

Steering and Brake Operation

Trailer Brake Test



APY33188—UN—08JUN20

Cab



APY33189—UN—08JUN20

OOS

A—Trailer Brake Test Switch

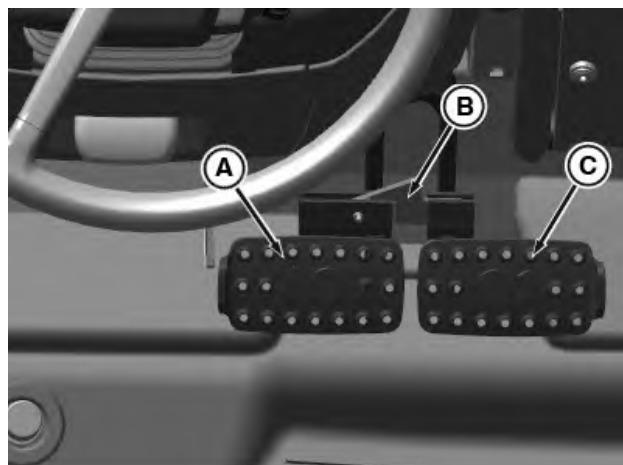
IMPORTANT: Trailer brake test switch is used to verify that the tractor's park brake can hold the combination of the tractor and trailer if the trailer's park brake malfunctions.

Damage can occur if trailer brake test fails. See John Deere dealer if trailer brake test fails.

1. Start the engine and make sure that all appropriate trailer brake connections are connected.
2. Position tractor and trailer on a slight incline and place the transmission gearshift lever in park position.
3. Press and hold trailer brake test switch (A) to release the trailer's park brake.
4. Verify no movement with the trailer's park brake released.
5. Release the switch to engage the trailer park brake.

LGCKF7U,0000BD4-19-10MAY21

Service Brakes



APY40974—UN—18NOV20

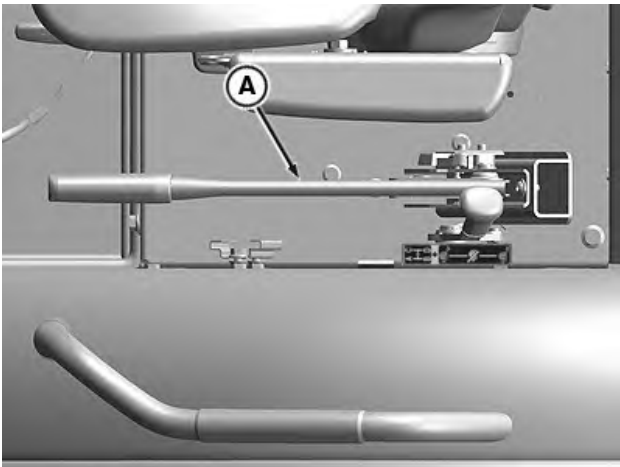
A—Left Brake Pedal
B—Brake Pedal Lock
C—Right Brake Pedal

IMPORTANT: To prevent unnecessary wear, never operate with a foot resting on the brake pedals.

- For field work, unlock brake pedals. Apply right brake pedal (C) lightly to assist in making sharp right-hand turns and left brake pedal (A) for left-hand turns.
- Before operating machine on a road or transporting, use brake pedal lock (B) to hold brake pedals together.
- Use brakes lightly and cautiously at transport speeds.
- Reduce speed if towed load is not equipped with brakes and weighs more than the machine.
- Avoid hard braking applications. Consult implement operator's manual for recommended transport speeds.
- Use additional caution when transporting towed loads under adverse conditions, and when turning or stopping on inclines.

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Secondary Brakes



A—Secondary Brake Lever

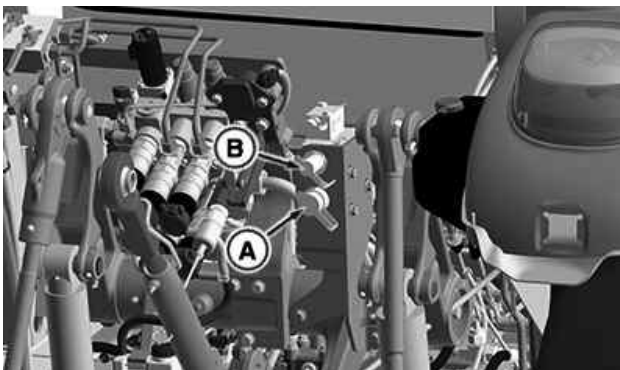
CAUTION: Avoid possible injury from immediately applying secondary brake lever. Brake pressure increases as lever range is increased. Familiarize yourself with the control before operating on a public road or highway.

