

D-7 COUPLING UNITS IN MULTIPLE

When coupling MU air hoses, care must be exercised to insure that compatible hoses are connected that Independent Application and Release (A&R) hoses and Actuating (ACT) hoses are not crossed.

Condensation should be blown from hoses before coupling. A visual inspection for hose defects and hose gaskets should be made prior to coupling.

When coupling No. 6 equipment (not equipped with Actuating hose) to 26L or 24RL type:

1. Brake Cylinder Equalizing hose must be connected to the A&R hose.
2. Main Reservoir hose connected to Main Reservoir hose.
3. Actuating hose on 26L NOT connected and end cock closed.

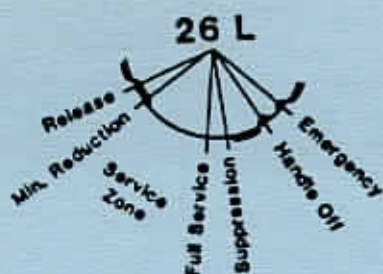
AIR BRAKE EQUIPMENT POSITIONS 26-L, 26-LA & 26-NL

MODE OF OPERATION	AUTOMATIC BRAKE VALVE		INDEPENDENT BRAKE VALVE		
	HANDLE	CUT-OUT COCK	HANDLE	MU-2-A VALVE (3-POSITION)	DUAL-PORTED COCK (2-POSITION)
LEAD OR SINGLE	RELEASE	IN (OPEN)	RELEASE	LEAD OR DEAD	IN (OPEN)
TRAILING	HANDLE OFF & REMOVED	OUT (CLOSED)	RELEASE & REMOVED	• TRAIL	OUT (CLOSED)
HELPER (Leading Unit)	SUPPRESSION	OUT (CLOSED)	RELEASE	LEAD OR DEAD	IN (OPEN)

AIR BRAKE EQUIPMENT POSITIONS 24-RL

MODE OF OPERATION	AUTOMATIC BRAKE VALVE		INDEPENDENT BRAKE VALVE	
	HANDLE	CUT-OUT COCK	HANDLE	ROTAIR VALVE
LEAD OR SINGLE	RUNNING	OPEN	RELEASE	PASSENGER
TRAILING	RUNNING Handle Removed	CLOSED	RELEASE Handle Removed	PASSENGER LAP
HELPER (Leading Unit)	RUNNING	CLOSED	RELEASED	PASSENGER

HANDLE POSITIONS



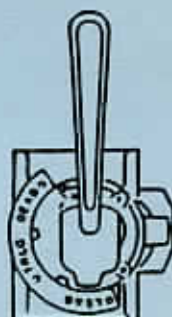
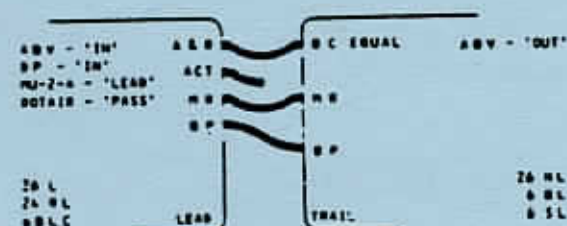
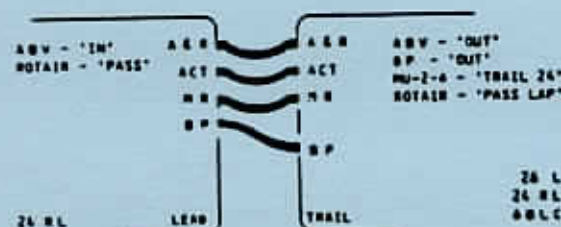
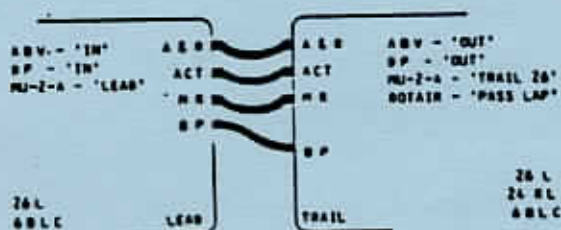
AIR BRAKE EQUIPMENT POSITIONS 6-BLC, 6 SL, 6 BL & 14 EL

