











Quality remanufactured valves Inside trong Course



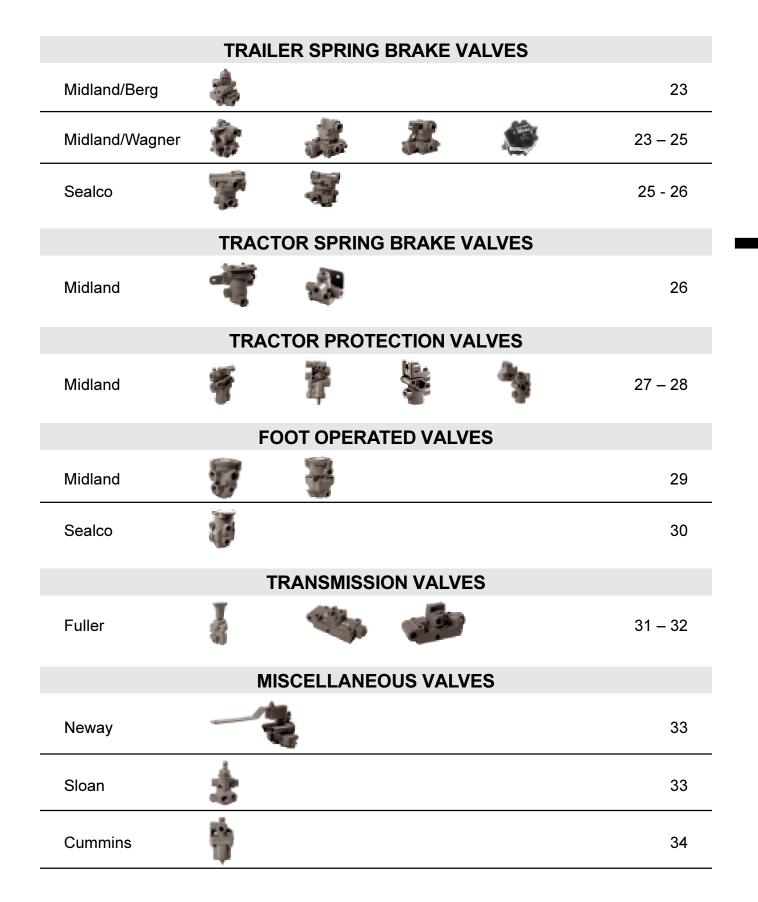
### INTRODUCTION

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Part Number	Model	Description	Core Class/Device	Core Group	Weight (Ibs.)	Minor Maint. Kit	Catalog Page No.
3100X	Sealco	Mini-Relay Valve	VM-10348	W3	3	VK1006S	15
5457X	Kelsey	Relay Valve	VR-10368	W8	2	VK1000K	7
5461X	Kelsey	Relay Valve	VS-10372	W9	2	VK1000K	7
5462X	Kelsey	Relay Valve	VS-10372	W9	2	VK1000K	7
5470X	Kelsey	Relay Valve	VR-10370	W8	2	VK1000K	7
9125X	Sealco	Relay Valve	VN-10350	VV4	4	VK1007S	16
12343X	Mid/Berg	Relay Valve	VL-10342	W2	2	VK1020B	7
12345X	Mid/Berg	Relay Valve	VL-10344	W2	2	VK1019B	8
12346X	Mid/Berg	Relay Valve	VL-10346	W2	2	VK1019B	8
12350X	Mid/Berg	Relay Valve	VX-10384	X5	3	N/A	19
12360X	Mid/Berg	TASK Valve	VZ-10388	X7	3	VK1021B	23
12361X	Mid/Berg	TASK Valve	VZ-10388	X7	3	VK1021B	23
10005AX	Sealco	Cartridge	WJ-10414	Y8	1	VK1001S	22
110139X	Sealco	Relay Valve	VO-10354	W5	5	VK1008S	17
110147X	Sealco	Ratio Relay Emergency Valve	VT-10374	X1	5	VK1008S	25
110170X	Sealco	Ratio Relay Emergency Valve	VU-10376	X2	4	VK1009S	25
110171X	Sealco	Ratio Relay Emergency Valve	VU-10376	X2	4	VK1009S	25
110191X	Sealco	Ratio Relay Emergency Valve	VU-10376	X2	4	VK1009S	25
110197X	Sealco	Trailer Relay Valve	VN-10352	W4	4	VK1007S	16
110200X	Sealco	Ratio Relay Emergency Valve	VO-10356	W5	7	VK1010S	21
110205X	Sealco	Ratio Relay Emergency Valve	VO-10356	W5	7	VK1010S	21
110267X	Sealco	Relay Emergency Valve	VO-10358	W5	6	VK1010S	21
110310X	Sealco	Ratio Relay Emergency Valve	VU-10376	X2	4	VK1009S	25
110315X	Sealco	Ratio Relay Emergency Valve	VU-10376	X2	4	VK1009S	25
110338X	Sealco	Relay Emergency Valve	VO-10358	W5	6	VK1010S	21
110360X	Sealco	LOV (Low Opening Valve)	VP-10360	W6	3	VK1011S	17
110375X	Sealco	LOV-CF Control Line Valve	VP-10362	W6	3	VK1011S	15
110380X	Sealco	LOV (Low Opening Valve)	VQ-10366	W7	3	VK1011S	18
110400X	Sealco	Dual Circuit Foot Valve	VC-10306	V3	4	N/A	30
110410X	Sealco	LOV (Low Opening Valve)	VP-10360	W6	3	VK1011S	17
110415X	Sealco	LOV (Low Opening Valve)	VQ-10364	W7	3	VK1011S	18
401033X	Sloan	Push Pull Dash Valve	WK-10416	Y9	2	N/A	33
401037X	Sloan	Push Pull Dash Valve	WK-10416	Y9	2	N/A	33
6997312X	Cummins	Fuel Solenoid Valve	WQ-10428	Z6	1	N/A	34
6997324X	Cummins	Fuel Solenoid Valve	WQ-10428	Z6	1	N/A	34
90054007X	•	Leveling Valve	WL-10418	Z1	2	VK1003N	33
A1000X	Sealco	Relay Emergency Valve	WI-10412	Y7	6	VK1012S	22
A3546X	Fuller	Shift Valve	WM-10420	Z2	1	VK1004F	31
A3547X	Fuller	Range Selector Valve	WN-10422	Z3	4	VK1005F	31
A3991X	Fuller	Range Selector Valve	WO-10424	Z4	4	VK1005F	32
A4668X	Fuller	Range Selector Valve	WP-10426	Z5	4	VK1005F	32
A80070X	Mid/Wagner	RS Relay Valve	VK-10336	W1	3	VK1026W	13
A85490X	Mid/Wagner	RG-4 Tandem Relay Valve	VK-10338	W1	4	VK1024W	13
A85493X	Mid/Wagner	RG-4 Tandem Relay Valve	VK-10338	W1	4	VK1024W	13
A86473X	Mid/Wagner	RF Relay Valve	VJ-10332	V9	3	VK1022W	14
A86477X	Mid/Wagner	RF Relay Valve	VJ-10332	V9	3	VK1022W	14
A88802X	Mid/Wagner	RT Valve	WA-10390	X8 × 8	3	VK1027W	24
A88812X	Mid/Wagner	RT Valve	WA-10390	X8	3	VK1027W	24
A97600X	Mid/Wagner	RS-2 Tandem Relay Valve	VK-10340	W1	4	VK1024W	14 24
A98730X	Mid/Wagner	RT-2 Valve	WB-10392	X9	3	VK1027W	24
A99370X	Mid/Wagner	RT-2 Valve	WB-10392	X9	3	VK1027W	24
A103600X	Mid/Wagner	RF Relay Valve	VJ-10334	V9	3	VK1022W	14



