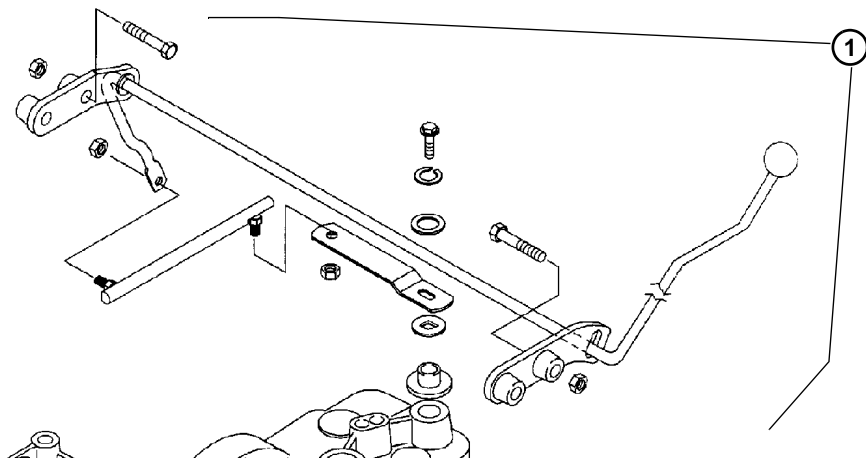
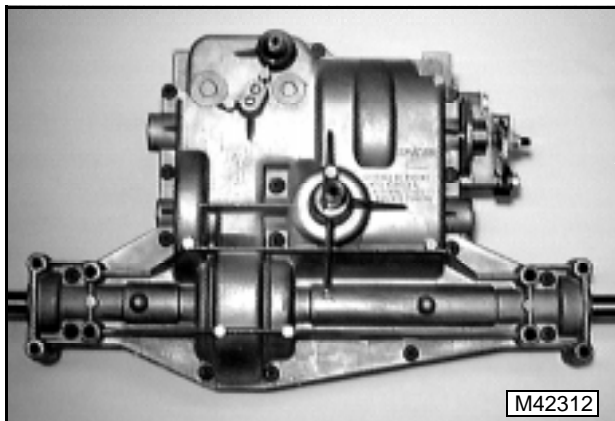


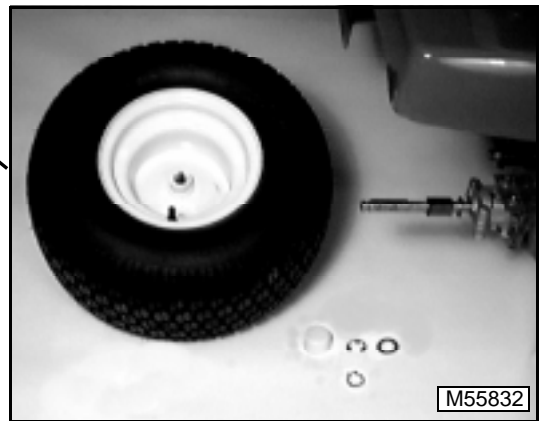
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TESTS AND ADJUSTMENTS

CLUTCH/BRAKE PEDAL LINKAGE AND TRACTION DRIVE SYSTEM

Reason:

To ensure clutch/brake pedal linkage and traction drive system maintains traction in all three lower gears up a 17° slope. Also, to ensure it disengages traction drive belt, engages brake to slow down or stop tractor within a specified distance, and holds tractor stationary in PARK position on a 17° slope or less.

Procedure:

NOTE: This is a four part test and adjustment procedure:

- Test drive on 17° slope,
- Brake spring adjustment,
- Clutch spring adjustment,
- Repeat test drive on 17° slope.

Test Drive—

 **CAUTION**

DO NOT engage clutch/brake pedal too aggressively or tractor may tip over backwards while performing the test drive on a 17° slope.



1. Test drive tractor to see if traction drive system pulls tractor up a 17° slope in all three lower gears.
2. Look for a steady pull in all three lower gears up the slope.
3. If traction test fails in any or all of the three lower gears, the belt tension must be adjusted.

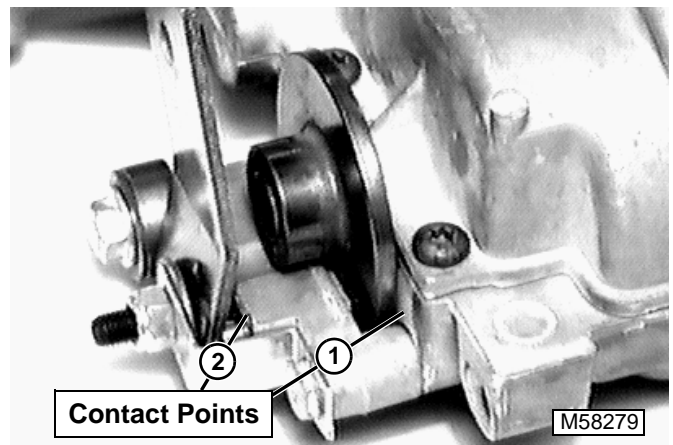


4. Drive or push tractor onto a 17° slope and lock clutch/brake pedal in PARK position.
5. **Park brake must hold tractor stationary on slope and tractor must not creep downward once park brake is set.**
6. Drive tractor on dry pavement in a safe, open, and level area at fast idle in high gear. Apply a “panic stop” force (no more than 50 pounds of force) to brake pedal—**tractor must stop within 0.9—1.5 M (3—5 ft) and both wheels should lock-up, leaving skid marks on pavement.**
7. Repeat Steps 4—6 for reverse.
8. If any test fails, the clutch and brake linkages must be adjusted or components replaced.

