



Checking and Adjusting HST Neutral Spring (for Dynamic Braking)

WARNING

- Do not operate if tractor move on level ground with foot off speed control pedal.
- If tractor moves on level ground with foot off the pedal, or, if the pedal is too slow in returning to "NEUTRAL" position when removing the foot from the pedal, adjust the HST neutral spring.

The HST neutral spring located under the front right side of the fender can adjust returning speed of speed control pedal.

Since the HST neutral spring tension is weakened, the HST tension should be checked and adjusted every 100 hours.

1. Checking the HST neutral spring tension : Dynamic braking
 - Start the engine and hold the maximum engine speeds.
 - Operate the machine on the concrete level ground.
 - Shift the range gear shift lever to "High" position.
 - Depress the speed control pedal to "Forward".
 - Release the foot from the speed control pedal.
 - Check the distance between the foot releasing point and the machine stopping point.
 - If the distance is more than approximately 3 m (9.8 feet), strengthen the HST neutral spring tension so that the machine will stop in approximately 3 m (9.8 feet) after releasing the foot from the speed control pedal.

(Reference)

Distance (L) between the foot releasing point and the machine stopping point	Reference	Approximately 3 m (9.8 feet)
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2. Remove the step from the machine.
 - Loosen the lock nut (2).
 - Turn the adjusting nut (3) half turn to pull the HST neutral spring (1).
 - Tighten and lock the lock nut (2).
 - Start the engine and check dynamic brake as mentioned former.
 - If the machine will not stop with dynamic brake in approximately 3 m (9.8 feet), adjust the neutral spring again.

(Reference)

Length (M) of adjusting rod at shipping the machine from the factory	Reference	10 mm 0.39 in.
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- (1) HST Neutral Spring
(2) Lock Nut
(3) Adjusting Nut
(4) Adjusting Rod

- (A) Foot Releasing Point
(B) Machine Stopping Point
L : Distance between Foot Releasing Point and the Machine Stopping Point
M : Length of Adjusting Rod from Stay

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