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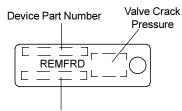
Part Number	Model	Description	Core Class/Device	Core Group	Weight (Ibs.)	Minor Maint. Kit	Catalog Page No.
KN22100X	Midland	Single Circuit Foot Valve	VA-10300	V1	2	VK1014M	29
KN22140X	Midland	Dual Circuit Foot Valve	VB-10302	V2	2	VK1017M	29
KN22150X	Midland	Dual Circuit Foot Valve	VB-10304	V2	3	VK1017M	29
KN26000X	Mid/Wagner	RT-4 Spring Brake Valve	VY-10386	X6	5	VK1025W	23
KN26010X	Mid/Wagner	RT-4 Spring Brake Valve	VY-10387	X6	5	VK1025W	23
KN28010X	Midland	Relay Valve	VE-10308	V4	3	VK1013M	8
KN28011X	Midland	Relay Valve	VE-10310	V4	3	VK1013M	8
KN28030X	Midland	Inversion Valve	WE-10398	Y3	2	N/A	26
KN28060X	Midland	Relay Valve	VF-10312	V5	3	VK1016M	10
KN28061X	Midland	Relay Valve	VF-10314	V5	3	VK1016M	10
KN28065X	Midland	Relay Valve	VF-10316	V5	3	VK1016M	9
KN28071X	Midland	Relay Valve	VH-10322	V7	3	VK1016M	9
KN28080X	Midland	Relay Valve	VF-10318	V5	3	VK1016M	12
KN28085X	Midland	Relay Valve	VF-10318	V5	3	VK1016M	12
KN28130X	Midland	Relay Valve	VG-10320	V6	3	VK1016M	11
KN28131X	Midland	Relay Valve	VH-10324	V7	3	VK1016M	10
KN28132X	Midland	Relay Valve	VF-10314	V5	3	VK1016M	10
KN28140X	Midland	Relay Valve	VH-10324	V7	3	VK1016M	9
KN28300X	Midland	FAB (Fast Air & Balancing) Valve	VF-10314	V5	3	VK1016M	11
KN28500X	Mid/Wagner	RG-2 Relay Valve	VI-10326	V8	2	VK1023W	12
KN28510X	Mid/Wagner	RG-2 Relay Valve	VI-10328	V8	2	VK1023W	12
KN28520X	Mid/Wagner	RG-2 Relay Valve	VI-10330	V8	2	VK1023W	12
KN28600X	Mid/Wagner	FF2 Full Function Valve	UA-10429	U1	3	N/A	25
KN30010X	Midland	Relay Emergency Valve	VW-10378	X4	5	VK1015M	20
KN30100X	Mid/Wagner	Relay Emergency Valve	VV-10380	X3	3	VK1022W	20
KN30200X	Mid/Wagner	Relay Emergency Valve	VV-10382	X3	3	VK1022W	20
KN30300X	Mid/Wagner	Relay Emergency Valve	VV-10380	X3	3	VK1022W	20
KN30400X	Mid/Wagner	Relay Emergency Valve	VV-10382	X3	3	VK1022W	20
KN32040X	Midland	Quick Release Valve	WD-10396	Y2	1	VK1018M	26
KN34030X	Midland	Tractor Protection Valve	WG-10402	Y5	2	VK1002M	27
KN34050X	Midland	Tractor Protection Valve	WG-10404	Y5	2	VK1002M	27
KN34060X	Midland	Tractor Protection Valve	WF-10400	Y4	2	N/A	28
KN34070X	Midland	Tractor Protection Valve	WG-10406	Y5	2	VK1002M	27
KN34080X	Midland	Tractor Protection Valve	WH-10408	Y6	2	N/A	28
KN34090X	Midland	Tractor Protection Valve	WH-10410	Y6	3	N/A	28

(Reference "Minor N	laintenance Repair Kit C	ross Reference")		35–36
VK1000K	VK1007S	VK1014M	VK1021B	
VK1001S	VK1008S	VK1015M	VK1022W	
VK1002M	VK1009S	VK1016M	VK1023W	
VK1003N	VK1010S	VK1017M	VK1024W	
VK1004F	VK1011S	VK1018M	VK1025W	
VK1005F	VK1012S	VK1019B	VK1026W	
VK1006S	VK1013M	VK1020B	VK1027W	

### **General Valve Information**



### Valve Identification Tag



Device Serial Number

A metal identification tag is attached to each valve. The tag is secured to the valve using one of the assembly cap screws or bolts. The part number and serial number of the device is stamped into the metal tag in the area indicated. In most cases a crack pressure will also appear.

The part number displayed on the tag is the manufacturer's part number with the letter "X" added to the end to designate that the unit is remanufactured. The alpha numeric alpha serial number indicates the date and place of manufacture. The first letter indicates the month, A (January) through M (December) with the letter "I" not used. The first pair of digits indicate the day and the second pair the year. The last character represents the remanufacturing facility. For example, a tag bearing serial number, H1894X, was built August 18,1994.

### Disclaimer

The purpose of this AlliedSignal Bendix Truck Products Catalog is to provide a means for identification and replacement of the devices presented. AlliedSignal has made every effort to provide the most accurate data available for the products offered in this catalog, however in no case should the information presented be used for other than simple identification and replacement of like for like.

Photographs of representative device groupings are presented along with pertinent data to assist in visual identification. The original manufacture's published data, where available to AlliedSignal, was used to obtain device application, port sizing and location as well as pressure specifications. It should be noted that the device's original manufacturer may have model variations and updates that are not presented or explained in this catalog.



on tractor or trailer.

