



PlowGuard - Plow Balance System

Patent No. 6,467,553

PART NUMBER: SG07230012

REV: C DATE: 07/03/14



List of Included Documents

<u>Description</u>	<u>Drawing Numbers</u>
Initial Setup/Adjustment Procedure	SG07230012
Plow Balance Valve – ½ load sense	SG03020003
Plow Balance Valve – full load sense	SG03020008
Custom Valve Setup Procedure	SG07100196
Plow Balance Valve – custom (3 coil)	SG03020024

Initial Set-Up / Adjustment Procedures

1. Operation with Plow Balance “turned off”:

Typical Plow Weights of:
2,500 to 4,000 lbs. on the
road surface (scale).



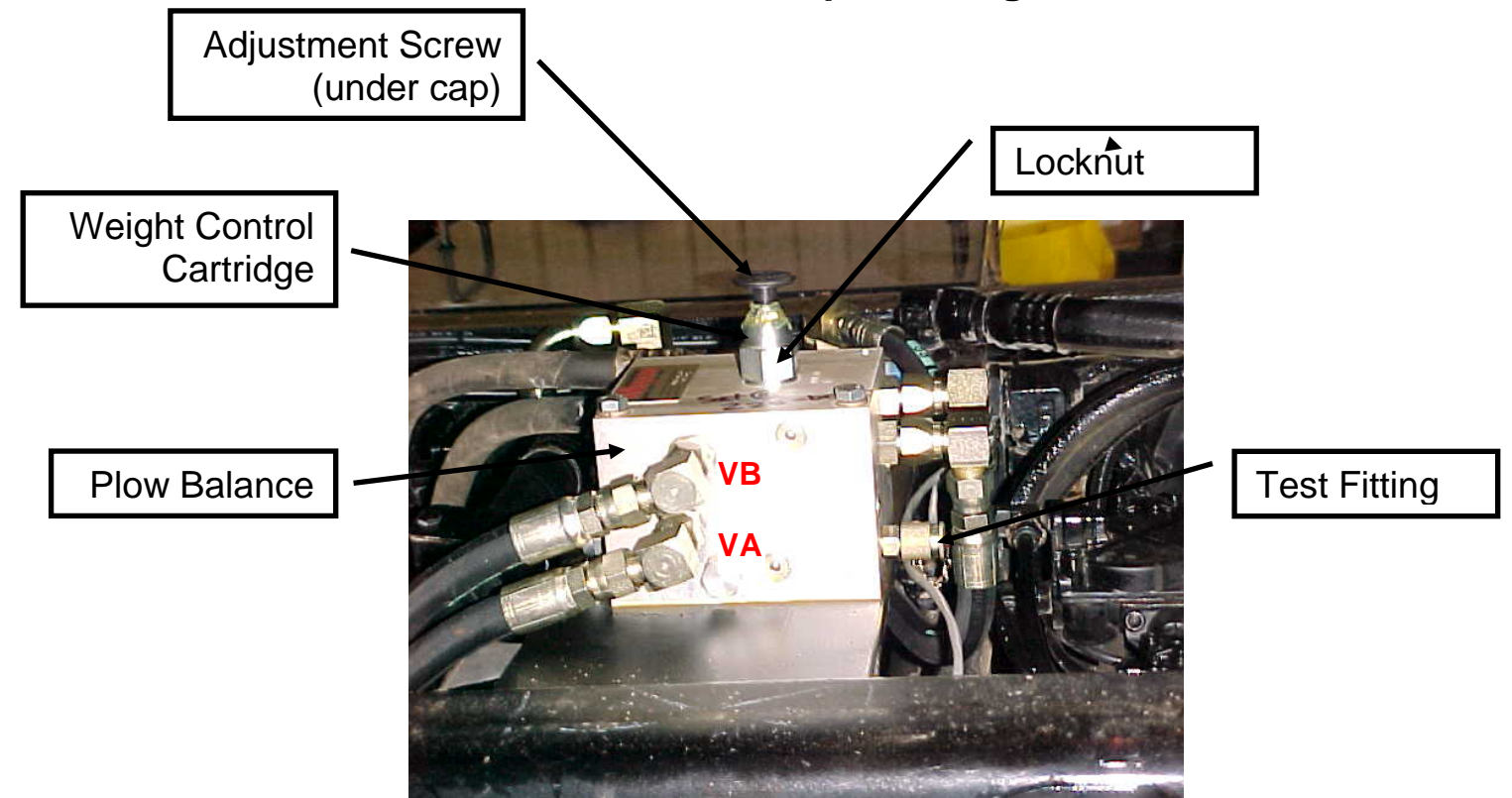
2. Operation with Plow Balance “turned on”:

Recommended Plow
Weights of: 500 to 1,000 lbs.
on the road surface (scale).



3. Adjust as follows:

- a. With plow on scale and Plow Balance valve turned on (as shown in item 2 above) check the scale reading.
- b. Loosen the Locknut on the Weight Control Cartridge, with a 9/16” wrench.
- c. Remove black plastic cap from the Adjustment Screw. Using a 5/32” allen wrench - turn Screw CW to make the plow *lighter on the road (scale)* - turn Screw CCW to make the plow *heavier on the road (scale)*. Increments of 1/8 to 1/4 of a turn are recommended, until the scale shows the desired plow weight.



Notes:

1. After the initial set-up, no further adjustment will be required, unless a lighter / heavier plow is installed on the truck.
2. Observe all safety precautions while making adjustments - stay clear of moving parts!

If you have any questions / comments, don't hesitate to call us: 847-573-3800