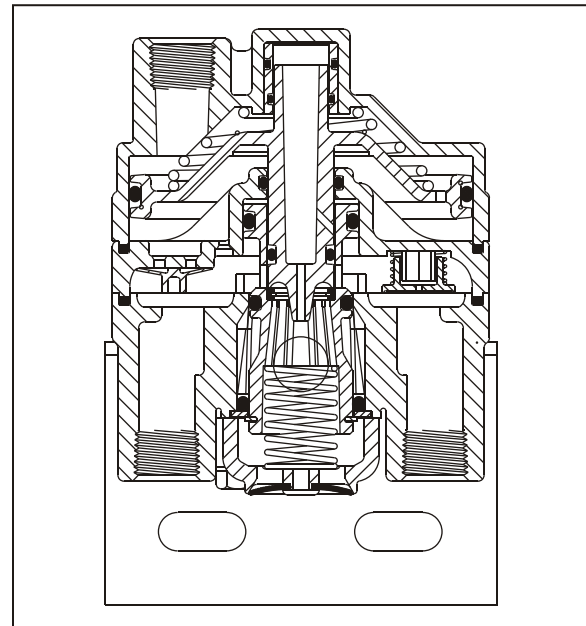
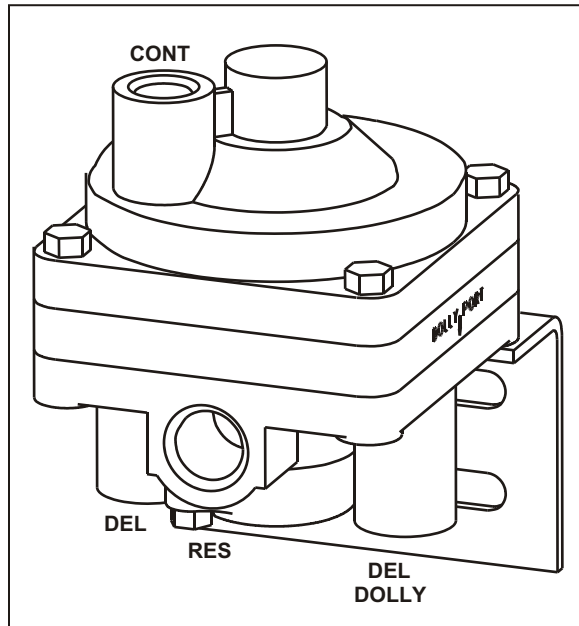


CONTROL LINE VALVES

Control Line Valves – Dollies & Turnable Axles



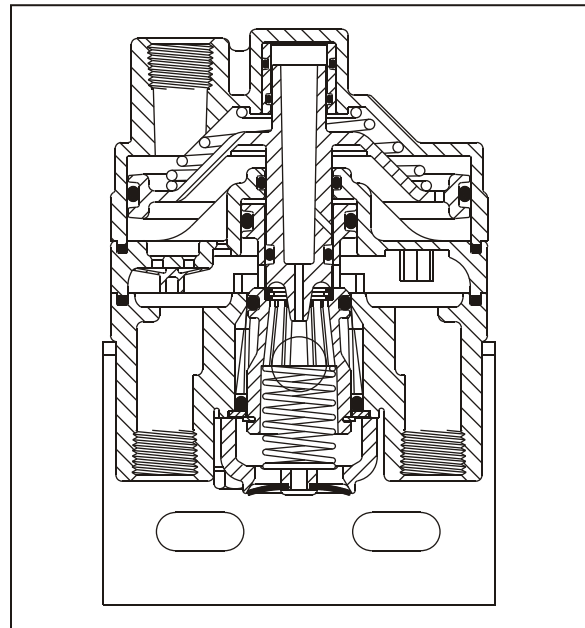
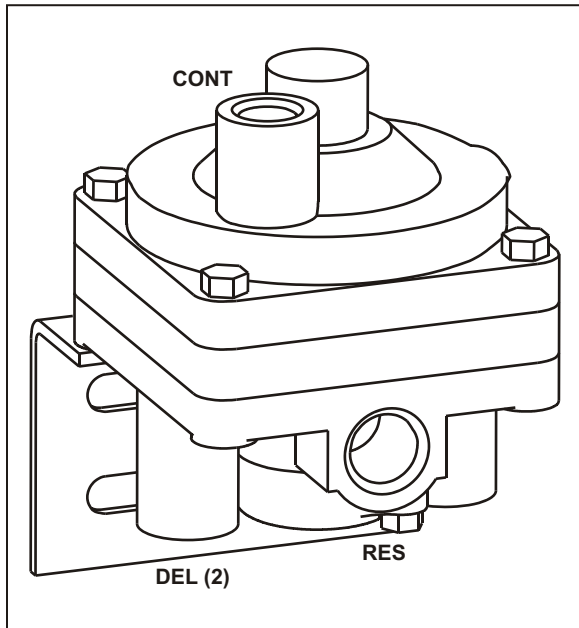
INFORMATION:

- Complies with all changes to FMVSS 121, Docket 85-07, Notice 7
- Primarily used on dollies & turnable axles on pull, transfer & B-train type trailers
- The dolly port of the Control Line valve is plumbed to the Relay Emergency Valve or ABS ECU to control the service brakes
- Provides a balanced control line signal for uniform braking of multi-axle combination vehicles
- Prevents premature braking of the steerable axle(s) in combination vehicles for maximum lateral stability while stopping.
- Improves the release of service brakes in the tractor/trailer combination eliminating trailer brake drag complaints
- Mounting Hardware on pages 61 & 62
- Piping examples on page 73

PART NUMBER	PORT SIZES (NPT)				NOMINAL CRACK PRESSURE	COMMENTS
	Control	Reservoir	Dolly	Delivery		
110570	3/8"	1/2"	3/8"	3/8"	0.0 psi	Includes Bracket as shown
110571	3/8"	1/2"	3/8"	3/8"	0.0 psi	Includes Bracket reversed
110690	3/8"	1/2"	3/8"	3/8"	0.0 psi	110570 without Bracket
110606	3/8"	1/2"	3/8"	3/8"	0.0 psi	110690 w/ 10200 1/2 Check Valve

CONTROL LINE VALVES

Control Line Valves – Trailers



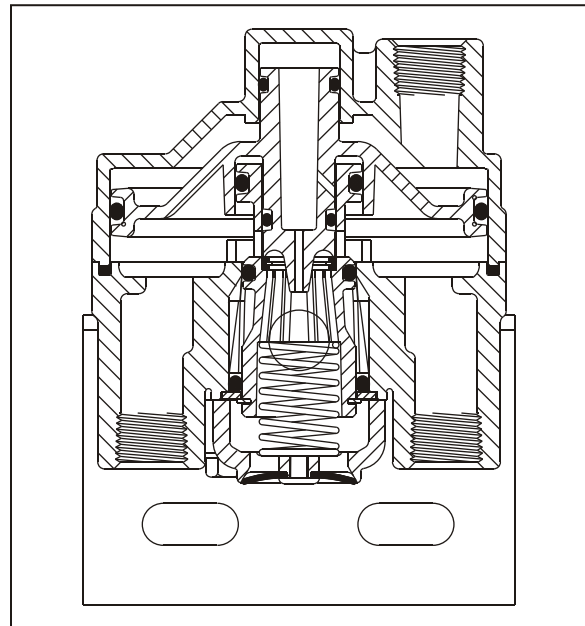
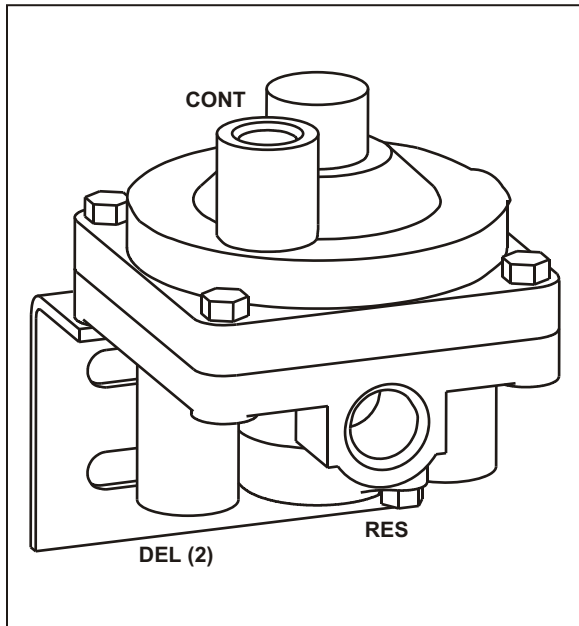
INFORMATION:

- Complies with all changes to FMVSS 121, Docket 85-07, Notice 7
- Primarily used on trailers designed to tow another trailer, long wheel base sliding tandems & specialty trailers with multiple axles
- Provides a balanced control line signal for uniform braking of multi-axle combination vehicles
- Improves application timing of service brakes in rearmost axles of long wheel base tractor/trailer combinations
- Improves the release of service brakes in the tractor/trailer combination eliminating trailer brake drag complaints.
- Mounting Hardware on pages 61 & 62
- Piping examples on page 72

