

# Hydraulic Troubleshooting - Automatic Balers

## Mesh Wrap Feed Rolls Will Not Move From The Feed Position

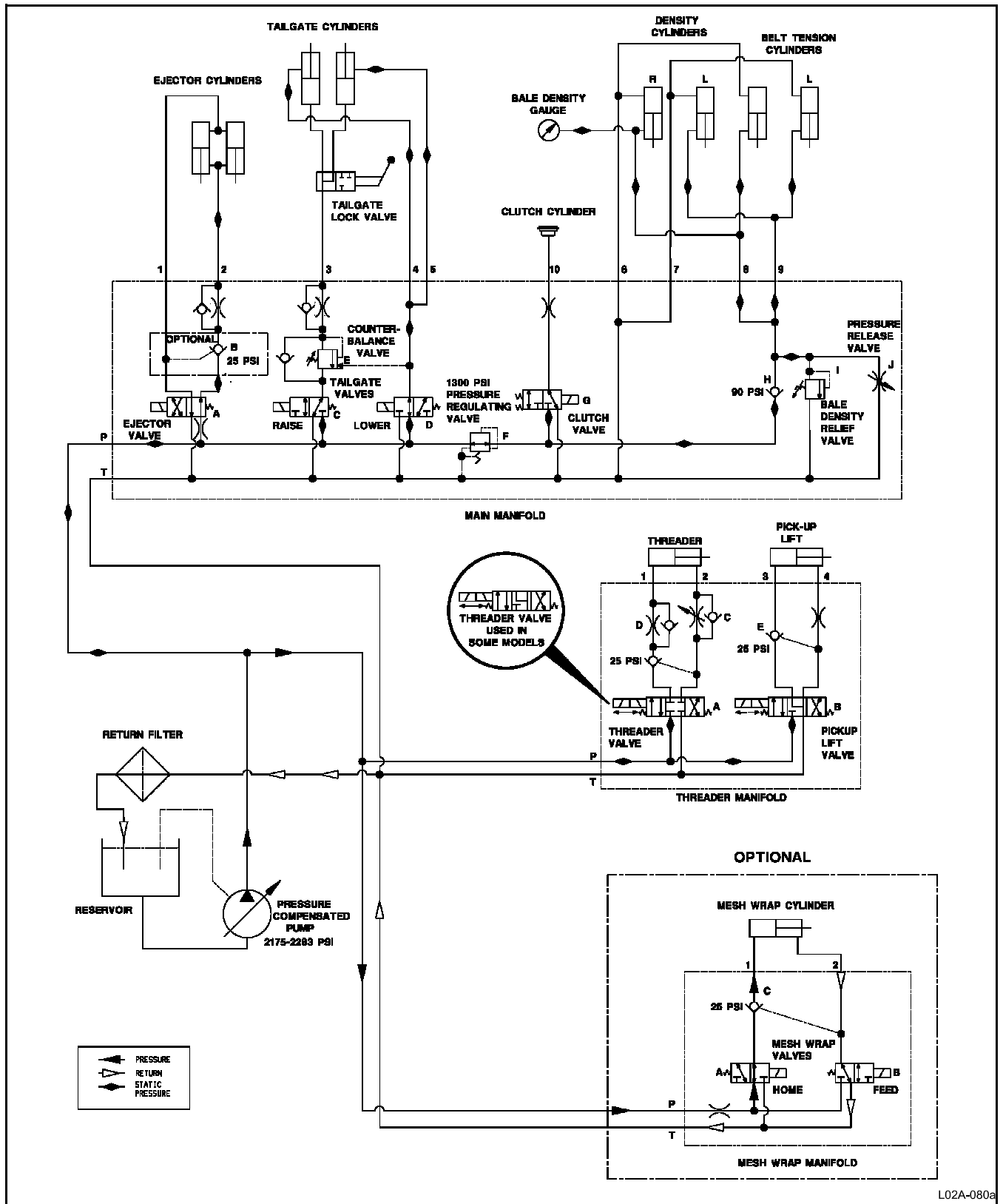


FIG. 17

FIG. 17: Mesh feed roll moving home

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*NOTE: Before troubleshooting a circuit, check the operation of all the circuits in the manual mode. A problem such as a leaking piston seal can cause a malfunction in more than one circuit.*

1. The problem can be caused by the pressure release valve in port J of the main control valve not being completely closed. Make sure the knob on the pressure release valve is turned all the way clockwise.
2. Check to make sure that the oil reservoir is full of oil. A low oil level will cause air to enter the hydraulic system. Air in the hydraulic system will cause erratic oil pressures. See the Specifications section for the correct quantity and type of oil.
3. The problem can be a broken drive chain for the hydraulic pump. Check the drive chain and repair as necessary.
4. The problem can be caused by an electrical problem with the mesh wrap solenoid or mesh wrap solenoid circuit. The problem can be caused by a switch if the auto mode is used to wrap the bale. See Mesh Wrap Feed Rolls Will Not Move To The Home Position under Troubleshooting in the Electrical - Automatic Balers section.
5. The problem can be caused by the spool for the mesh wrap solenoid valve not moving or only moving part way. See Mesh Wrap Valve in the Hydraulic Repair - Automatic Balers section to check or replace the mesh wrap solenoid valve.

*NOTE: Follow the procedure at Mesh Wrap Valve when removing or installing a valve. It is important that the procedure be followed to prevent injury, from high pressure in the system. It is important that both the valve and the coil be tightened correctly to prevent damage.*

6. The problem can be caused by bad piston seals in the mesh wrap cylinder. Oil flows around the piston seals so there is not enough pressure available to extend the mesh wrap cylinder. See Checking a Cylinder for Bad Piston Seals in this section.
7. The problem can be caused by the pilot operated check valve in port C of the mesh wrap valve not operating correctly. If pilot operated check valve does not open, the oil cannot be forced from the rod end of the mesh wrap cylinder. When the oil is blocked in the rod end of the mesh wrap cylinder, the mesh wrap cylinder cannot extend the mesh wrap feed rolls. See Mesh Wrap Valve in the Hydraulic Repair - Automatic Balers section to check or replace the pilot operated check valve C.
8. The problem can be caused by a damaged pump or pressure compensator. A pressure compensator, mounted on the pump, controls system pressure during operation. See Hydraulic Pump in the Hydraulic Repair - Automatic Balers section.