

3.3.7 Driver's Back-Up Valve (Figure 3-20)

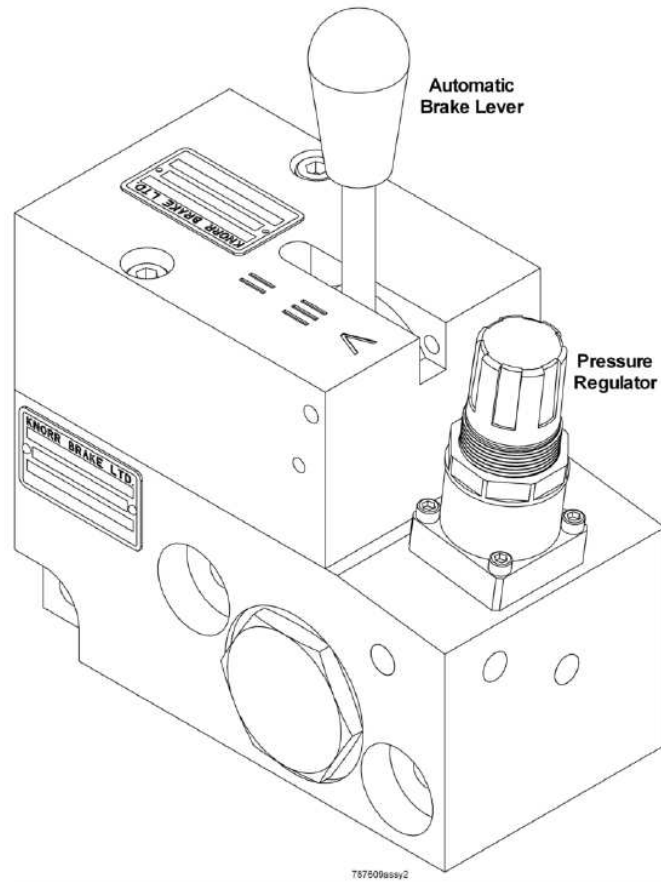


Figure 3-20 Driver's Brake Valve

The Driver's Back-Up Brake Valve (BU-DBV) provides a pneumatic means to control the train brake in the event that the CCB electronically controlled brake system is non-functional. The BU-DBV consists of a manually set PRESSURE REGULATOR and AUTOMATIC BRAKE lever (see Figure 3-20) to control pneumatic equalizing reservoir pressure and as a result brake pipe pressure.

Operation

Adjustment of pneumatic equalizing reservoir pressure is performed in the Release position by turning the PRESSURE REGULATOR adjustment knob in the desired direction to achieve the desired pneumatic equalizing reservoir train brake release pressure. The self-lapping feature of the PRESSURE REGULATOR maintains the pneumatic equalizing reservoir pressure against leakage.

The AUTOMATIC BRAKE lever is manually controlled to charge and reduce pneumatic equalizing reservoir pressure. The time duration that the brake lever is placed into the Release zone or Apply zone will determine the amount of pneumatic equalizing reservoir pressure charge or reduction that will occur, respectively.