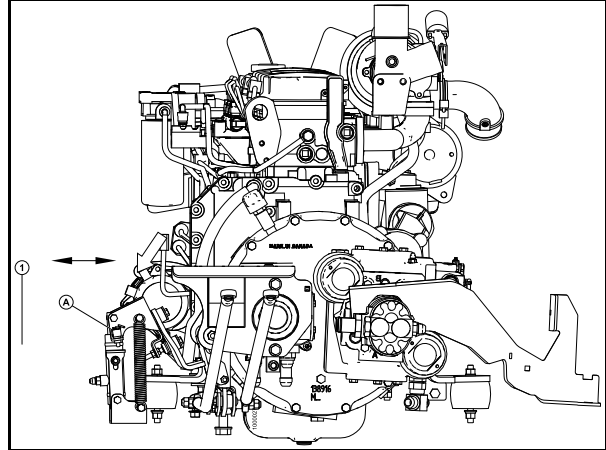


## Neutral Adjustment

### 3.3 Pintle Neutral Switch

This switch is located adjacent to the traction pump and is operated by the pintle interlock mechanism.

SWITCH STATUS	GSL POSITION	EFFECT
CLOSED	N-DETENT	Causes brakes to be applied. Must be closed to enable engine cranking. Puts wheel motors into high range to increase brake holding power.
OPEN	Out of N-DETENT	Cuts Power To Normally Open Valve (V3B) Which Pressurizes Brake System And Releases Brakes.



**Figure 3.6**

#### 3.3.1 Neutral Adjustment Troubleshooting

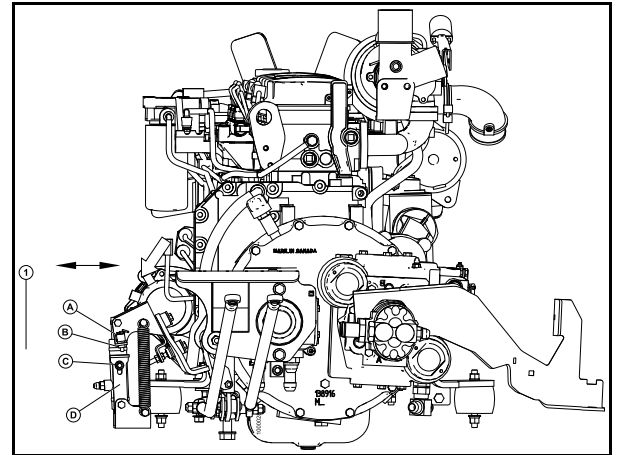
Symptom	Cause	Action
Engine does not crank with GSL in N-DETENT, steering locked in center position, and header engage switch off.	Neutral Start Switch Not Enabling Start Circuit.	<a href="#">3.1 Neutral Interlock and Steering, page 173</a> . <a href="#">3.3 Pintle Neutral Check and Adjustment, page 21</a>
Steering Locks With Engine Running and GSL Out of N-DETENT.	Faulty Switch At GSL.	<a href="#">3.3.2 Pintle Neutral Switch Install, page 21</a>
	Faulty Interlock Release Valve 3A.	Check the valve coil and valve.
Machine creeps or rolls on incline when GSL in N-DETENT	Brakes Not Engaged (or. brakes not holding)	<a href="#">4.2 Brake Operation Check, page 23.</a>
Machine creeps when GSL pulled out of N-DETENT.	Neutral settings out of adjustment.	<a href="#">5 Traction Drive Pump Interlock, page 27</a>
Machine steering is tight at full GSL stroke when in Cab-Forward but ok in Engine-Forward or vice-versa.	Steering servo out of adjustment or linkages worn	<a href="#">5.4 Servo Input Adjustment, page 30</a>
Machine creeps in either Cab-Forward or Engine-Forward mode but not both when GSL is moved out of N-DETENT, but not stroked to either forward or reverse.	Neutral settings out of adjustment.	<a href="#">5.6 Neutral Adjustment Chart, page 31</a>

## Neutral Adjustment

Symptom	Cause	Action
Neutral position of GSL different in Cab-Forward/Engine-Forward modes.	GSL linkage out of adjustment.	<a href="#">5.6 Neutral Adjustment Chart, page 31</a>
Steering wheel not centered	Neutral adjustments may have affected position of wheel.	<a href="#">5.13 Centering Steering Wheel, page 43</a>

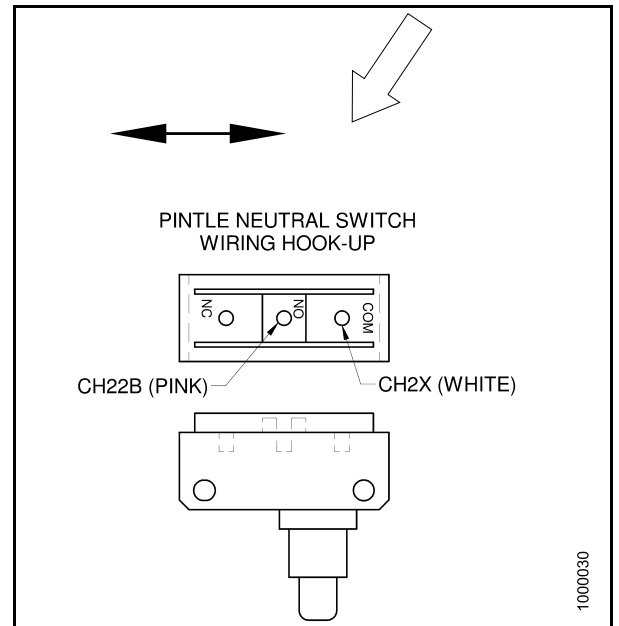
### 3.3.2 Pintle Neutral Switch Install

1. Follow the harness coming from the neutral switch (A) and disconnect it from the windrower harness.
2. Remove the two wires that connect to the switch.
3. Remove jam nut (B), and remove old switch (A).
4. Position new switch (A), install jam nuts (B).



**Figure 3.7**

5. Install the two wires to the switch. CH22B goes to NO terminal. CH2X goes to the COM terminal
6. Connect switch harness to the windrower harness.
7. Check that the plunger on switch (A) is fully compressed.
8. If necessary, loosen nut (C) and move bracket (D) to adjust plunger compression
9. If the pintle neutral switch does not function with plunger completely depressed, install a new switch.



**Figure 3.8**