PART NUMBER	PORT SIZES (NPT)			NOMINAL CRACK PRESSURE	COMMENTS
	Control	Reservoir	Delivery (2)		
110580	3/8"	1/2"	3/8"	0.0 psi	Includes Bracket as shown
110582	3/8"	1/2"	3/8"	0.0 psi	110580 with Bracket on top
110588	3/8"	1/2"	3/8"	0.0 psi	110580 with Bracket at 90° down
110605	3/8"	1/2"	3/8"	0.0 psi	110580 with 10200 1/2 Check Valve
110790	3/8"	1/2"	3/8"	0.0 psi	110580 without Bracket

CONTROL LINE VALVES

Control Line Valve – Trailers



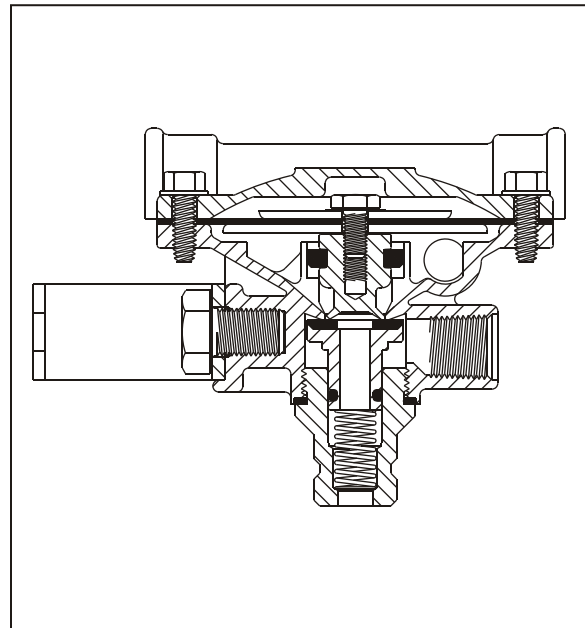
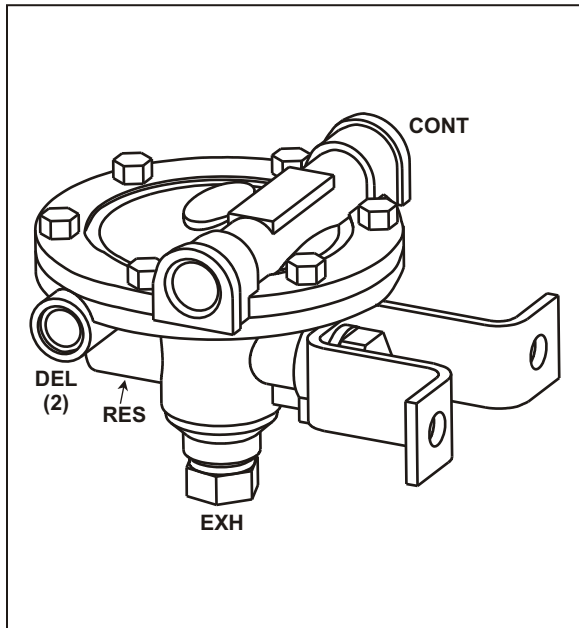
INFORMATION:

- Complies with brake timing changes in FMVSS 121, Docket 85-07, Notice 4 from May 1991 to August 1993
- Primarily used on trailers with long wheel base sliding tandems & trailers not designed to tow another trailer for improved application and release timing
- Plug all unused ports
- Can be replaced by Sealco 110580

PART NUMBER	PORT SIZES (NPTF)			NOMINAL CRACK PRESSURE	COMMENTS
	Control	Reservoir	Delivery (2)		
110365	3/8"	1/2"	3/8"	1.5 psi	Includes Bracket as shown

CONTROL LINE VALVES

Control Line Valve (Mini Valve) – Dollies



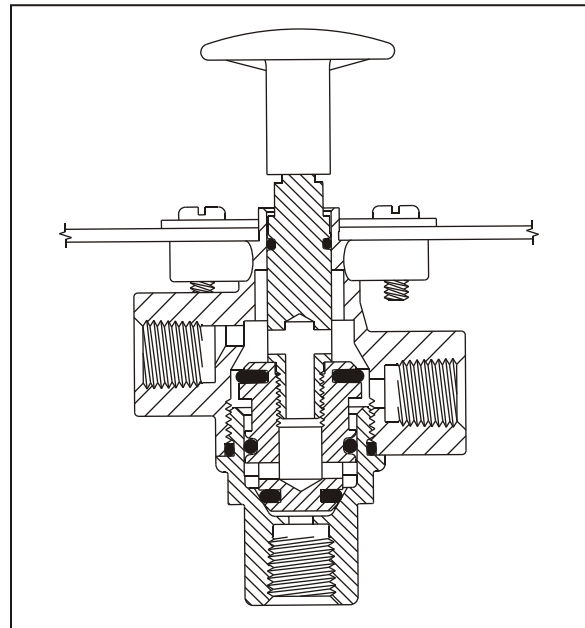
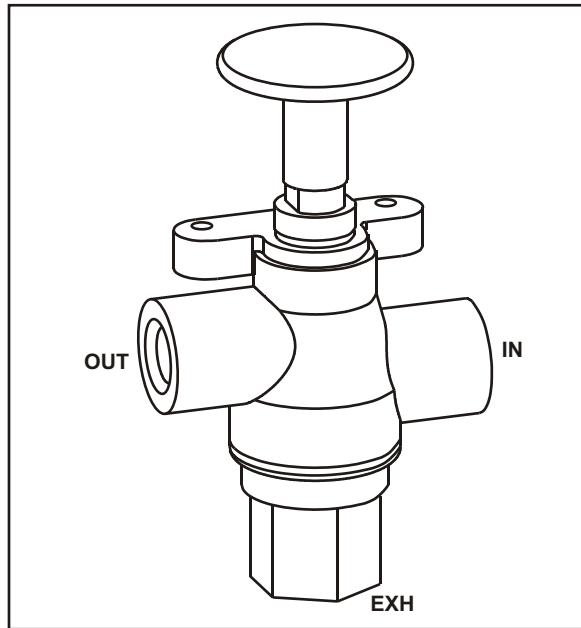
INFORMATION:

- Early version control line valve used primarily on dollies
- Complies with brake timing changes in FMVSS 121, Docket 85-07, Notice 4 from May 1991 to August 1993
- Improves application and release of brakes on dollies and rearmost trailer axles in double and triple trailer combinations.
- Plug all unused ports
- Can be replaced by Sealco 110570 or 110580
- **PLUG UNIT ASSEMBLY 3100-5**
- **RUBBER REPAIR KIT 31-5**

PART NUMBER	PORT SIZES (NPT)			NOMINAL CRACK PRESSURE
	Control	Reservoir	Delivery (2)	
3100	1/4"	3/8"	1/4"	2.5 psi

HAND CONTROL VALVES

Manual Push - Pull Valves (Two Hole Mounting)



INFORMATION: • Commonly used as dash valve inside tractor or truck except 17600B which is used outside on dollies & trailers

- Piping examples on page 73
- * Utilizes long shaft
- **REPAIR KIT 176-5**



PLATE 817

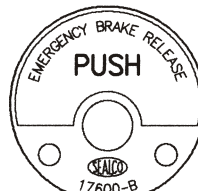


PLATE 826

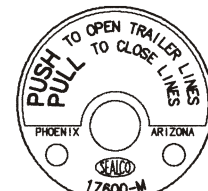
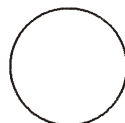


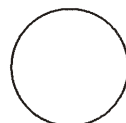
PLATE 855



KNOB 13 (BLACK PLASTIC)



KNOB 13-1 (BLACK PLASTIC)



KNOB 0190 (BLACK METAL)

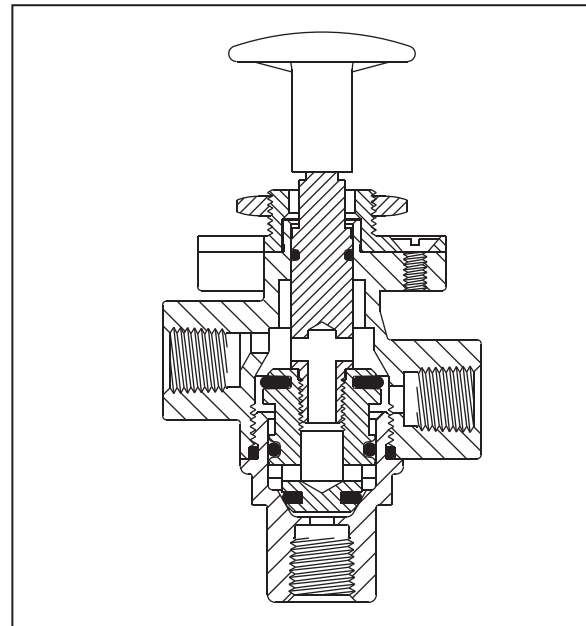
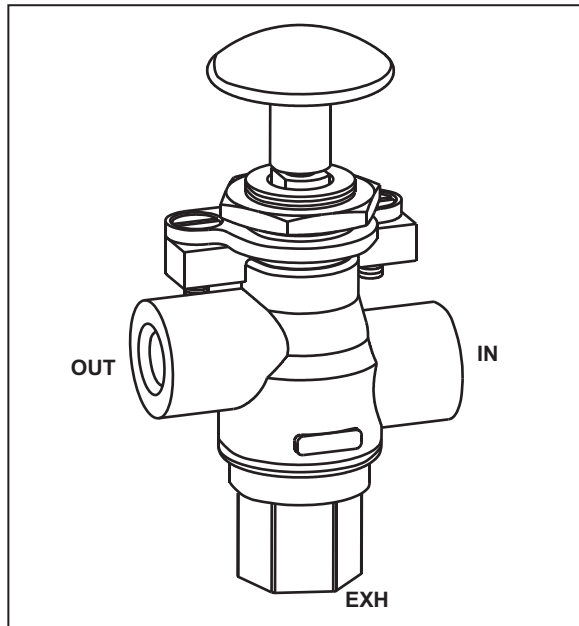