NOTE: Secondary brake lever applies brakes only to the rear axle. Operator must hold the lever as long as required to engage brake.

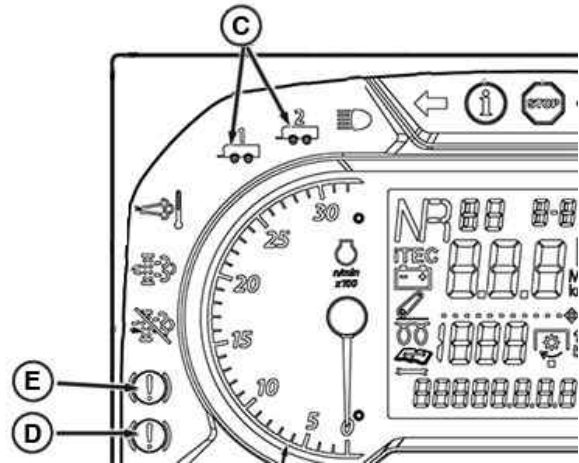
1. To engage secondary brakes, pull up on secondary brake lever (A).
2. To release secondary brakes, push down on secondary brake lever (A).

HK75640,000100B-19-14SEP20

Hydraulic Trailer Brakes



RXA0162616—UN—27MAR18



PY42031—UN—03MAY17

- A—Hydraulic Trailer Brake Control Coupler
 B—Hydraulic Trailer Brake Park Coupler
 C—Trailer Light Indicator
 D—Brake System Stop Warning Indicator
 E—Trailer Brake System Warning Indicator

CAUTION: Trailer brake system warning indicator (E) illuminates when service is required on the trailer braking system.

In emergency cases, the brake system stop warning indicator (D) illuminates to indicate that the machine must be stopped.

IMPORTANT: To prevent undue wear on the brakes, observe the following points:

Ensure that both the control and park couplers of the trailer hoses are connected to the corresponding machine couplers.

When driving downhill, select the same gear used for driving uphill.

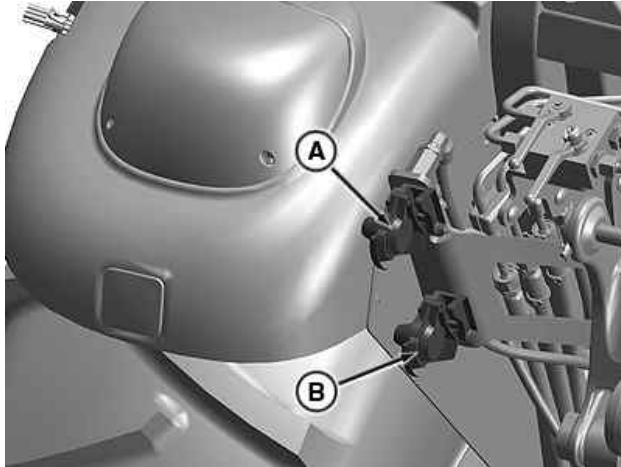
Check the hydraulic trailer brake regularly to ensure that it is functioning correctly.

1. Connect electrical implement connector if equipped. Trailer light indicator (C) illuminates whenever implement connector is connected.
2. Remove cap from the hydraulic trailer brake control coupler (A) and hydraulic trailer-brake park coupler (B).
3. Ensure that connections are clean. Connect corresponding trailer hoses to tractor couplers.
4. Depress brake pedals to operate the hydraulic trailer brake. The braking effect depends on pressure applied to the brake pedals.
5. The hydraulic trailer-brake park coupler (B) is vented when the machine is placed in park. This allows hydraulic pressure at the trailer brake pistons to relieve to the machine and the mechanical spring brakes to engage. The trailer park brake remains engaged while the machine is in park. When machine is taken out of park, the hydraulic trailer-

brake park coupler (B) pressurizes and disengages the spring-applied park brake.

