The Coach Notification Light stays on after install.

Is the reed switch seated fully in its bracket?

NO  
Install reed switch in bracket and tighten set screw. Did the notification light go off?

YES  
Check all reed switch electrical connections: Brown wire 12V power, Black wire connected to red wire of Notification light, Blue wire to Black wire of Notification light AND to a good Chassis Ground. Retest. Did the notification light go off?

NO  
Adjust reed switch bracket towards firewall in small increments. Did the notification light go off?

YES  
Problem Solved

NO  
Repair electrical connections and retest. Did the notification light go off?

YES  
Problem Solved

NO  
Remove switch from bracket and lay the side that rests against the actuator on a magnet. Did the notification light go off?

YES  
Problem Solved

NO  
Call Demco Help Line 800.543.3626

YES  
Problem Solved
The AFO Air cylinder doesn't actuate when coach brakes are applied.

Confirm the cable to the cylinder is not broken or does not have too much slack by pulling the cylinder towards the seat. Cylinder should move back no more than 1/4" before cable tension is present.

VACUUM BRAKE BOOSTER PROCEDURE

Apply coach brakes check for air coming out of the exhaust port on the AFO operating unit. Is air present?

NO

Remove airline from fitting at back of coach. Is air present when coach brakes are applied?

NO

Carefully removed airline between AFO tank and relay valve. Is there any air present?

NO

Call Demco Help Line 800.543.3626

Check for damage or kink(s) in airline between the AFO relay valve and rear coach connection. Any damage found?

NO

Call Demco Help Line 800.543.3626

YES

Check filter at back side of towed connector for restriction. Is the filter restricted?

YES

Replace filter.

NO

Check for damaged or kinked airline between towed connector and AFO operating unit. Replace airline.

YES

Remove air line from the push lock fitting on the end of the air cylinder. Is air present when coach brake is applied?

NO

Call Demco Help Line 800.543.3626

YES

Check for damaged airline between towed connector and AFO operating unit. Replace airline.

Color Code

= Keep Going

= Fix Stop
The AFO Air cylinder doesn’t actuate when coach brakes are applied.

Confirm the cable to the cylinder is not broken or does not have too much slack by pulling the cylinder towards the seat. Cylinder should move back no more than 1/4” before cable tension is present.

HYDRO BOOST SET UP

Remove Air IN airline. Is air present when coach brakes are applied?

- **NO**
  - Remove air line from fitting at back of coach. Is air present when coach brake is applied?
    - **NO**
      - Carefully removed airline between AFO tank and relay valve. Is there any air present?
        - **NO**
          - Call Demco Help Line 800.543.3626
        - **YES**
          - Check for damage or kink(s) in airline between the AFO relay valve and rear coach connection. Any damage found?
            - **NO**
              - Call Demco Help Line 800.543.3626
            - **YES**
              - Check for damaged or kinked airline between towed connector and AFO operating unit. Replace airline.

- **YES**
  - Check filter at back side of towed connector for restriction. Is the filter restricted?
    - **NO**
      - Replace filter.
    - **YES**
      - Check for damaged airline between AFO operating unit and air cylinder. Replace airline and retest.

Remove air line from the push lock fitting on the end of the air cylinder. Is air present when coach brake is applied?

- **YES**
  - Call Demco Help Line 800.543.3626

- **NO**
  - Call Demco Help Line 800.543.3626
**Breakaway switch will not work**

- Is the system charged with air from coach? **YES**
- Is the system fuse installed? **NO**
- Put fuse in holder. Did that fix the breakaway? **YES**
- Pull the breakaway pin & check for 12v on the blue breakaway wire. Did you find 12v? **NO**
- Check crimp connections to the battery and verify frame ground. Did you find and fix the connection problem? **NO**
- Make certain that the battery is charged and good. Is the battery good? **YES**
- Clean connections inside switch and check frame ground. Does breakaway function? **NO**
- Hook black wires from AFO operating unit directly to battery + and -. Does breakaway function? **NO**
- Call Demco Help Line 800.543.3626

- Is the system charged with air from coach? **NO**
- Charge system with air by applying brakes in coach 3-4 times. Be sure coach is fully aired up and at operational air pressure. 
- Does the breakaway function? **YES**
- Problem Solved

- Is the system fuse installed? **NO**
- Put fuse in holder. Did that fix the breakaway? **NO**
- Pull the breakaway pin & check for 12v on the blue breakaway wire. Did you find 12v? **YES**
- Clean connections inside switch with an emery cloth and verify frame ground or replace the breakaway switch. **NO**
- Hook black wires from AFO operating unit directly to battery + and -. Does breakaway function? **NO**
- Call Demco Help Line 800.543.3626

- Is 12v present on the orange/black wire? **YES**
- Clean connections inside switch and check frame ground. Does breakaway function? **YES**
- Problem Solved

- Color Code
  - Green = Keep Going
  - Red = Fix Stop

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**Main Problem**

- Is the system fuse installed? **YES**
- Is 12v present on the orange/black wire? **NO**
- Check crimp connections to the battery and verify frame ground. Did you find and fix the connection problem? **YES**
- Make certain that the battery is charged and good. Is the battery good? **NO**
- Replace the battery.
- Replace switch.
- Call Demco Help Line 800.543.3626

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800.543.3626
www.demco-products.com
After installation, vehicle throws a vacuum leak/lean code

Are all vacuum connections tight?

Fix vacuum leak

Using a vacuum gauge, attempt to pull a vacuum on the line between the operating unit and the vacuum tee.

Does it hold vacuum?

Remove hose from tee, plug the open end of the tee, clear code and start the towed vehicle.

Does the code come back?

Locate the unit side check valve by following the vacuum line from the tee connection to the operating unit. Verify that the unit check valve is installed and is inserted correctly (black side toward unit and green/clear side toward tee).

Is check valve installed and inserted correctly?

Install a check valve or flip the check valve

Call Demco Help Line 800.543.3626

Problem is with the towed vehicle.

Main Problem

Fix vacuum leak

YES

NO

Call Demco Help Line 800.543.3626

Problem is with the towed vehicle.

Locate the unit side check valve by following the vacuum line from the tee connection to the operating unit. Verify that the unit check valve is installed and is inserted correctly (black side toward unit and green/clear side toward tee).

Is check valve installed and inserted correctly?

NO

YES
After installing AFO the brakes in towed activate when Emergency brake of coach is released

Chock the wheels of the coach, disconnect the metered signal, and check for metered signal with Emergency brake released. Is the line connection a metered signal or a constant signal?

- METERED
  - Call Demco Help Line 800.543.3626
- CONSTANT
  - The connection made is not a metered signal, Repair and move to a metered signal. Retest

Color Code

- = Keep Going
- = Fix Stop

Main Problem

After installing AFO the brakes in towed activate when Emergency brake of coach is released.

Is the knob on the GFC controller set all the way “down”?

Is the toggle switch turned “on”?

Is the fuse installed?

Check for 12v on the yellow and green tow wire with coach brakes applied.

Is there 12v on the yellow and green wire?

With coach brakes still applied, check for 12v on the red wire between the GFC controller and operating unit.

Is there 12v on the red wire?

With toggle switch “on”, check for continuity across the black and white wires on the GFC controller.

Is there continuity?

Remove operating unit wires, connect the red and brown wires to the 12v terminal of the battery and the black of the negative terminal of the battery.

Does the pump activate?

Find the problem causing this voltage drop in the tow wiring. Call Demco tech line 800.543.3626