KNOB 9008 (BLACK PLASTIC)

PART NUMBER	NAME PLATE	KNOB	PORT SIZES (NPT)			COMMENTS
			Inlet	Outlet	Exhaust	
17600	817	13	1/4"	1/4"	1/4"	Cab Control
17600B	826	13	1/4"	1/4"	1/4"	Dolly & Trailer Park Brake Release
17600B-2	-	-	1/4"	1/4"	1/4"	Basic Valve
17600M *	855	13	1/4"	1/4"	1/4"	Use w/ 7700 for Breakaway Conversions
110114	-	9008	1/4"	1/4"	1/4"	Park Brake Release
110274	826	0190	1/4"	1/4"	1/4"	Park Brake Release
110284	-	13	1/4"	1/4"	1/4"	Park Brake Release
110514	817	0190	1/4"	1/4"	1/4"	Cab Control
110644	-	13-1	1/4"	1/4"	1/4"	Contains screws but no plate

HAND CONTROL VALVES

Manual Push - Pull Valves (One Hole Mounting)



INFORMATION: • Commonly used as dash valve inside tractor, truck or dolly • Single hole mounting

• **REPAIR KIT 176-5**



PLATE 844

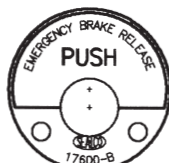


PLATE 8026



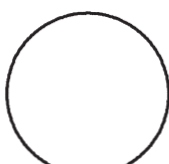
KNOB 13(BLACK PLASTIC)



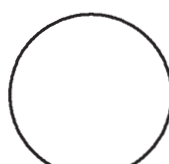
KNOB 13-G(GREEN PLASTIC)



KNOB 13-R(RED PLASTIC)



13-1(BLACK PLASTIC)



KNOB 0190(BLACK METAL)



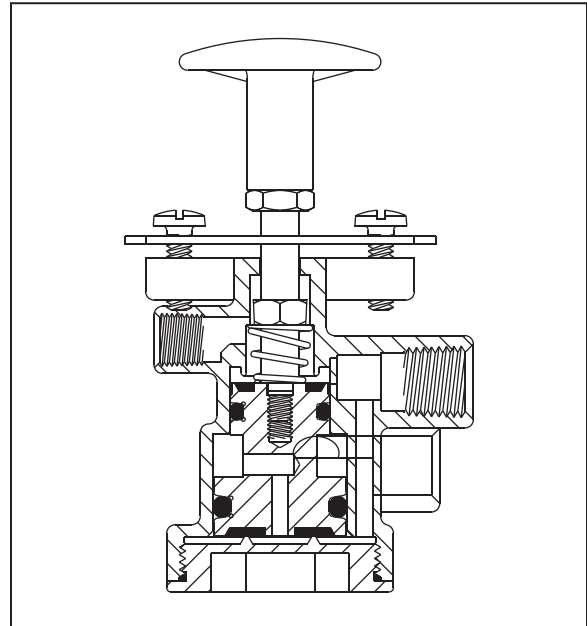
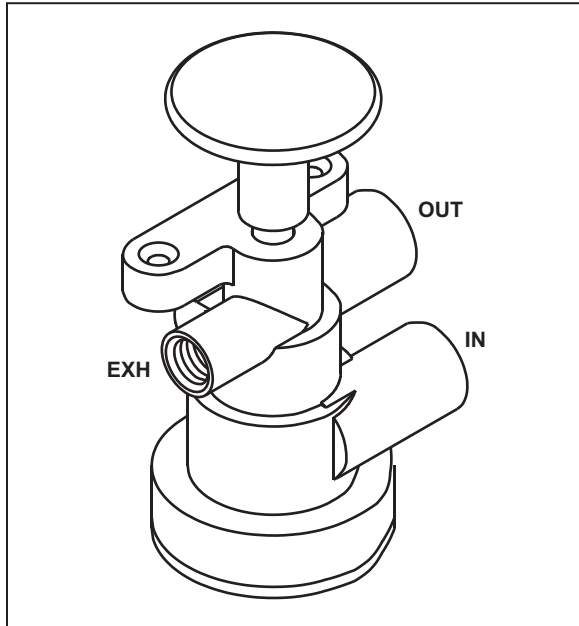
KNOB 9008(BLACK PLASTIC)

PART NUMBER	NAME PLATE	KNOB	PORT SIZES (NPT)			COMMENTS
			Inlet	Outlet	Exhaust	
17600L	844	13	1/4"	1/4"	1/4"	Cab Control
17600LB	8026	13	1/4"	1/4"	1/4"	Park Brake Release
17600LG	-	13R	1/4"	1/4"	1/4"	Park Brake Release
17600LR	-	13R	1/4"	1/4"	1/4"	Cab Control
110252	-	9008	1/4"	1/4"	1/4"	Park Brake Release
110512	-	13-1	1/4"	1/4"	1/4"	Park Brake Release
110760	-	0190	1/4"	1/4"	1/4"	Park Brake Release

HAND CONTROL VALVES



Automatic Shut-off – Pull-Push Valves (Two Hole Mounting)



INFORMATION:

- Commonly used as dash valve inside tractor or truck
- Automatic shut-off when inlet pressure drops below indicated psi
- Double hole mounting
- **SHUTTLE ASSEMBLY 99600-5**
- **MINOR REPAIR KIT 996-5**



KNOB 13(BLACK PLASTIC)



PLATE 806



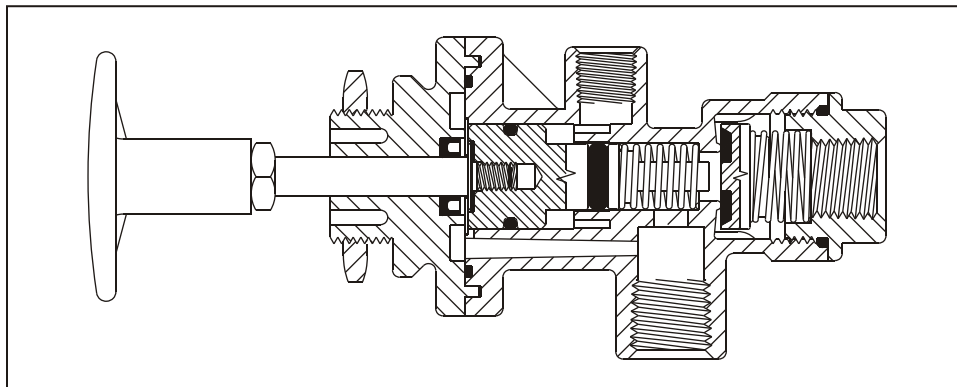
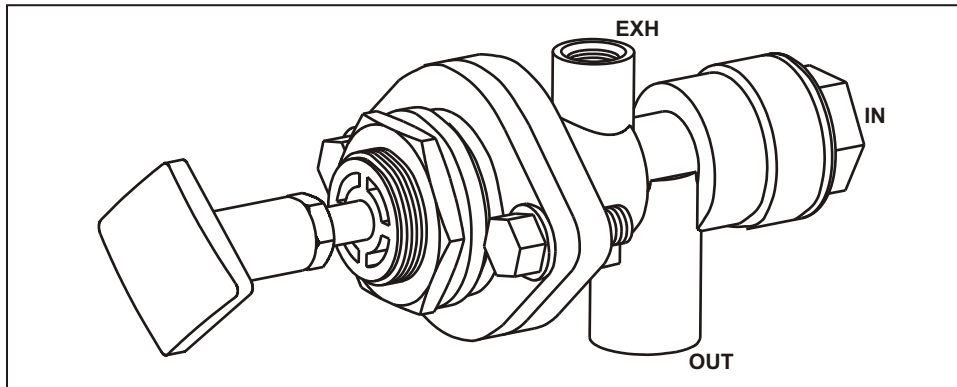
PLATE 819

PART NUMBER	NAME PLATE	KNOB	PORT SIZES (NPT)			SHUT-OFF (PSI)
			Inlet	Outlet	Exhaust	
99600	806	13	1/4"	1/4"	1/8"	30 ± 5
99600B	819	13	1/4"	1/4"	1/8"	30 ± 5
99600-2	-	-	1/4"	1/4"	1/8"	30 ± 5
110189	819	13	1/4"	1/4"	1/8"	45 ± 5
110221	819	13	1/4"	1/4"	1/8"	60 ± 5

HAND CONTROL VALVES



Automatic Shut-off – Push-Pull Valves (One Hole Mounting)



INFORMATION:

- Commonly used as dash valve inside tractor or truck
- Automatic shut-off when inlet pressure drops to 30 ± 5 PSI
- Single hole mounting
- **REPAIR KIT A256-5**



13-Y(YELLOW)

