10518139, T7xxx05316:

- 9008897 Brake Kit (Kit includes the high flex brake jumper harness.)
- 9009000 Brake/Wheel/Gearbox Asm. (Kit includes the high flex brake jumper harness.)

Models manufactured AFTER s/n 10518138, T7xxx05315:

- 9008896 Brake Kit
- 9008999 Brake/Wheel/Gearbox Asm.

Reminder - Check brake for proper adjustment

With brake installed, measure air gap as shown below. Air gap should measure between .008 in / .20 mm and .012 in / .31 mm all the way around.