### **Relay Valves**

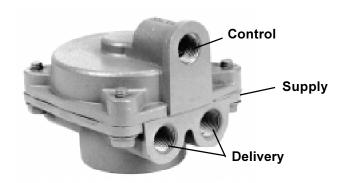
#### **Kelsey Hayes** 5457X, 5461X, 5462X, 5470X Control Control 2 & 4 Port Delivery Used to apply and release service brakes Supply 5461X Shown Supply Delivery Delivery

#### Delivery Crack Core Core Minor Control Wght. Part No. **Supply Ports** Comments Maint. Kit Ports Ports Pressure Class Grp. Casting No. 998901 5461X 1 - 1/2" PT 1 - 3/4" PT 2 - 3/8" PT 2 - 3/8" PT N/A 2 lbs. VS W9 VK1000K 2 - <u>3</u>/8" PT 1 - 1/2" PT 1 - 1/4" PT Casting No. 9995701 5462X 2 lbs. ٧S W9 VK1000K \_ N/A Casting No. 1 - 1/2" PT 5457X 1 - 3/4" PT 4 - 1/2" PT 2 - 3/8" PT N/A 2 lbs. VR W8 VK1000K 9403501,2

#### **Midland/Berg** 12343X

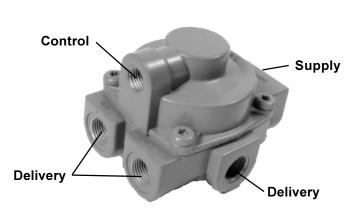
#### **4 Port Delivery**

Used to apply and release service brakes on tractor or trailer.



Part No.	Supply Ports	Delivery Ports	Control Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
12343X	1 - 3/4" PT	4 - 3/8" PT	1 - 3/8" PT	N/A	2 lbs.	VL	W2	VK1020B	





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Midland/Berg 12345X, 12346X

#### 2 & 4 Port Delivery

Used to apply and release service brakes on tractor or trailer.

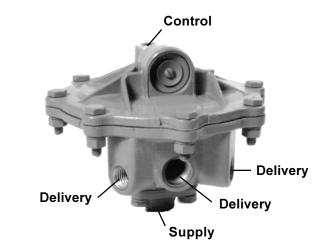
#### 12345X Shown

Part No.	Supply Ports	Delivery Ports	Control Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
12345X	1 - 3/4" PT	4 - 3/4" PT	1 - 1/4" PT	N/A	2 lbs.	VL	W2	VK1019B	
12346X	1 - 1/2" PT	2 - 3/8" PT	1 - 1/4" PT	N/A	2 lbs.	VL	W2	VK1019B	

#### Midland KN28010X, KN28011X

#### **3 Port Delivery** Used to apply and release service brakes on tractor or trailer.

KN28010X Shown



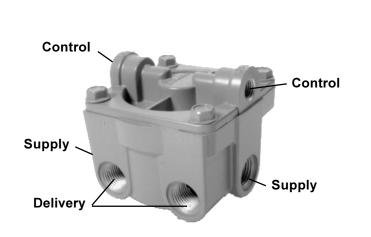
Part No.	Supply Ports	Delivery Ports		Control Ports			Core Class	Core Grp.	Minor Maint. Kit	Comments
KN28010X	1 - 3/8" PT	2 - 1/4" PT	1 - 3/8" PT	1 - 1/4" PT	N/A	3 lbs.	VE	V4	VK1013M	
KN28011X	1 - 3/8" PT	3 - 3/8" PT	-	1 - 1/4" PT	N/A	3 lbs.	VE	V4	VK1013M	



#### Midland KN28065X

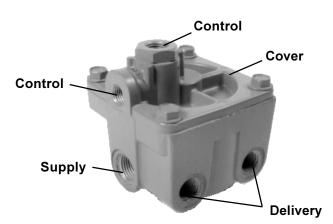
#### 2 Port Delivery

Used to apply and release service brakes on tractor or trailer. Can be used to control application and release of spring brakes on tractor. Incorporates anti-compounding feature to prevent simultaneous service and spring brake application.





Part No.	Supply Ports	Delivery Ports	Control Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
KN28065X	2 - 1/2" PT	2 - 1/2" PT	2 - 1/4" PT	4.0 ±1 PSI	3 lbs.	VF	V5	VK1016M	



#### Midland KN28071X, KN28140X

#### 2 Port Delivery

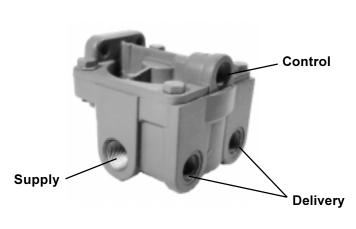
Used to apply and release service brakes on tractor or trailer. Can be used to control application and release of spring brakes on tractor. Incorporates anti-compounding feature to prevent simultaneous service and spring brake application.

> KN28140X Shown

Part No.	Supply Ports	Delivery Ports	Control Ports		Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
KN28071X	1 - 1/2" PT	2 - 1/2" PT	1 - 1/4" PT	1 - 1/8" PT	4.0 ±1 PSI	3 lbs.	VH	V7	VK1016M	Cover, as shown
KN28140X	1 - 1/2" PT	2 - 1/2" PT	1 - 1/4" PT	-	4.0 ±1 PSI	3 lbs.	VH	V7	VK1016M	Cover, rotated 90°







#### Midland KN28060X, KN28061X, KN28132X

**2 Port Delivery** Used to apply and release service brakes on tractor or trailer.

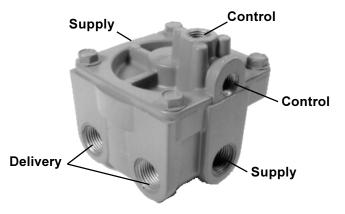
#### KN28060X Shown

Part No.	Supply Ports	Delivery Ports	Control Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
KN28060X	2 - 1/2" PT	2 - 3/8" PT	1 - 3/8" PT	4.6 ±1.5 PSI	3 lbs.	VF	V5	VK1016M	
KNIJSUE1 X	っ ₋ 1/フ" DT	ク ₋ 1/フ" DT	1 _ 2/2" DT	4.6 ±1.5	2 lhe		\/5	VK1016M	

#### Midland KN28131X

#### 2 Port Delivery

Used to apply and release service brakes on tractor or trailer. Can be used to control application and release of spring brakes on tractor. Incorporates anti-compounding feature to prevent simultaneous service and spring brake application.



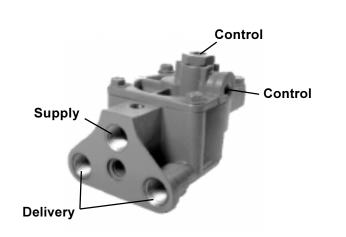
Part No.	Supply Ports	Delivery Ports	Control Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
KN28131X	2 - 1/2" PT	2 - 1/2" PT	2 - 1/4" PT	4.0 ±1 PSI	3 lbs.	VH	V7	VK1016M	



#### Midland KN28130X

#### 2 Port Delivery

Used to apply and release service brakes on tractor or trailer. Can be used to control application and release of spring brakes on tractor. Incorporates anti-compounding feature to prevent simultaneous service and spring brake application.