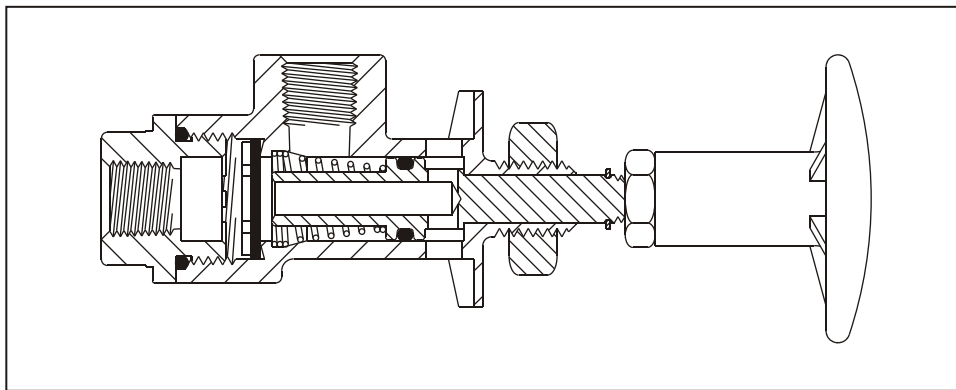
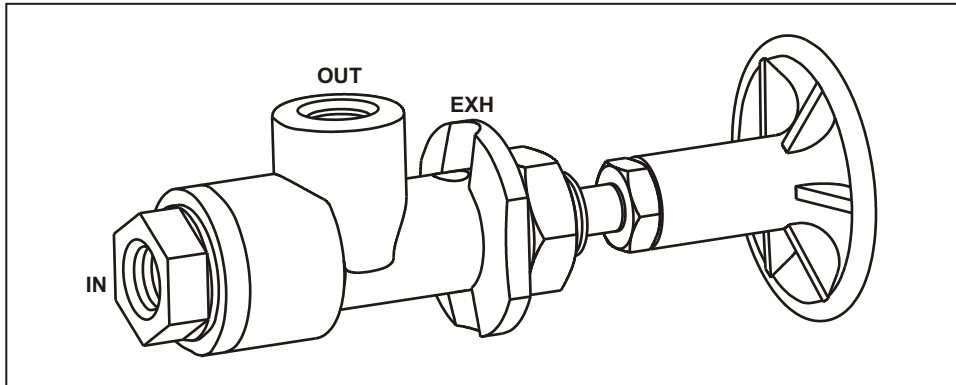


13-R(RED)

PART NUMBER	KNOB	PORT SIZES (NPT)			SHUT-OFF (PSI)
		Inlet	Outlet	Exhaust	
A25600	13R	1/4"	1/4"	1/8"	30 ± 5
A25600Y	13Y	1/4"	1/4"	1/8"	30 ± 5
A25600-2	-	1/4"	1/4"	1/8"	30 ± 5

HAND CONTROL VALVES

Automatic Closing Valves



INFORMATION:

- Commonly used as dash valve inside tractor or truck for applications shown below
- Valve opened manually by holding knob in, automatically closes when force removed

• REPAIR KIT 110241



13-L (BLACK)



13-S (BLACK)

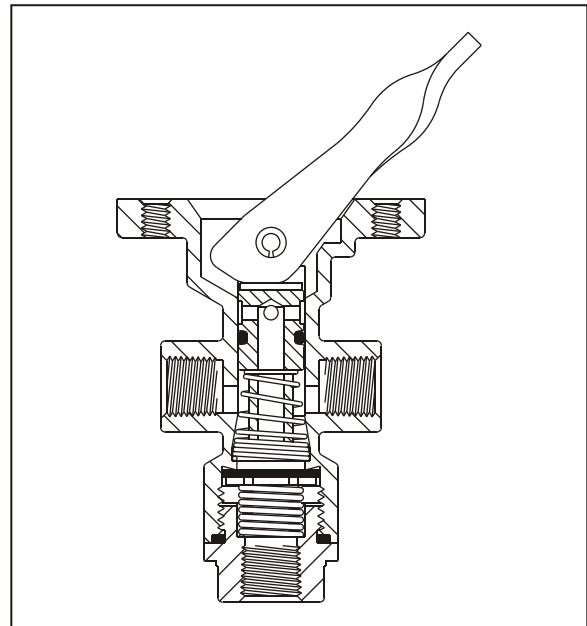
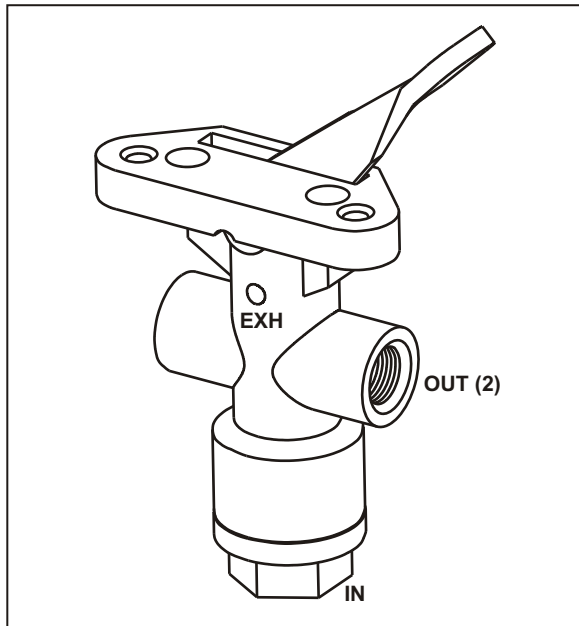


13-G (GREEN)

PART NUMBER	KNOB	PORT SIZES (NPT)		MOUNTING THREAD SIZE	APPLICATION
		Inlet	Outlet		
3450S	13-S	1/8"	1/8"	7/8"	Starter Control
340250	13-S	1/8"	1/8"	1/2"	Starter Control
342501	13-S	1/8"	1/8"	7/16"	Starter Control
3450G	13-G	1/8"	1/8"	7/8"	Emergency Release
340350	13-G	1/8"	1/8"	1/2"	Emergency Release
342502	13-G	1/8"	1/8"	7/16"	Emergency Release
110103	13-L	1/8"	1/8"	1/2"	Differential Lockout

HAND CONTROL VALVES

Lever Control Valves



INFORMATION:

- Used for a variety of applications
- Manual operation
- **REPAIR KIT 110242**

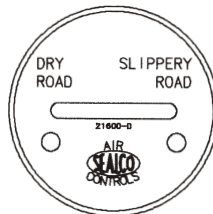


PLATE 812

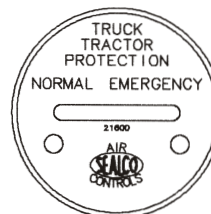


PLATE 821



PLATE 8022

PART NUMBER	NAME PLATE	PORT SIZES (NPT)	
		Inlet	Outlet (2)
21600	821	1/8"	1/8"
21600D	812	1/8"	1/8"
21600-2	None	1/8"	1/8"
110167	None	1/8"	1/8"
110300	8097	1/8"	1/8"
110301	8098	1/8"	1/8"
110413	8116	1/8"	1/8"
216050	8023	1/8"	1/8"
216100	8007	1/8"	1/8"
216200	8022	1/8"	1/8"

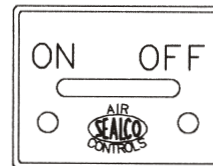


PLATE 8023

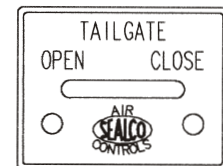


PLATE 8097

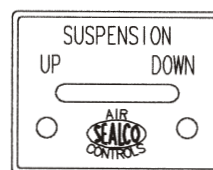


PLATE 8098

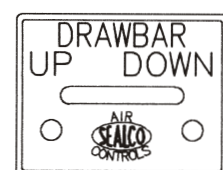
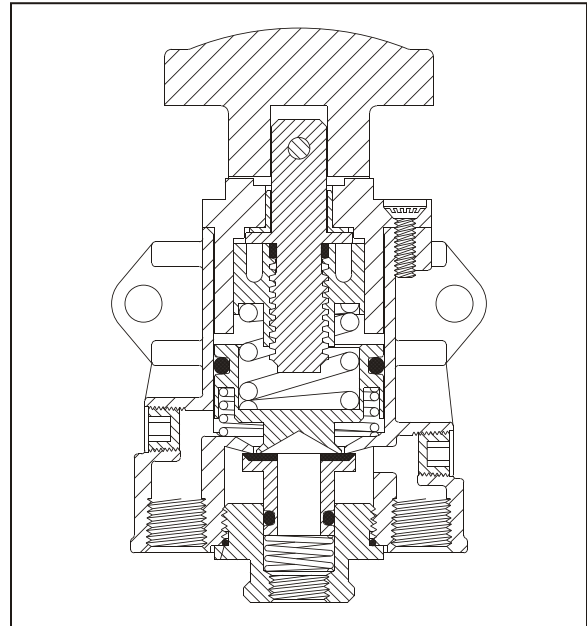
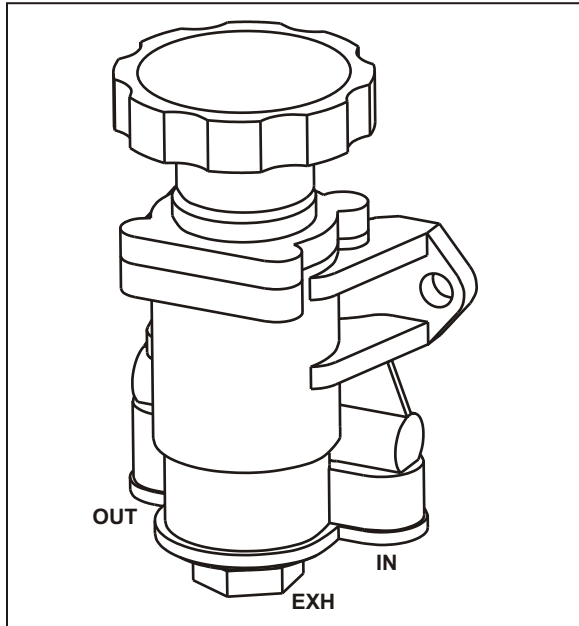


