

Adjusting the 38187 ATRS Valve Package

Purpose

The purpose of the ATRS system is to provide temporary roof support while permanent roof support is being installed. The ATRS package valve is used to limit the maximum pressure applied to the raise cylinder and prevents the ATRS from retracting under a load.

Function

How to adjust the 38187 ATRS valve package to JH Fletcher’s factory specifications.

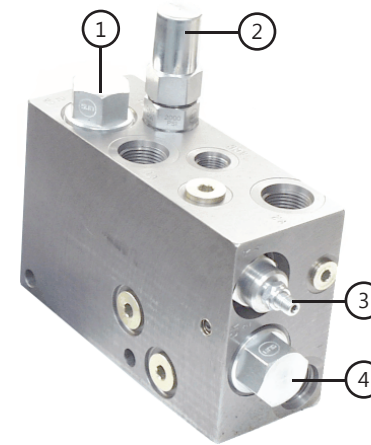
Tools Needed

- 5/32" Allen Wrench
- 9/16" Open or Box End Wrench
- Select and Use  Before Starting Job

Machine Setup

1. Locate the machine in a safe area, under permanent roof support and outby the working face.

Figure 1



Component Parts (Fig. 1)

ITEM	DESCRIPTION
1	Check Valve (p/n 33733)
2	Counterbalance Valve (p/n 36852)
3	Relief Valve (p/n 37919)
4	Check Valve (p/n 33733)

 **WARNING**

Stand clear of the ATRS while adjustments are being made. During the adjustment procedure, the ATRS will be in motion. Coming in contact with the ATRS while it is in motion could result in serious injury or death.

Adjustment Procedure

DANGER

Machine adjustments are to be made by properly trained and authorized personnel only.

Improper machine adjustments can create serious safety hazards.

Refer to the service manual provided with your machine for complete maintenance instructions.

WARNING

The counterbalance valve is pre-set by the valve manufacturer and should not be re-adjusted. Attempting to adjust the counterbalance valve could cause the ATRS to malfunction, causing serious injury or death.

1. Turn the relief valve (item #3 in figure 1) fully outward (CCW) to the lowest pressure setting.
2. Start the machine.
3. Stall the circuit by fully actuating, and holding fully actuated, the ATRS raise control handle in the direction for ATRS raise.
4. With the ATRS circuit stalled, turn inward (CW) on the relief valve until the ATRS pressure gauge reads the recommend pressure.

NOTICE

For recommended pressures, refer to the machine specific hydraulic schematic.

5. Lock down the setting.
6. Lower the ATRS.
7. Fully raise the ATRS, checking for proper operation and relief valve pressure setting.

NOTICE

For the proper operation of the ATRS system, refer to the machine specific operator's manual.