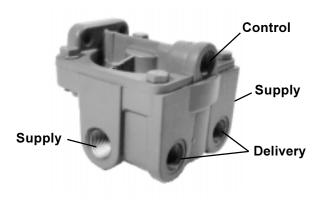


Part No.	Supply Ports	Delivery Ports	Control Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
KN28130X	1 - 1/2" PT   1 - 3/8" PT	2 - 1/2" PT	2 - 1/4" PT	4.0 ±1 PSI	3 lbs.	VG	V6	VK1016M	

#### Midland KN28300X

#### FAB (Fast Air & Balancing) Relay Valve 2 Port Delivery

Used on converter dollies and long wheel base towing trailers to speed the tractor control signal to the rear trailer(s) service brakes. Original manufacturer claims a 0 psi crack pressure and 0 psi differential.



Part No.	Supply Ports	Delivery Ports	Control Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
KN28300X	2 - 1/2" PT	2 - 1/2" PT	1 - 3/8" PT	0 PSI	3 lbs.	VF	V5	VK1016M	



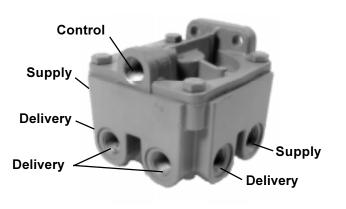


#### Midland KN28080X, KN28085X

#### 4 Port Delivery

Used to apply and release service brakes on tractor or trailer.

#### KN28080X Shown



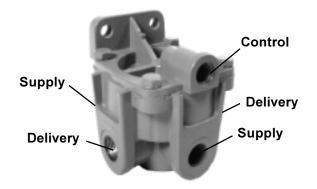
Part No.	Supply Ports	Delivery Ports	Control Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
KN28080X	2 - 1/2" PT	4 - 3/8" PT	1 - 3/8" PT	7.0 ±1 PSI	3 lbs.	VF	V5	VK1016M	
KNJBUBEA	っ _ 1/フ" DT	1 - 3/8" DT	1 _ 2/2" DT	4.6 ±1.5	2 lhe		\/5	\/K1016M	

#### Midland/Wagner KN28500X, KN28510X, KN28520X

#### RG-2 Relay Valve 2 Port Delivery

Used to apply and release service brakes on tractor or trailer.

#### KN28500X Shown



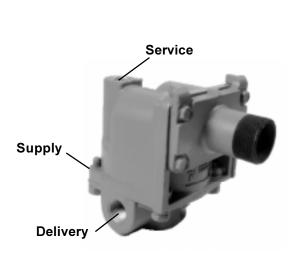
Part No.	Supply	Ports	Delivery Ports	Control Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
KN28500X	2 - 3/8" PT	-	2 - 3/8" PT	1 - 1/4" PT	5.5 PSI	2 lbs.	VI	V8	VK1023	
KN28510X	1 - 3/8" PT	1 - 1/2" PT	2 - 3/8" PT	1 - 1/4" PT	5.5 PSI	2 lbs.	VI	V8	VK1023	
KN28520X	2 - 1/2" PT	-	2 - 1/2" PT	1 - 1/4" PT	5.5 PSI	2 lbs.	VI	V8	VK1023	

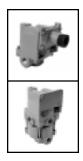


#### Midland/Wagner A80070X

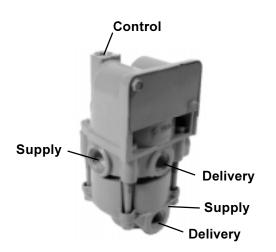
RS Relay Valve 2 Port Delivery

Used apply and release service brakes on trailer.





Part No.	Supply Ports	Delivery Ports	Service Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
A80070X	1 - 1/2" PT	2 - 3/8" PT	1 - 1/4" PT	N/A	3 lbs.	VK	W1	VK1026	



#### Midland/Wagner A85490X, A85493X

#### RG-4 Tandem Valve 4 Port Delivery

Used to apply and release service brakes on trailer. Is two relay valves in one housing with a single control port. Has dependent supplies (2) and treats the service brakes on two axles dependently.

> A85490X Shown

Part No.	Supply Ports	Delivery Ports	Control Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
A85490X	2 - 1/2" PT	4 - 3/8" PT	1 - 1/4" PT	N/A	4 lbs.	VK	W1	VK1024	Tank Mtg.
A85493X	2 - 1/2" PT	4 - 3/8" PT	1 - 1/4" PT	N/A	4 lbs.	VK	W1	VK1024	Frame Mtg.







Midland/Wagner A86473X, A86477X, A103600X

#### RF Relay Valve 4 Port Delivery

Used to apply and release service brakes on tractor or trailer.

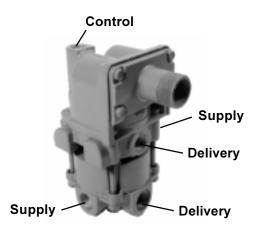
#### A86473X Shown

Part No.	Supply Ports	Delivery Ports	Control Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
A86473X	1 - 1/2" PT	4 - 1/2" PT	1 - 1/4" PT	4.5 ±1 PSI	3 lbs.	VJ	V9	VK1022	
A86477X	1 - 3/4" PT	4 - 1/2" PT	1 - 1/4" PT	4.5 ±1 PSI	3 lbs.	٧J	V9	VK1022	
A103600X	2 - 3/4" PT	4 - 3/8" PT	1 - 1/4" PT	4.5 ±1 PSI	3 lbs.	VJ	V9	VK1022	

#### Midland/Wagner A97600X

#### RS-2 Tandem Valve 4 Port Delivery

Used to apply and release service brakes on trailer. Is two relay valves in one housing with a single control port. Has dependent supplies (2) and treats the service brakes on two axles dependently.



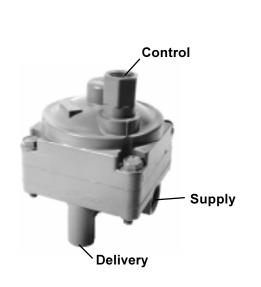
Part	No.	Supply Ports	Delivery Ports	Control Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
A976	00X	2 - 1/2" PT	4 - 3/8" PT	1 - 1/4" PT	N/A	4 lbs.	VK	W1	VK1024	



#### Sealco 110375X

#### LOV-CF Control Line Valve 1 Port Delivery

Used on converter dollies to speed the tractor control signal to the rear trailer(s) service brakes. Original manufacturer claims a 1.5 psi crack pressure.



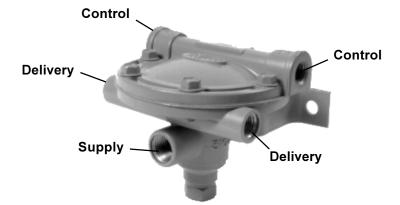


T	Part No.	Supply Ports	Delivery Ports	Control Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
	110375X	1 - 1/2" PT	1 - 3/8" PT	1 - 3/8" PT	1.5 PSI	3 lbs.	VP	W6	VK1011S	

#### Sealco 3100X

#### Mini-Relay Valve 2 Port Delivery

Used to apply and release service brakes on tractor or trailer.