PLATE 8116

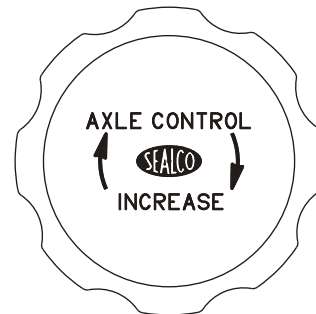
HAND CONTROL VALVES

Pressure Control Valve



INFORMATION:

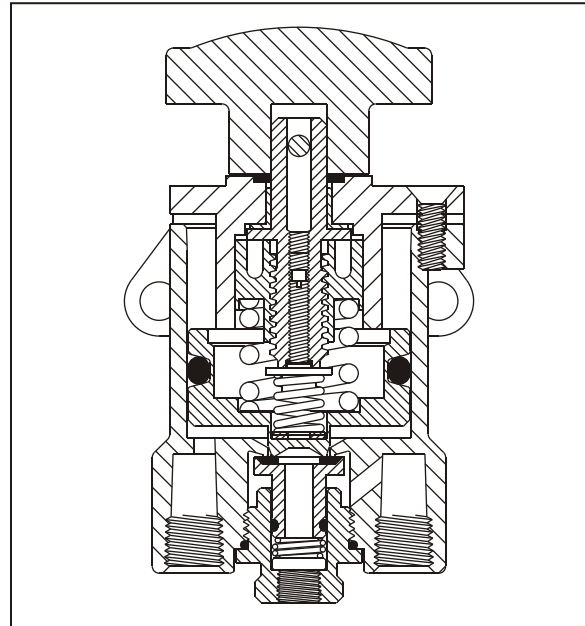
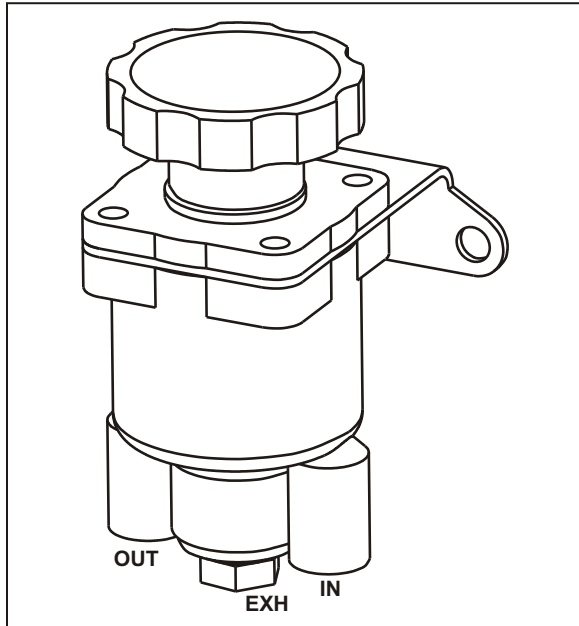
- Commonly used on tractor tag axles & pusher axles
- Manual knob operation
- **PLUG UNIT 5900-5**
- **REPAIR KIT 59-5**



PART NUMBER	PORT SIZES (NPT)			NOMINAL PRESSURE SETTING
	Inlet	Outlet	Exhaust	
5400	1/4"	1/4"	1/4"	0 psi to Reservoir Pressure

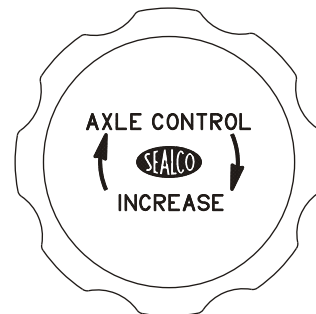
HAND CONTROL VALVES

Pressure Control Valves



INFORMATION:

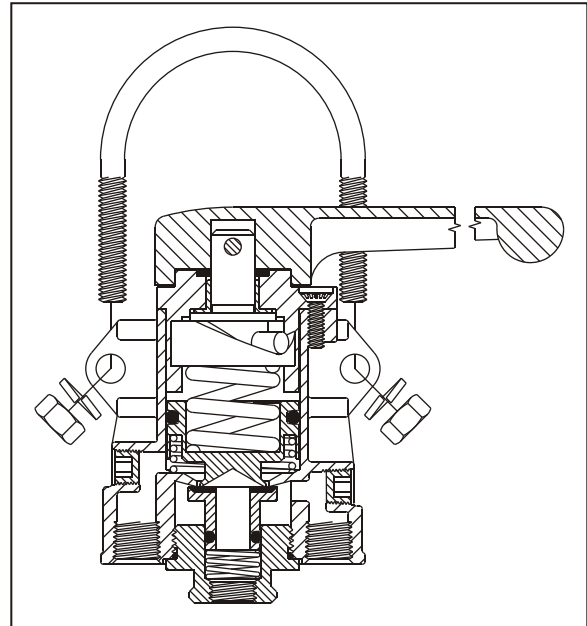
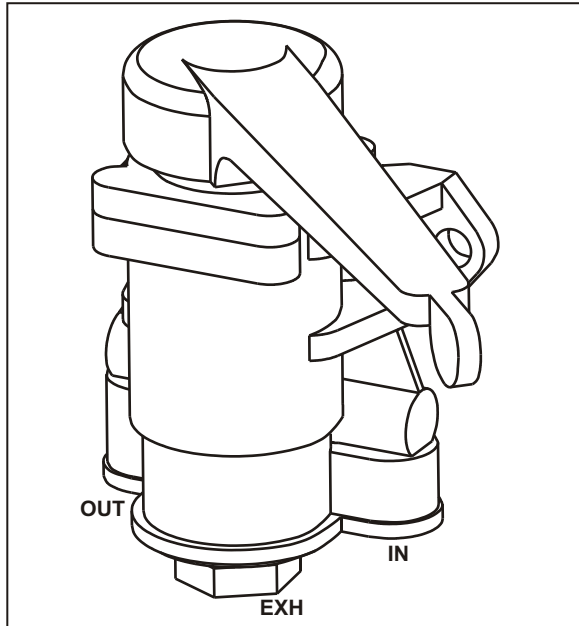
- Commonly used on tractor tag axles & pusher axles
- Manual knob operation
- **PLUG UNIT 9400-5**
- **REPAIR KIT 94-5**



PART NUMBER	PORT SIZES (NPT)			NOMINAL PRESSURE SETTING
	Inlet	Outlet	Exhaust	
9400	1/4"	1/4"	1/8"	5 to 6 psi to 85 psi Max.
940000	1/4"	1/4"	1/8"	0 psi to Reservoir Pressure

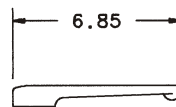
HAND CONTROL VALVES

Trailer Brake Hand Valves

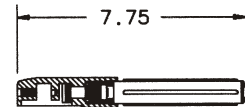


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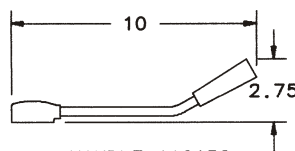
- Commonly used inside tractor cab to operate trailer brakes
- Not to be used for parking
- **PLUG UNIT 5900-5**
- **MINOR PLUG KIT 59-5**