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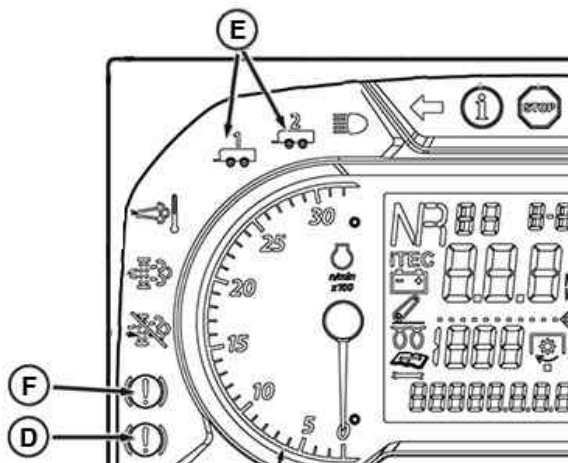
Air Trailer Brakes



PY39981—UN—03MAY17



PY39980—UN—02MAY17



PY42043—UN—11MAY17

A—Yellow Control Coupler

B—Red Supply Coupler
C—Air Brake Pressure Gauge
D—Brake System Stop Warning
E—Trailer Light Indicator
F—Trailer Brake System Warning

CAUTION: Set manually operated brake valve on the trailer's air-brake system in accordance with weight of trailer's load.

IMPORTANT: Seal connections with dust cover whenever hoses are disconnected. Trailer-brake system warning indicator (F) illuminates when service is required on the trailer braking system. In emergency cases the brake system stop warning indicator (D) illuminates to indicate that the machine must be stopped.

IMPORTANT: With trailer connected, do not drive away unless air pressure gauge (D) is indicating at least 810 kPa (8.1 bar ; 117 psi).

NOTE:

- Green zone on air brake pressure gauge (C) indicates operating range.
- Loss of pressure causes the brake to become less effective.
- Operate the trailer in accordance with the manufacturer instructions.
- Manually draining water from the compressed air tank is not necessary, as the air tank has an auto-drain function.

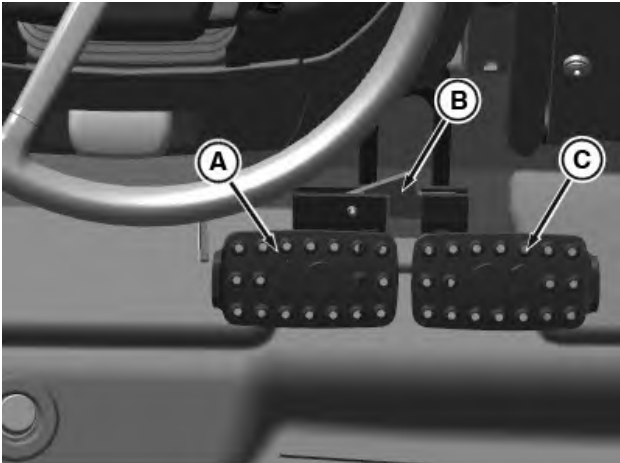
Dual-line air trailer brake system employs a yellow control coupler (A) and red supply coupler (B).

1. Place machine in park and shut off the engine.
2. Connect electrical implement connector.
3. Trailer light indicator (E) illuminates when implement connector is connected.
4. Lift dust cover from the trailer air brake coupler.
5. Clean connections before attaching air hoses.
6. Connect trailer air hose couplers. Connect yellow air brake coupler (control) first.
7. Start engine and allow air system to reach working pressure. While air pressure builds, diagnostic trouble codes and accompanying messages appear on display.
8. When operating pressure is reached, trailer brake system stop warning (D) and trailer brake system warning display (F) display shut off automatically.

LGCKF7U,0000BD6-19-10MAY21

Steering and Brake Maintenance

Check Manual Brakes



APY40974—UN—18NOV20

A—Left Brake Pedal
B—Brake Pedal Lock
C—Right Brake Pedal

IMPORTANT: Any noticeable pedal drift downward from initial point of resistance (solid pedal) indicates brake leakage. See your John Deere dealer.

1. Machine must be in park with engine shut off to check brakes for correct function.
2. Position brake pedal lock (B) to allow brake pedals to operate separately.
3. Pump the left brake pedal (A) and right brake pedal (C) individually. Pedals should have a solid feel. If pedals do not feel solid, have your John Deere dealer bleed brakes.
4. Check to make sure that pedals do not settle to end of stroke within 10 seconds after being applied. If leakage exceeds this rate or if one pedal settles faster than the other, see your John Deere dealer.

LGCKF7U,00008C2-19-11MAY21