Part No.	Supply Ports	Delivery Ports	Control Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
3100X	1 - 3/8" PT	2 - 1/4" PT	2 - 1/4" PT	N/A	3 lbs.	VM	W3	VK1006S	

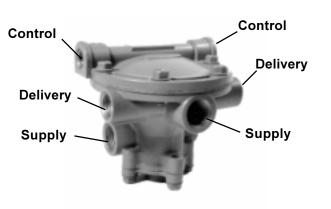




#### Sealco 9125X

2 Port Delivery

Used to apply and release service brakes on tractor or trailer.

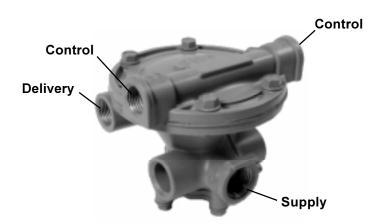


Part No.	Supply Ports	Delivery Ports	Control Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
9125X	2 - 1/2" PT	2 - 3/8" PT	2 - 1/4" PT	N/A	4 lbs.	VN	W4	VK1007S	

#### Sealco 110197X

#### Trailer Relay Valve 2 Port Delivery

Used to apply and release service brakes on tractor or trailer.



ſ	Part No.	Supply Ports	Delivery Ports	Control Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
L	110197X	1 - 1/2" PT	2 - 3/8" PT	2 - 3/8" PT	4.0 PSI	4 lbs.	VN	W4	VK1007S	

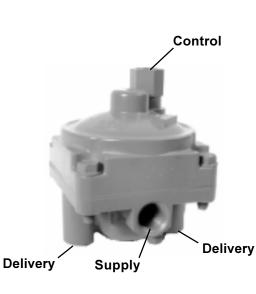


#### Sealco 110410X, 110360X

LOV-2 (Low Opening Valve) 2 Port Delivery

Used to apply and release service brakes on trailer. Original manufacturer claims a 1.5 psi crack pressure.

> 110360X Shown



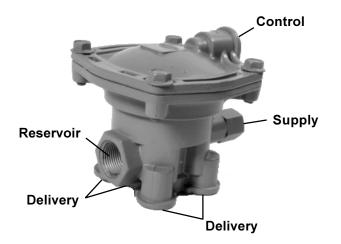


Part No.	Supply Ports	Delivery Ports	Control Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
110410X	1 - 1/2" PT	2 - 3/8" PT	1 - 3/8" PT	4.0 PSI	3 lbs.	VP	W6	VK1011S	
110360X	1 - 1/2" PT	2 - 3/8" PT	1 - 3/8" PT	1.5 PSI	3 lbs.	VP	W6	VK1011S	

#### Sealco 110139X

#### Ratio Relay Valve 4 Port Delivery

Used on trailers only to apply and release service brakes. Delivers slightly higher pressure to trailer service brakes than the control signal received from the tractor.



Part No.	Supply Ports	Reservoir Ports	Delivery Ports	Control Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
110139X	1 - 3/8" PT	1 - 3/4" PT	4 - 3/8" PT	1 - 3/8" PT	N/A	3 lbs.	VO	W5	VK1008S	

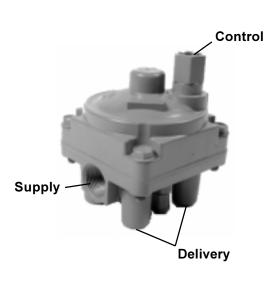


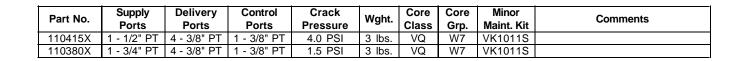
#### Sealco 110415X, 110380X

#### LOV-4 (Low Opening Valve) 4 Port Delivery

Used to apply and release service brakes on trailer. Original manufacturer claims a 1.5 psi crack pressure.

#### 110415X Shown



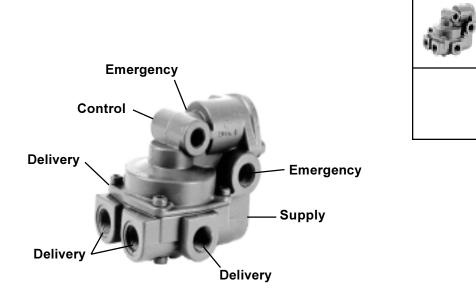




#### Midland/Berg 12350X

#### 4 Port Delivery

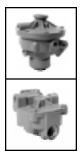
Used on converter dollies and pre-1975 trailers. Relay function applies & releases service brakes during normal operation. Automatically applies all service brakes when trailer supply (emergency) line loses pressure (disconnected or break away).



Par	t No.	Supply Ports	Delivery Ports	Control Ports	Emerg. Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
123	350X	1 - 3/4" PT	4 - 3/8" PT	1 - 1/4" PT	2 - 3/8" PT	N/A	3 lbs.	VX	X5	N/A	

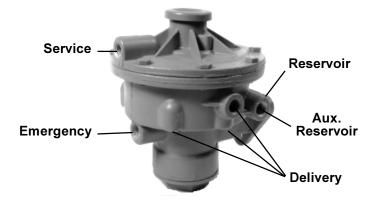


#### Midland KN30010X



#### 4 Port Delivery

Used on converter dollies and pre-1975 trailers. Relay function applies & releases service brakes during normal operation. Automatically applies all service brakes when trailer supply (emergency) line loses pressure (disconnected or break away).



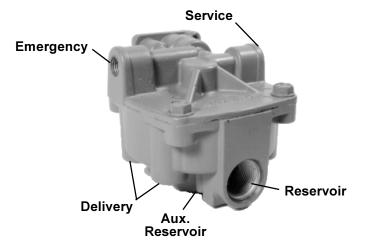
Part No	).	Reservoir Ports	Aux. Reservoir	Delivery Ports	Service Ports	Emerg. Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit
KN30010	)X	1 - 3/4" PT	1 - 1/4" PT	4 - 1/4" PT	1 - 1/4" PT	1 - 1/4" PT	N/A	5 lbs.	VW	X4	VK1015M

#### Midland/Wagner KN30100X, KN30200X, KN30300X, KN30400X

#### **4 Port Delivery**

Used on converter dollies and pre-1975 trailers. Relay function applies & releases service brakes during normal operation. Automatically applies all service brakes when trailer supply (emergency) line loses pressure (disconnected or break away).

