



Troubleshooting trailer issues

To assist in keeping your trailer on the road and rolling, the following troubleshooting guide has been prepared for your convenience. You can avoid serious delay and downtime in servicing your trailer if the cause of the trouble can be diagnosed and corrected quickly by you.

NOTE: Observe the day-to-day care recommendations. Watch for the symptoms described below and contact Palmer Leasing for any required service. Use only the recommended lubricants and parts conforming to the trailers manufacturer specifications.

Brakes

Brakes will not release.

Probable Cause

Low Air Pressure
Brake shoes bound up at cams
Brake hoses restricted
Brake out of adjustment.
Damaged brake assembly.

Remedy

Check air line connections & verify sufficient air in tank
Lubricate brake operating parts.
Replace hoses.
Adjust brakes.
Bring trailer to Palmer Leasing for repair

No breaks or insuffencent brakes.

Probable Cause

Source of air supply shut off at tractor
Low brake line pressure
Brake lines between tractor and trailer not properly coupled
Reservoir drain cock open

Remedy

Push control valve IN
Check air pressure gauge on tractor - Inoperative compressor
Properly couple brake lines
Close drain cock.

Slow brake application or release.

Probable Cause

Lack of lubrication
Excessive travel in brake chamber
Restriction in hose or line
Defective brake valve

Remedy

Lubricate brake operating parts
Adjust brakes
Replace brake hose or line
Replace brake valve

Brakes grabbing.

Probable Cause

Foreign material on brake lining
Brakes out of adjustment

Remedy

Reline brakes
Adjust brakes



Brake drum out-of-round
Damaged brake chamber or internal assembly
Leaky or broken hose between relay valve and brake chamber

Replace brake drum
Bring trailer to Palmer Leasing for repair
Replace or repair as required

Brakes dragging.

Probable Cause

Out of adjustment
Binding cam, anchor pins or chamber rod end pin
Damaged brake assembly or brake drum out-of-round

Remedy

Adjust brakes
Lubricate and free up
Replace

Wheels, tires and alignment

Issues with rims and axles

Probable Cause

Broken or cracked spring
Weak spring
Axle out of alignment
Tracking to one side or excess
Tire wobble due to uneven rim clamping
Burnt, worn or damaged wheel bearings
Bent wheel or rim
Bent axle
Leaking oil

Remedy

Replace complete spring
Replace complete spring
Align axles
Align axles tire wear
Torque tighten all rim clamps
Replace bearings
Replace wheel or rim
Replace or straighten axle
Replace wheel seals

Tracking to one side

Probable Cause

Leaf spring broken
Bent axle
Axles out of alignment

Remedy

Replace complete spring
Replace or straighten axle
Align axles

Loss of Tire Air Pressure

Probable Cause

Puncture in tire
Faulty valve or valve core

Remedy

Repair or replace tire
Replace valve assembly or core

Uneven Tire Wear

Probable Cause

Over and under inflation
Loose wheel stud nuts or clamps

Remedy

Inflate to proper pressure
Tighten wheel stud nuts or clamps



Loose or tight wheel bearing adjustment
Axle bent or out of alignment
Tires not properly matched
Improper brake actuation
Rapid stopping
High speed driving on turns

Adjust bearings
Straighten, align, or replace axle
Match tires
Correct brakes as required
Apply brakes slowly when approaching stop
Reduce speed

Landing Gear

Wont crank/Hard cranking

Probable Cause

Bent crank shaft
Bent cross shaft
Lack of lubricant or correct lubricant
Gears or components damaged
Jackscrew nut jammed

Remedy

Straighten or replace shaft
Replace shaft
Lubricate in accordance with lubrication chart
Free up or replace
Replace inner leg assembly

Electrical System

Probable Cause

Circuit breaker kicks off
Wires burned
Contact points dirty or corroded
Loss of ground at bulb

Remedy

Correct short. Splice or repair wiring
Replace wiring
Remove lamp unit and clean
Repair as necessary

Complete Loss of Trailer Lights

Probable Cause

Broken main harness
Blown fuse or breaker
Broken ground lead between tractor and trailer
Loose or corroded connection in ground lead between tractor and trailer

Remedy

Repair or replace wire
Replace fuse
Check, repair or replace jumper cable if equipped
Repair or replace

Dim or Flighering Lights

Probable Cause

Battery on tractor not sufficiently charged
Damaged wire in jumper cable
Dirty or corroded contact blades
Loose connection
Poor ground at socket

Remedy

Charge battery
Repair or replace wire
Clean contact blades
Repair as necessary
Repair as necessary

Hydraulic System

Cylinder Will Not Operate



Probable Cause

- Insufficient oil level
- Restriction of oil flow
- Pump is worn
- Hydraulic hose not connected
- Restricted control linkage
- Broken key or keyway in drive

Cylinder Will Not Hold

Probable Cause

- Air in hydraulic system
- Valve control level not in hold position
- Worn control valve
- Worn pump

Noisy Pump

Probable Cause

- Air in hydraulic system
- Restriction of oil flow
- Insufficient oil supply
- PTO running at excessive RPM
- Water in oil
- Dirty or contaminated oil
- Use of wrong viscosity or type oil
- Worn or damaged pump

Remedy

- Fill reservoir to proper level
- Remove restriction
- Repair or replace pump
- Connect a hose
- Check and repair linkage
- Repair or replace key or keyway

Remedy

- Bleed system by making several cycles
- Check and repair linkage
- Replace or repair valve
- Replace or repair pump

Remedy

- Bleed system of air
- Drain tank and remove restriction
- Fill reservoir
- Lower PTO RPM's
- Drain system and replace oil
- Drain system and replace oil
- Drain. Replace with recommended oil
- Replace pump

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