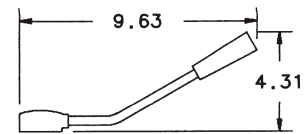
HANDLE 110176



HANDLE 110149



HANDLE 110152



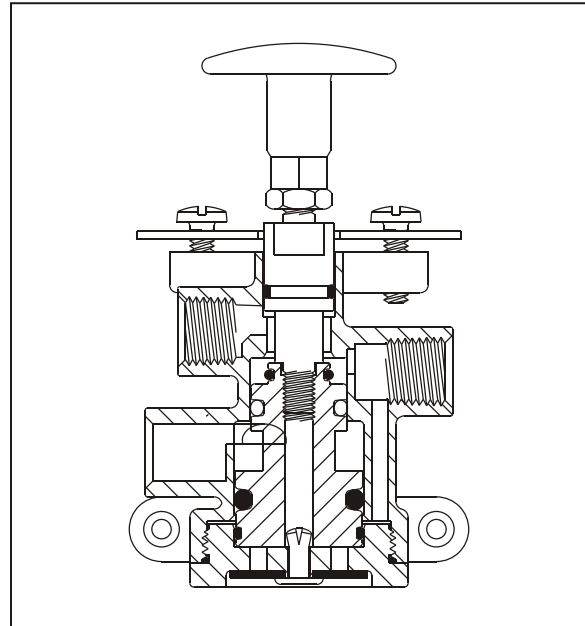
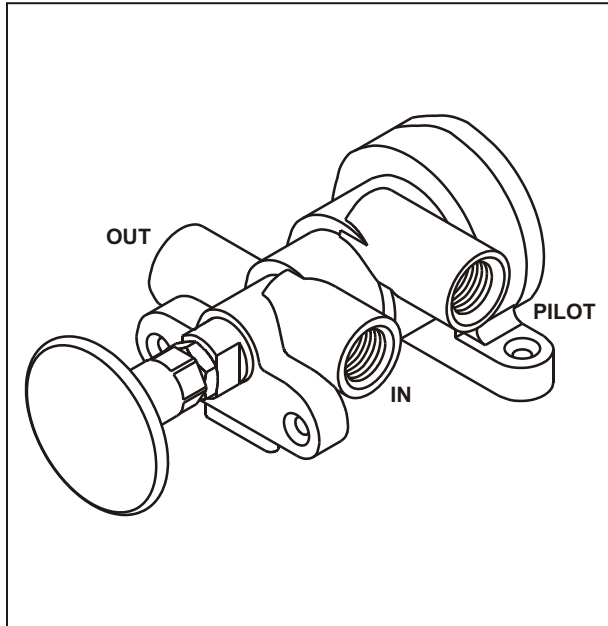
HANDLE 110153

PART NUMBER	HANDLE	PORT SIZES (NPT)			MOUNTING KIT	MOUNTING
		Inlet	Outlet	Exhaust		
5900	110176	1/4"	1/4"	1/4"	110174	Column
5900-1	NO	1/4"	1/4"	1/4"	NO	-
5900B	110176	1/4"	1/4"	1/4"	110182	Dash
5900G	110153	1/4"	1/4"	1/4"	110174	Column
5900GI	110152	1/4"	1/4"	1/4"	110174	Column
5900L	110149	1/4"	1/4"	1/4"	110174	Column
5900R	NO	1/4"	1/4"	1/4"	110174	Rem. Column
110436	NO	1/4"	1/4"	1/4"	NO	Non-Locking
110516	110152	1/4"	1/4"	1/4"	110174	Non-Locking

SUSPENSION CONTROL VALVES

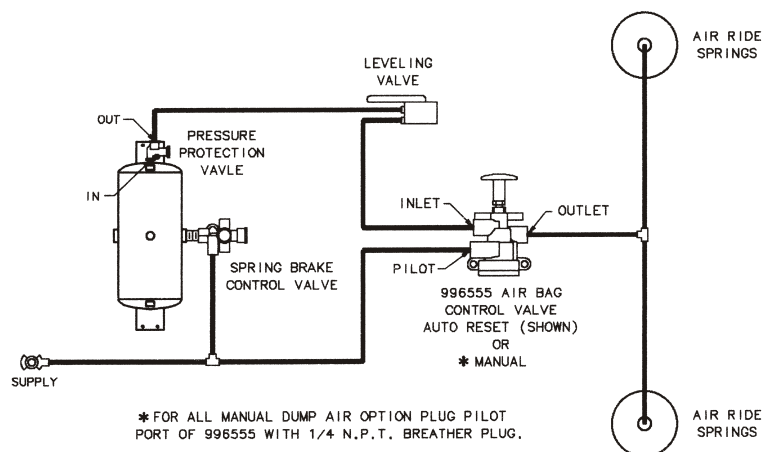


Air Bag Control Valve – Manual Or Automatic Operation



INFORMATION:

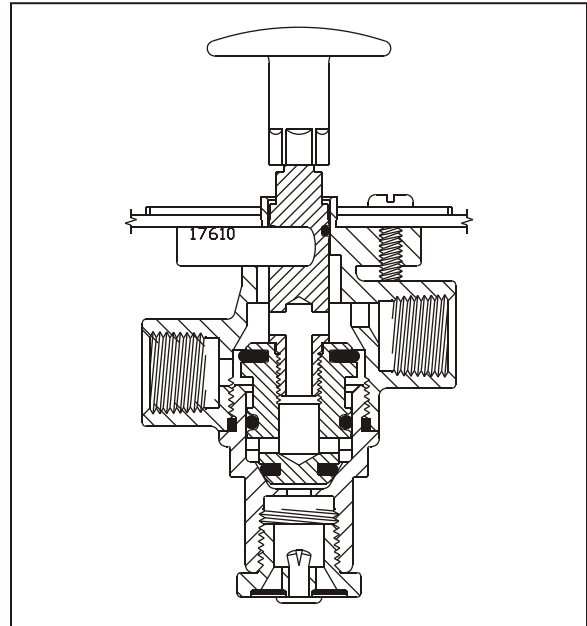
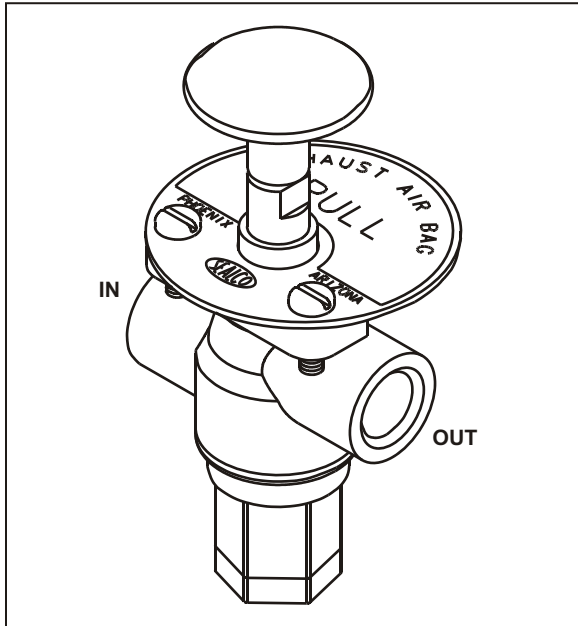
- Commonly used to control the inflation & deflation of air suspension bags
- In manual mode, allows for movement of trailer without re-inflating air bags
- In auto reset mode, valve resets to fill air bags when trailer parking brakes are released
- Operates with all air suspension systems
- For **MANUAL** operation, insert the “Breather Plug” into Pilot Port, do not use any sealant on plug
- For **AUTO RESET** operation, discard the “Breather Plug” and connect the Pilot Port to the supply line



PART NUMBER	PORT SIZES (NPT)		
	Inlet	Outlet	Pilot
996555	1/4"	1/4"	1/4"

SUSPENSION CONTROL VALVES

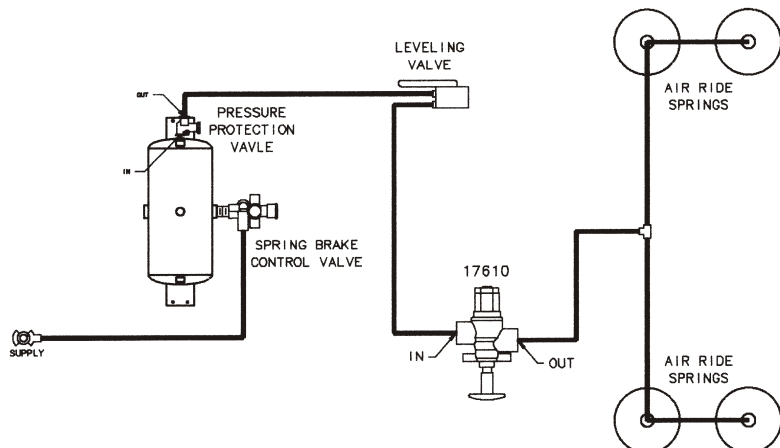
Air Bag Control Valve – Manual Operation



INFORMATION:

- Commonly used to control the inflation & deflation of air suspension bags
- Allows for movement of trailer back to dock without re-inflating air bags
- Operates with all air suspension systems
- Pull to manually exhaust air from air bags

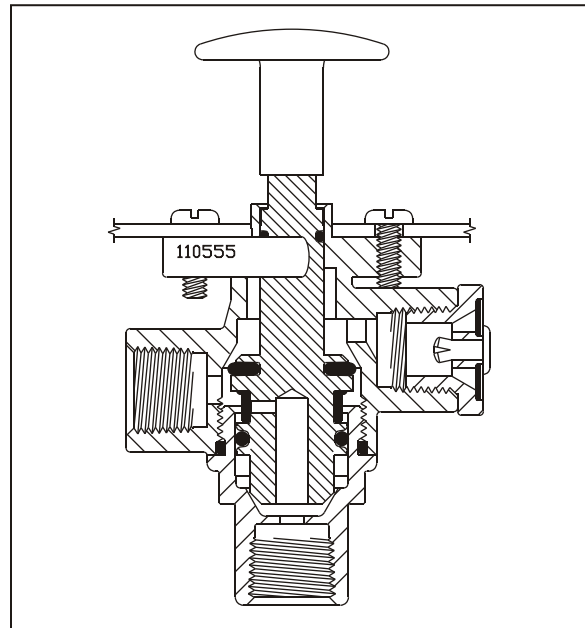
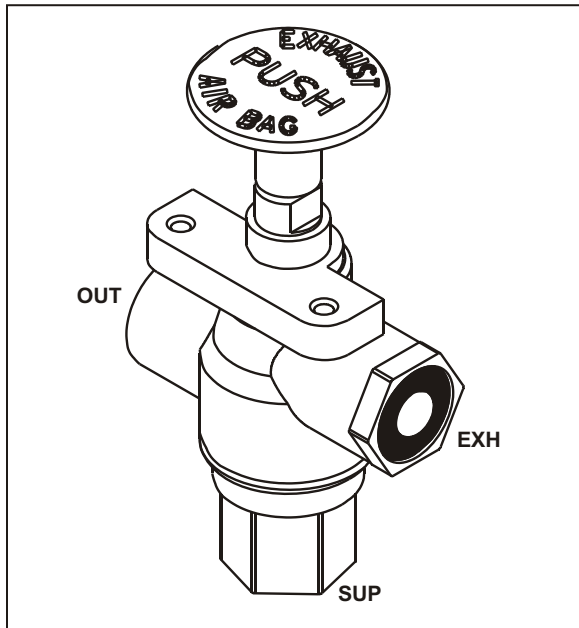
Push to refill air bags from reservoir