#### KN30100X Shown



Part No.	Reservoir Ports	Aux. Reservoir	Delivery Ports	Service Ports	Emerg. Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit
KN30100X	-	-	4 - 1/4" PT	1 - 1/4" PT	1 - 1/4" PT	4.5 ±1PSI	3 lbs.	VV	X3	VK1022W
KN30200X	1 - 3/4" Nipple	1 - 3/8" PT	4 - 3/8" PT	1 - 3/8" PT	1 - 3/8" PT	4.5 ±1PSI	3 lbs.	VV	X3	VK1022W
KN30300X	1 - 3/4" Nipple	-	4 - 1/4" PT	1 - 1/4" PT	1 - 1/4" PT	4.5 ±1PSI	3 lbs.	VV	X3	VK1022W
KNISUAUUX	1 - 3/4" Female	_	1 - 3/8" DT	1 _ 1//" DT	1 - 1// " DT	15 ±1DQI	3 lbc	\/\/	¥۶	\/1/1022\//

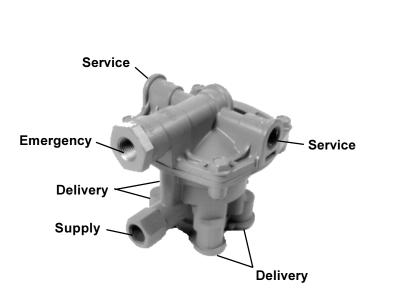


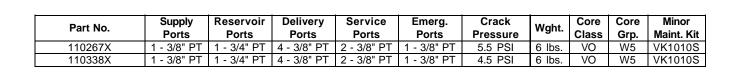
#### Sealco 110267X, 110338X

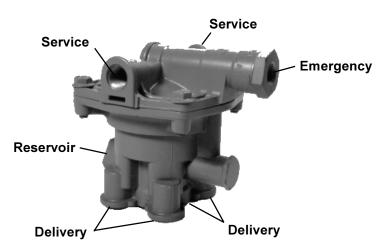
#### 4 Port Delivery

Used on converter dollies and pre-1975 trailers. Relay function applies & releases service brakes during normal operation. Automatically applies all service brakes when trailer supply (emergency) line loses pressure (disconnected or break away).

> 110267X Shown







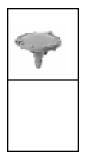
#### Sealco 110200X, 110205X

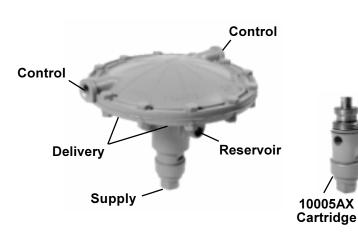
#### Ratio Relay Emergency 4 Port Delivery

Used on pre-1975 trailers. Relay function applies & releases service brakes during normal operation. Automatically applies all service brakes when trailer supply (emergency) line loses pressure (disconnected or break away). Special feature: During normal braking, was designed to provide a higher application pressure to trailer brakes than the signal received from tractor.



Part No.	Reservoir Ports	Delivery Ports	Service Ports	Emerg. Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
110200X	1 - 3/4" PT	4 - 3/8" PT	2 - 1/4" PT	1 - 1/4" PT	4.5 PSI	7 lbs.	VO	W5	VK1010S	
110205X	1 - 3/4" PT	4 - 3/8" PT	2 - 3/8" PT	1 - 3/8" PT	4.5 PSI	7 lbs.	VO	W5	VK1010S	







#### Sealco A1000X

#### **4 Port Delivery**

Used on converter dollies and pre-1975 trailers. Relay function applies & releases service brakes during normal operation. Automatically applies all service brakes when trailer supply (emergency) line loses pressure (disconnected or break away).

#### Sealco 10005AX Cartridge for A1000X

	Part No.	Supply Ports	Reservoir Ports	Delivery Ports	Control Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
Ī	A1000X	1 - 1/4" PT	1 - 1/2" PT	4 - 1/4" PT	2 - 1/4" PT	1.5 PSI	6 lbs.	WI	Y7	VK1012S	
I	10005AX		-	-	-	-	1 lbs.	WJ	Y8	VK1001S	



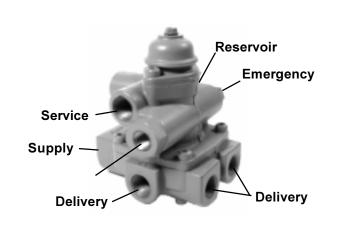
### **Trailer Spring Brake Valves**

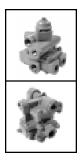
#### Midland/Berg 12360X, 12361X

#### TASK Valve 4 Port Delivery

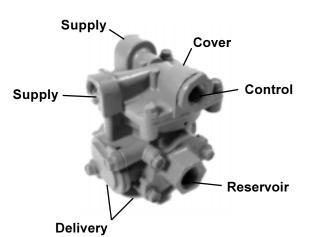
Used on 121 trailers to control both parking and emergency brake functions. Also controls reservoir charging and air pressure retention upon loss of trailer supply (emergency) line pressure. Automatically applies emergency (parking) brakes when trailer supply (emergency) line pressure is lost (disconnected or break away).

> 12360X Shown





Part No.	Supply Ports	Reservoir Ports	Delivery Ports	Service Ports	Emerg. Ports	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
12360X	1 - 3/4" PT	2 - 3/8" PT	4 - 3/8" PT	1 - 1/4" PT	1 - 1/4" PT	3 lbs.	VZ	X7	VK1021B	With Anti-Componding
12361X	1 - 3/4" PT	2 - 3/8" PT	4 - 3/8" PT	1 - 1/4" PT	1 - 1/4" PT	3 lhe	\/7	Χ7	\/K1021R	Without



#### Midland/Wagner KN26000X, KN26010X

#### RT-4 Valve 4 Port Delivery

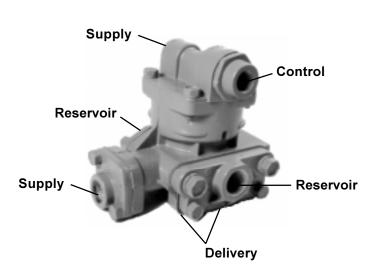
Used on 121 trailers to control both parking and emergency brake functions. Also controls reservoir charging and air pressure retention upon loss of trailer supply (emergency) line pressure. Automatically applies emergency (parking) brakes when trailer supply (emergency) line pressure is lost (disconnected or break away).

#### KN26000X Shown

Part No.	Supply Ports	Reservo	ir Ports	Delivery Ports	Control Ports	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
KN26000X	2 - 3/8" PT	1 - 1/2" PT	1 - 3/8" PT	4 - 3/8" PT	1 - 3/8" PT	3 lbs.	VY	X6	VK1025	Cover as shown
KN26010X	2 - 3/8" PT	1 - 1/2" PT	1 - 3/8" PT	4 - 3/8" PT	1 - 3/8" PT	3 lbs.	VY	X6	VK1025	Cover rotated 180°

### **Trailer Spring Brake Valves**







#### Midland/Wagner A88802X, A88812X

#### RT Valve 4 Port Delivery

Used on 121 trailers to control both parking and emergency brake functions. Also controls reservoir charging and air pressure retention upon loss of trailer supply (emergency) line pressure. Automatically applies emergency (parking) brakes when trailer supply (emergency) line pressure is lost (disconnected or break away).