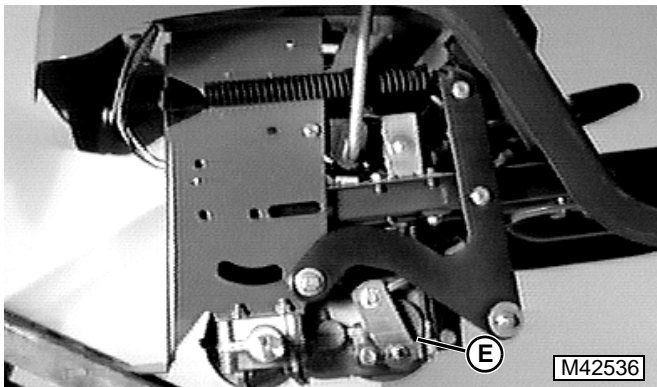
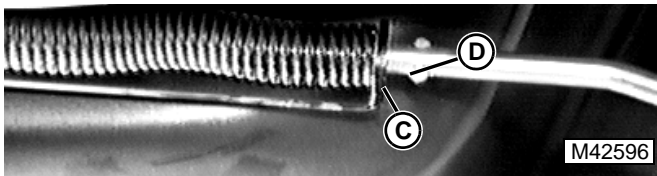
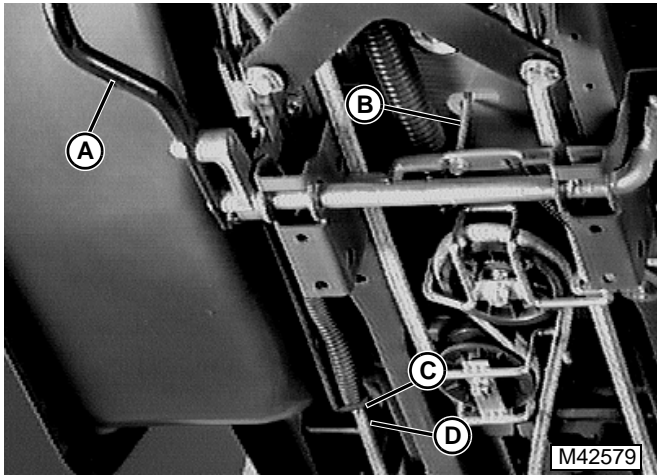
IMPORTANT: Anytime the brake or clutch spring need to be adjusted, both must be examined to ensure desired results will be obtained.

BRAKE SPRING ADJUSTMENT

IMPORTANT: Anytime the brake or clutch spring needs to be adjusted, both must be examined to ensure desired results will be obtained.



1. First check for brake disc contacting the case (1) and/or brake lever contacting its mounting bracket (2), top or bottom. Clearance between friction pucks and disc should be 0.254—0.508 mm (0.010—0.020 in.). If necessary, replace friction pucks and disc before making any adjustments.



NOTE: These adjustment procedures can be performed with tractor on the floor; however, you may want to safely raise the tractor for easier access. If you do, remove the battery to avoid spilling any electrolyte solution.

2. Remove the mower deck.
3. Depress clutch/brake pedal (A) and lock lever (B) into PARK position from operator's station.
4. Measure distance between end of compression spring bracket (C) and front edge of brake rod stop tabs (D):

If distance is less than 2 mm (0.08 in.)—

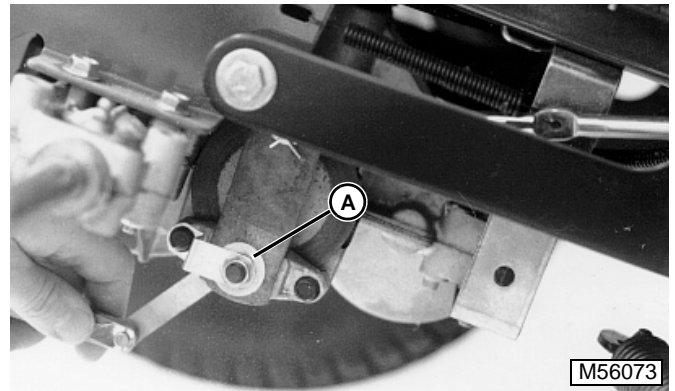
5. Unlock park brake, release pedal, and gradually tighten lock nut (E) until freeplay in brake arm assembly is removed.
6. Depress pedal and lock park brake.
7. Remeasure distance between end of compression spring bracket (C) and front edge of brake rod stop tabs (D), it should read 7.5—8 mm (0.30—0.32 in.).

8. Once above measurement is obtained, recycle clutch/brake pedal again.
9. Remeasure distance, it should be the same. This brake setting should hold the tractor stationary on a 17° slope.

If distance is greater than 8 mm (0.32 in.)—

10. With park brake set, gradually loosen lock nut (E) until distance of 7.5—8 mm (0.30—0.32 in.) is obtained.
11. Recycle park brake a few times and remeasure distance each time (see Step 7).

BRAKE PAD ADJUSTMENT



1. Check brake linkage, pads and rotor for wear, binding and dirt.
2. Insert feeler gauge between rotor and outside brake pad. Clearance between friction pucks (brake pads) and disc (rotor) should be 0.254 mm (0.010 in.).
3. Adjust nut (A) to get specified clearance.
4. Brakes should hold on a 17° slope and not drag when tractor is level and in neutral.

Specifications:

Brake Pad Clearance

..... **0.254 mm (0.010 in.)**



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