MODE OF OPERATION	AUTOMATIC BRAKE VALVE			INDEPENDENT BRAKE VALVE	
	HANDLE	2-POSITION CUT-OUT COCK	3-POSITION CUT-OUT COCK	HANDLE	2-POSITION MU-2-A OR DUAL-PORTED COCK (IF EQUIPPED)
LEAD OR SINGLE	RUNNING	OPEN	LEAD	RELEASE	IN
TRAILING WITH 3-POSITION CUT-OUT COCK	LAP Handle Removed		TRAIL	RELEASE	OUT
HELPER (Leading Unit)	RUNNING	CLOSED	DEAD	RELEASE	IN

MULTIPLE UNIT AIR HOSE CONNECTIONS

LEGEND

A & R INDEPENDENT APPLICATION & RELEASE
 ACT ACTUATING
 MR MAIN RESERVOIR
 BP BRAKE PIPE
 ABV AUTOMATIC BRAKE VALVE
 DP DUAL-PORTED CUT-OUT COCK



**3-Position
Cut-Out Cock**



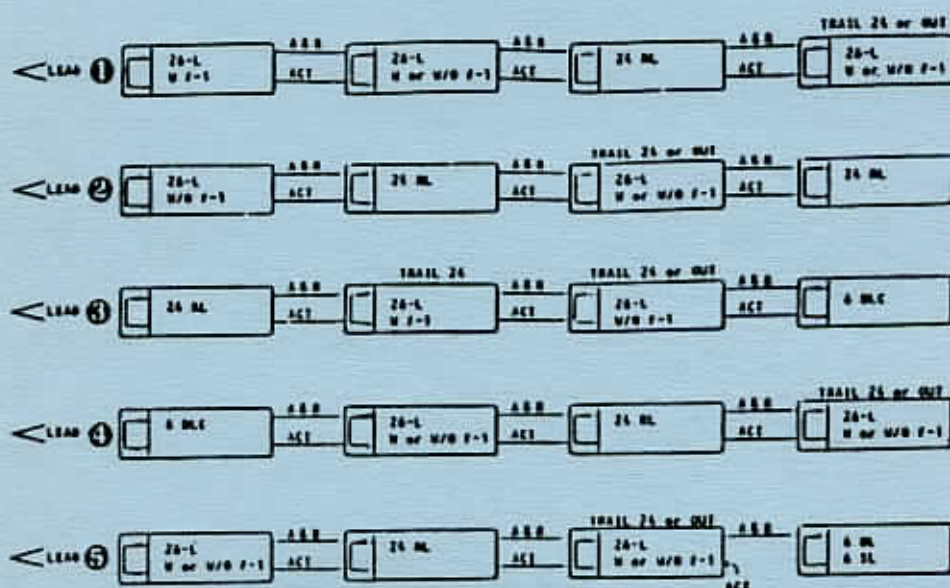
M U 2-A Valve



Rotair Valve

LEGEND

IN-OUT	Positions of DUAL-PORTED CUT-OUT COCK
TRAIL 24	MU-2-A VALVE Position
A & R	Independent APPLICATION & RELEASE pipe or BRAKE CYLINDER EQUALIZING pipe
ACT	ACTUATING pipe
WF-1	With F-1 SELECTOR valve
W/O F-1	Without F-1 SELECTOR valve



M U Combinations for Independent Brake Control

Note: Standard 6 BL or 6 SL Air Brake Equipment should NOT be coupled in multiple ahead of 24 RL Equipment.

In combination 5, with 6 BL or 6 SL equipment in the consist, when an Automatic brake application has been "bailed-off" and the Independent brake reapplied, it will be necessary to again "bail-off" when releasing to insure release of the 6 BL or 6 SL brakes.