> A88802X Shown

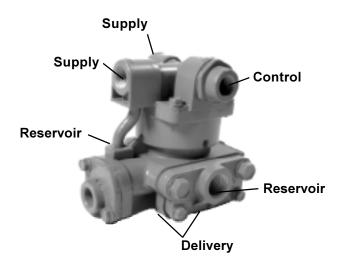
Part No.	Supply Ports	Reservo	oir Ports	Delivery Ports	Control Ports	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
A88802	2 - 3/8" PT	1 - 1/2" PT	1 - 3/8" PT	4 - 3/8" PT	1 - 3/8" PT	3 lbs.	WA	X8	VK1027	With Anti-Compounding
<b>Δ</b> <u>8</u> <u>8</u> <u>8</u> 12	1 - 3/8" PT	1 - 1/2" PT	1 - 3/8" PT	1 - 3/8" PT	1 - 3/8" PT	3 lhe	۱۸/Δ	۲ø	\/K1027	Without

#### Midland/Wagner A98730X, A99370X

#### RT-2 Valve 4 Port Delivery

Used on 121 trailers to control both parking and emergency brake functions. Also controls reservoir charging and air pressure retention upon loss of trailer supply (emergency) line pressure. Automatically applies emergency (parking) brakes when trailer supply (emergency) line pressure is lost (disconnected or break away).

> A98730X Shown



Part No.	Supply Ports	Reservo	ir Ports	Delivery Ports	Control Ports	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
A98730X	2 - 3/8" PT	1 - 1/2" PT	1 - 3/8" PT	4 - 3/8" PT	1 - 3/8" PT	3 lbs.	WA	X8	VK1027	With Anti-Compounding
A99370X	1 - 3/8" PT	1 - 1/2" PT	1 - 3/8" PT	4 - 3/8" PT	1 - 3/8" PT	3 lbs.	WA	X8	VK1027	Without Anti-Compounding

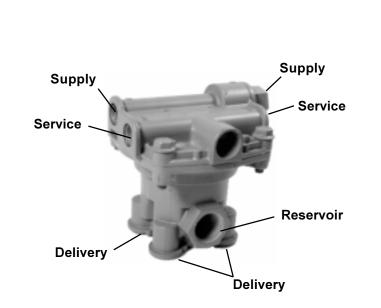


### **Trailer Spring Brake Valves**

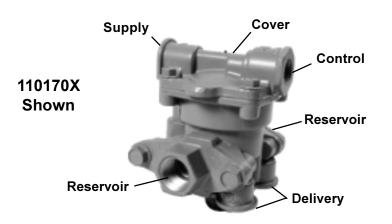
#### Sealco 110147X

#### Ratio Relay Valve 4 Port Delivery

Used on 121 trailers to control both parking and emergency brake functions. Also controls reservoir charging and air pressure retention upon loss of trailer supply (emergency) line pressure. Automatically applies emergency (parking) brakes when trailer supply (emergency) line pressure is lost (disconnected or break away). Generally used in a three reservoir system on tandem axle trailers. Has anti-compound feature to prevent simultaneous service and parking applications.



Part No.	Supply Ports	Reservoir Ports	Delivery Ports	Service Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
110147X	2 - 3/8" PT	1 - 3/4" PT	4 - 3/8" PT	2 - 3/8" PT	N/A	5 lbs.	VT	X1	VK1008S	



#### Sealco 110170X, 110171X, 110191X, 110310X, 110315X

#### Ratio Relay Valve 4 Port Delivery

Used on 121 trailers to control both parking and emergency brake functions. Also controls reservoir charging and air pressure retention upon loss of trailer supply (emergency) line pressure. Automatically applies emergency (parking) brakes when trailer supply (emergency) line pressure is lost (disconnected or break away). Generally used in a two reservoir system on tandem axle trailers. Has anti-compound feature to prevent simultaneous service and parking applications.

Part No.	Supply Ports	Reservo	ir Ports	Delivery Ports	Control Ports	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
110170X	1 - 3/8" PT	2 - 1/2" PT	-	4 - 3/8" PT	1 - 3/8" PT	4 lbs.	VU	X2	VK1009S	Cover as shown
110171X	1 - 3/8" PT	1 - 1/2" PT	1 - 3/8" PT	4 - 3/8" PT	1 - 3/8" PT	4 lbs.	VU	X2	VK1009S	Cover rotated 90°
110191X	1 - 3/8" PT	1 - 3/8" PT	1 - 1/2" PT	4 - 3/8" PT	1 - 3/8" PT	4 lbs.	VU	X2	VK1009S	Cover rotated 90°
110310X	1 - 3/8" PT	1 - 3/8" PT	1 - 1/2" PT	4 - 3/8" PT	1 - 3/8" PT	4 lbs.	VU	X2	VK1009S	Cover as shown
110315X	1 - 3/8" PT	1 - 1/2" PT	1 - 3/8" PT	4 - 3/8" PT	1 - 3/8" PT	4 lbs.	VU	X2	VK1009S	Cover as shown

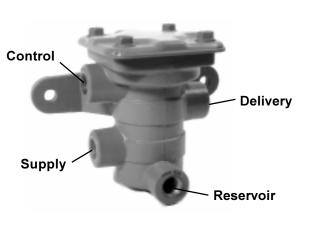
### **Tractor Spring Brake Valves**



#### Midland KN28030X

#### **Inversion Valve**

Provides modulated control of spring brakes (emergency) in the event of loss of service pressure in the rear axle service system (primary).

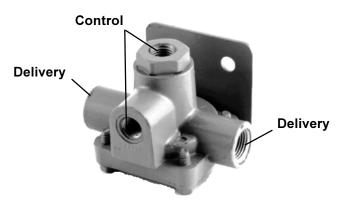


Part No.	Supply Ports	Reservoir Ports	Delivery Ports	Control Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
KN28030X	1 - 1/4" PT	1 - 1/4" PT	1 - 1/4" PT	1 - 1/4" PT	N/A	2 lbs.	WE	Y3	N/A	

#### Midland KN32040X

#### Quick Release Valve With Two Way Check

Primarily used to deliver hold-off air pressure to the emergency (parking) side of spring brakes. Prevents compounding of service (air) and parking (spring) brake applications through the "two way" check valve.



Part No.	Delivery Ports	Control Ports	Crack Pressure	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
KN32040X	2 - 1/4" PT	2 - 1/4" PT	N/A	1 lbs.	WD	Y2	VK1018M	

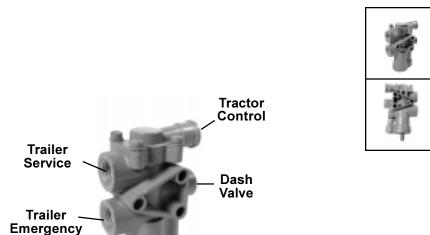


### **Tractor Protection Valves**

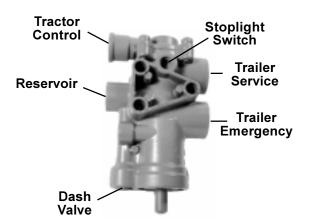
#### Midland KN34030X

#### 2 Line Automatic Style

In everyday use, valve shuts off the trailer service (control) and emergency (supply) lines before disconnecting the tractor from the trailer. In emergency, protects tractor air system by closing both lines to trailer during break away condition.