PART NUMBER	PORT SIZES (NPT)	
	Inlet	Outlet
17610	3/8"	3/8"

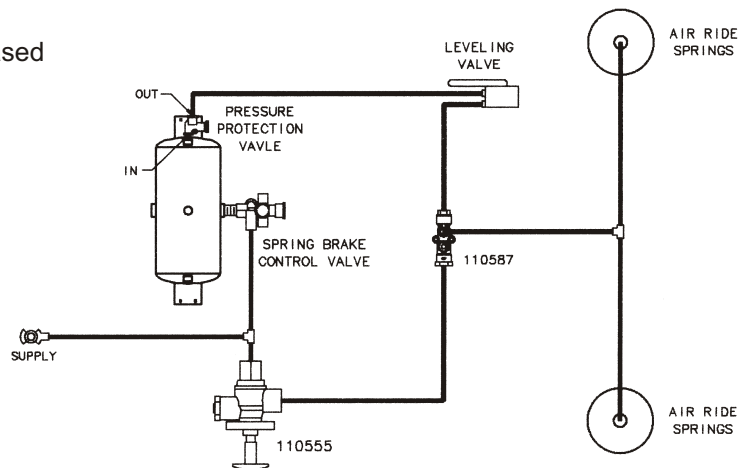
SUSPENSION CONTROL VALVES

Air Bag Control Valve – Automatic Operation



INFORMATION:

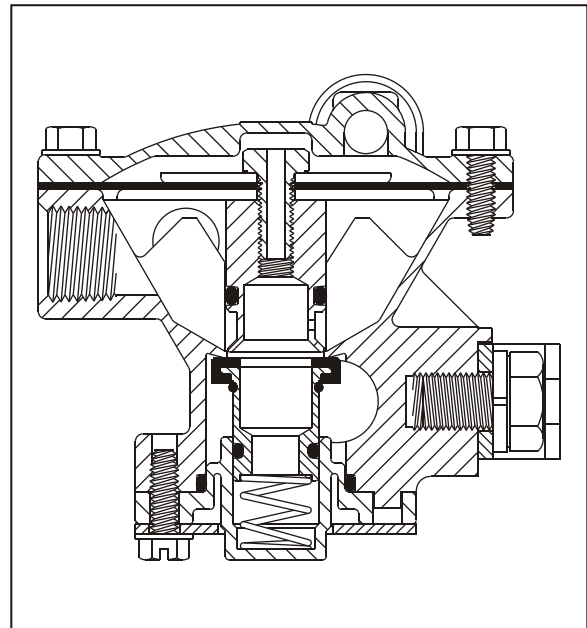
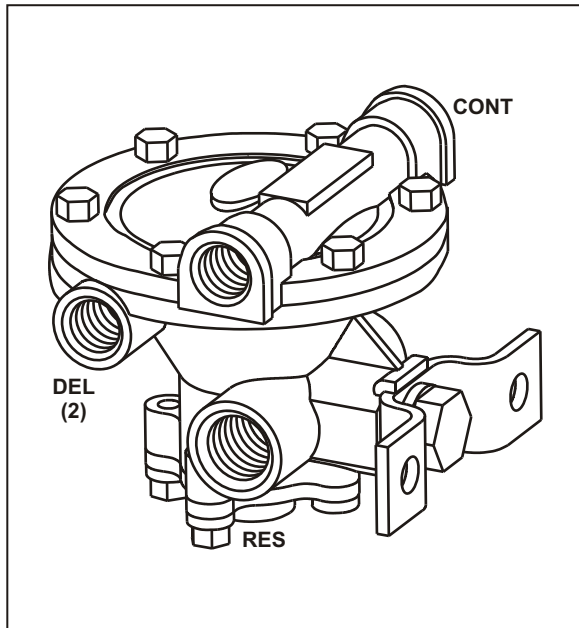
- Commonly used to control the inflation & deflation of suspension air bags
- Normally used with 110587 Pilot Valve
- Operates with all air suspension systems but not recommended for suspensions that exhibit dock walk
- Manually operated to exhaust air from the air ride springs
- Automatically resets to fill the air springs when the trailer parking brakes are released
- **13-A KNOB INCLUDED**



PART NUMBER	PORT SIZES (NPT)		
	Supply	Outlet	Exhaust
110555	1/4"	1/4"	1/4"

SUSPENSION CONTROL VALVES

Fast Fill Air Suspension Valves



Frame mounted 110595 pictured above – also available as tank/nipple mounted 110597

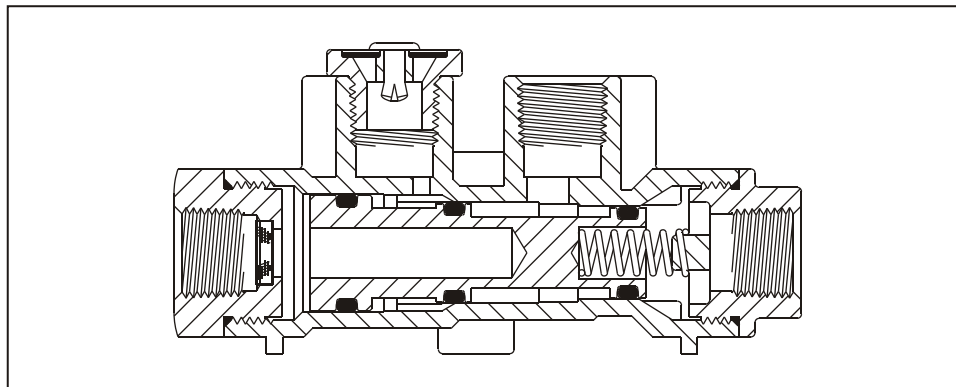
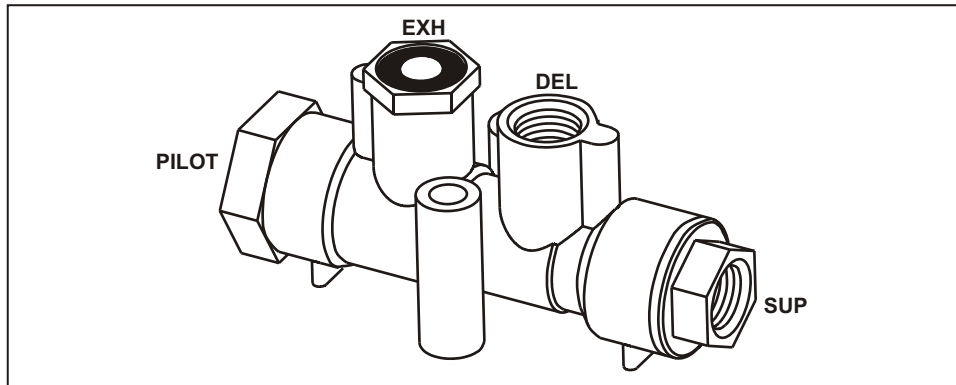
INFORMATION:

- Commonly used to speed the inflation of air suspension bags
- Uses air from reservoir in addition to height control system
- Exhausts air in normal manner
- Totally automatic operation
- Available both as frame mount (110595) or tank/nipple mount (110597)
- Piping examples on page 76

PART NUMBER	PORT SIZES (NPT)			
	Control (2)	Reservoir	Delivery (2)	Delivery
110595	3/8"	1/2" (2)	3/8"	1/2"
110597	3/8"	1/2" (1)	3/8"	N/A

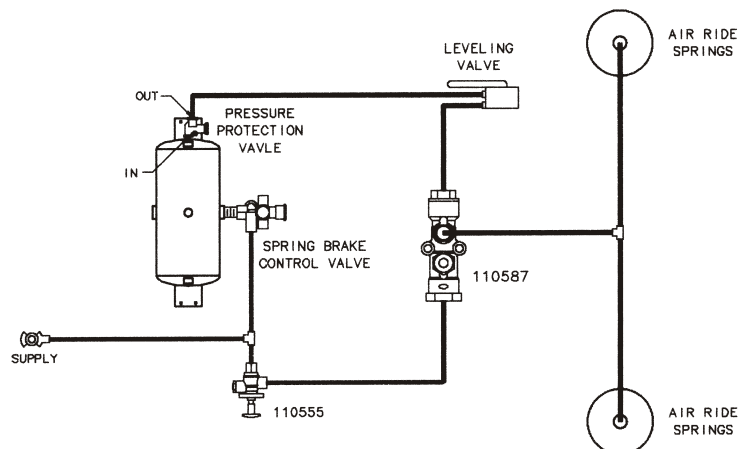
SUSPENSION CONTROL VALVES

Air Suspension Pilot Valve



INFORMATION:

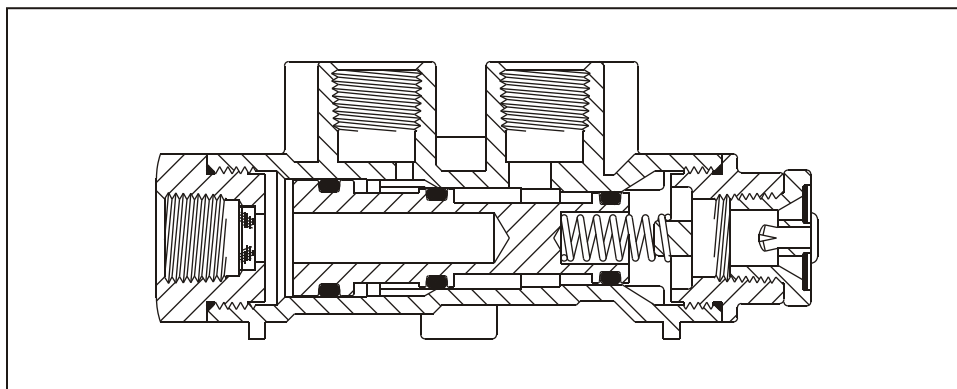
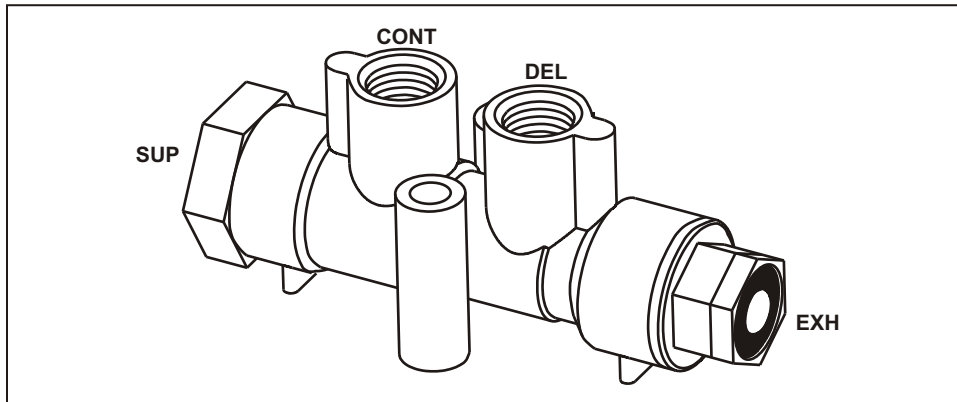
- Pilot air pressure directly from the trailer supply line, or a manual control valve, opens the supply port of the Air Suspension Pilot Valve and allows the leveling valve to fill the air suspension bags
- Discharging the pilot air closes the Air Suspension Pilot Valve which blocks the delivery of air from the leveling valve and exhausts the air suspension bags



PART NUMBER	PORT SIZES (NPT)			
	Supply	Delivery	Exhaust	Pilot
110587	3/8"	3/8"	3/8"	3/8"

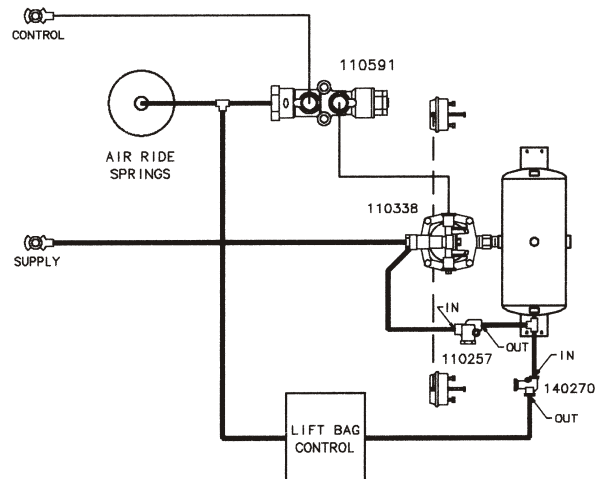
SUSPENSION CONTROL VALVES

Lift Axle Control Valve



INFORMATION:

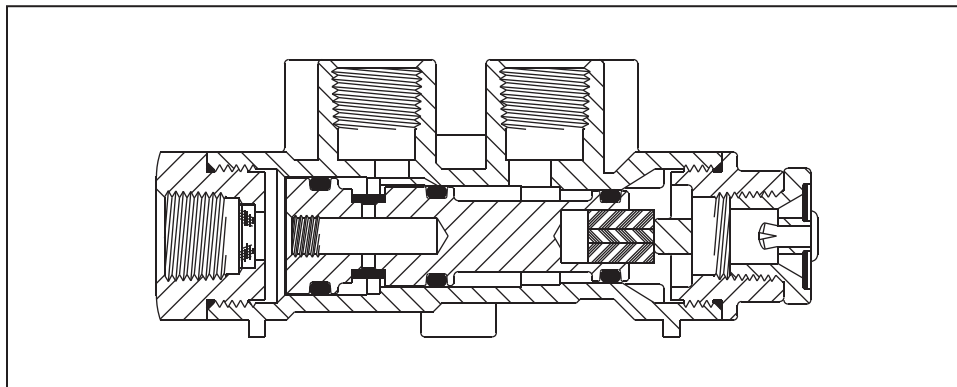
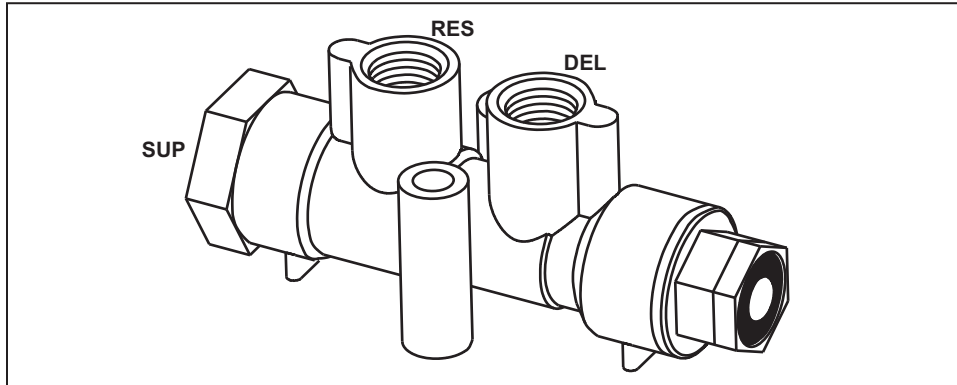
- Commonly used on trailers with one or more lift axles
- Pressurizing the lift axle air spring to lift the axle causes the 110591 to close the control port and exhausts the delivery port preventing the service brakes from applying while the axle is in the up position



PART NUMBER	PORT SIZES (NPT)		
	Supply	Control	Delivery
110591	3/8"	3/8"	3/8"

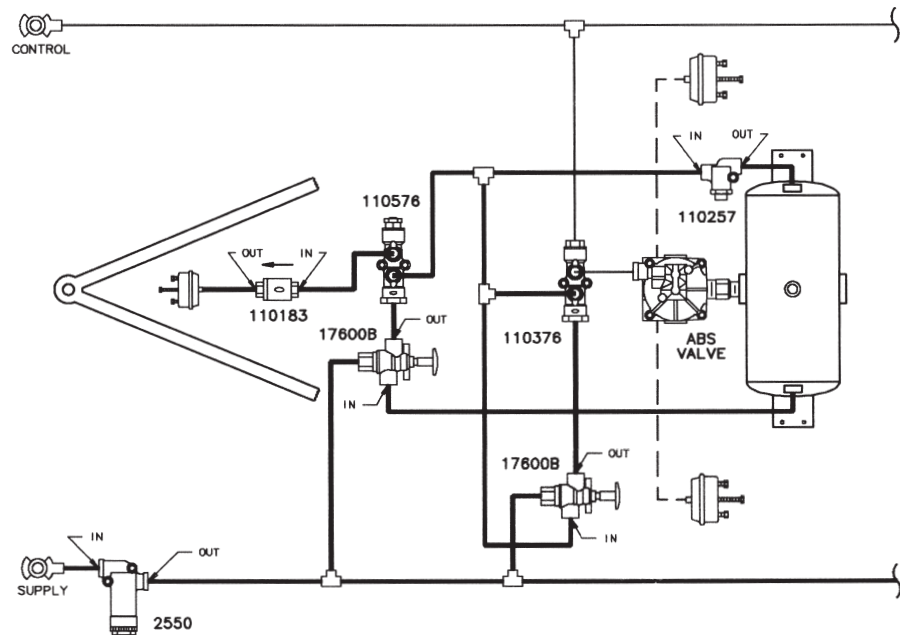
MISCELLANEOUS VALVES

Emergency Control Drawbar Valve



INFORMATION:

- Commonly used to operate a drawbar on transfer trailers



PART NUMBER	PORT SIZES (NPT)	
	Supply	Reservoir
110576	3/8"	3/8"