

Procedure for Inspection and Adjustment of Brake

Objectives:

- A. Check that brake pedal is in forward position.
- B. Determine that brake caliper is in good operating condition and if Belleville washers are under the castle nut.
- C. Includes installation of Belleville washers.
- D. Check that correct nut is installed on rear stop of brake.

Procedure:

1. Block front wheels. Put transmission in neutral. Jack up one rear wheel on brake side of tractor. Remove tire.
2. Check pedal position as follows -
 - (a) Remove return spring on brake.
 - (b) Remove cotter pin and tighten castle nut until no clearance in brake pads or until disk will not spin.
 - (c) Check pedal position. Top portion of pedal arm should be vertical with respect to frame or forward of vertical position.
3. If pedal is to the rear of tractor (negative position) a new brake rod will be required which should be 3/16" longer than original rod.
4. Inspect brake calipers.
Remove castle nut and washer.
Pull cam away from caliper and push spring away from caliper and examine for cracks on face of caliper. Attempt to wiggle center pin. If pin wiggles or cracks are observed replace caliper unit.
5. Install new caliper if required. Caliper assembly must float freely from side to side. Install new brake rod if required. To replace brake rod, two push nuts must be removed, one on each end of rod. Remove push nuts with pliers or cut off. Use new push nuts on new rod.

If new caliper assembly is replaced, it is necessary to lift frame off transaxle 1/2".

Loosen 4 hold-down bolts (2 on each side) of transaxle. Lift up brake side of frame and insert 1/2" block between frame pad and transaxle pad.

Back out 2 bolts holding brake caliper assembly to transaxle and slide out caliper assembly (caliper and 2 brackets). Install new caliper assembly and then make certain frame and transaxle are bolted together before adjusting brake.

6. Inspect stop nut. Correct stop nut will have red plastic insert in face of nut.

Stop Nut Description - 211A3582

ESNA Corp. Cat. #21NU-058

5/16-18 UNC - 3B - Prevailing torque type

Replace if red insert not in face of nut.