Part	No.	Tractor Control	Trailer Service	Trailer Emerg.	Dash Valve	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
KN340	030X	1 - 3/8" PT	1 - 1/2" PT	1 - 1/2" PT	1 - 3/8" PT	2 lbs.	WG	Y5	VK1002M	



#### Midland KN34050X, KN34070X

#### **3 Line Automatic Style**

In everyday use, valve shuts off the trailer service (control) and emergency (supply) lines before disconnecting the tractor from the trailer. In emergency, protects tractor air system by closing both lines to trailer during break away condition.

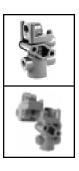
> KN34050X Shown

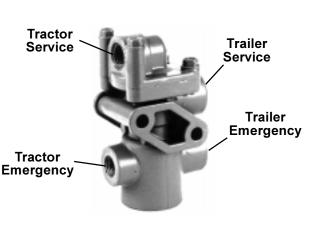
Part No.	Reservoir Ports	Tractor Control	Trailer Service	Trailer Emerg.	Dash Valve	Stoplight Switch	Wght.	Core Class	Core Grp.	Minor Maint. Kit
KN34050X	1 - 3/8" PT	1 - 3/8" PT	1 - 1/2" PT	1 - 1/2" PT	1 - 1/4" PT		2 lbs.	WG	Y5	VK1002M
KN34070X	1 - 3/8" PT	1 - 3/8" PT	1 - 1/2" PT	1 - 1/2" PT	1 - 1/4" PT	1 - 1/8" PT	2 lbs.	WG	Y5	VK1002M

### **Tractor Protection Valves**



#### Midland KN34060X





#### 2 Line Non-Automatic Style

In everyday use, valve shuts off the trailer service (control) and emergency (supply) lines before disconnecting the tractor from the trailer. In emergency, protects tractor air system by closing both lines to trailer during break away condition.

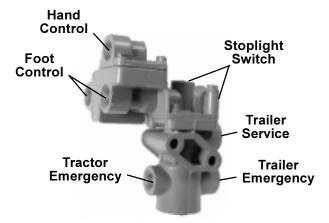
Part No.	Tractor Service	Trailer Service	Tractor Emerg.	Trailer Emerg.	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
KN34060X	1 - 3/8" PT	1 - 1/2" PT	1 - 1/4" PT	1 - 1/2" PT	2 lbs.	WF	Y4	N/A	

#### Midland KN34080X, KN34090X

#### 2 Line Manifold Style

In everyday use, valve shuts off the trailer service (control) and emergency (supply) lines before disconnecting the tractor from the trailer. In emergency, protects tractor air system by closing both lines to trailer during break away condition.

#### KN34080X Shown



Part No.	Trailer Service	Tractor Emerg.	Trailer Emerg.	Stopligh	t Switch	Hand Control	Foot Control	Wght.	Core Class	Core Grp.	Minor Maint. Kit
KN34080X	1 - 3/8" PT	1 - 3/8" PT	1 - 3/8" PT	1 - 1/4" PT	1 - 3/8" PT	1 - 3/8" PT	2 - 3/8" PT	2 lbs.	WH	Y6	N/A
KN34090X	1 - 1/2" PT	1 - 3/8" PT	1 - 1/2" PT	1 - 1/4" PT	1 - 3/8" PT	1 - 3/8" PT	2 - 3/8" PT	3 lbs.	WH	Y6	N/A

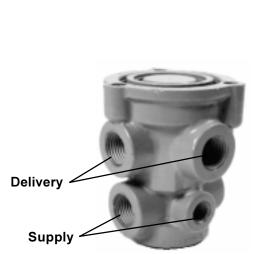


### **Foot Operated Valves**

#### Midland KN22100X

#### Single Circuit

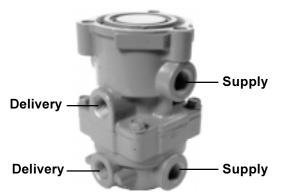
Foot operated service brake control. Used primarily on pre-1975 vehicles to control service brakes. All supply and delivery ports are common.





Part No.	Supply	Ports	Delivery Ports	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
KN22100X	2 - 1/2" PT	2 - 1/4" PT	4 - 1/2" PT	2 lbs.	VA	V1	VK1014M	

#### Midland KN22140X, KN22150X



#### **Dual Circuit**

Two separated, individual service brake circuits in a single housing. Each circuit used to control different service brakes (front vs. rear). Supply and delivery ports common in each individual circuit. Used on 1975 to present vehicles.

KN22150X Shown

Part No.	Supply Ports	Delivery Ports	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
KN22140X	4 - 3/8" PT	4 - 3/8" PT	2 lbs.	VB	V2	VK1017M	
KN22150X	4 - 3/8" PT	4 - 3/8" PT	3 lbs.	VB	V2	VK1017M	Plastic Cover

### **Foot Operated Valves**

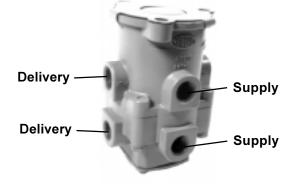




#### Sealco 110400X

#### **Dual Circuit**

Two separated, individual service brake circuits in a single housing. Each circuit used to control different service brakes (front vs. rear). Supply and delivery ports common in each individual circuit. Used on 1975 to present vehicles.



Part No.	Supply Ports	Delivery Ports	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
110400X	4 - 3/8" PT	4 - 3/8" PT	4 lbs.	VC	V3	N/A	

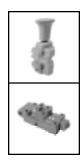


### **Transmission Valves**

#### Fuller A3546X

**Transmission Shift Valve** 





Part No.	Inlet	Outlet	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
A3546X	1 - 1/8" PT	1 - 1/8" PT	1 lbs.	WM	Z2	VK1004F	

#### Fuller A3547X

Range Selector Valve

# Supply Delivery Supply Control

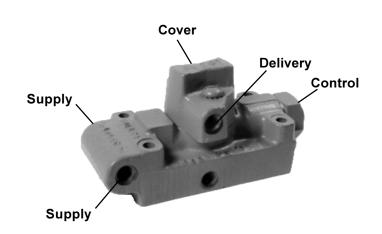
	Part No.	Supply Ports	Delivery Ports	Control Ports	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
I	A3547X	2 - 1/8" PT	1 - 1/8" PT	1 - 1/8" PT	4 lbs.	WO	Z4	VK1005F	

### **Transmission Valves**



#### Fuller A3991X, A4668X

Range Selector Valve



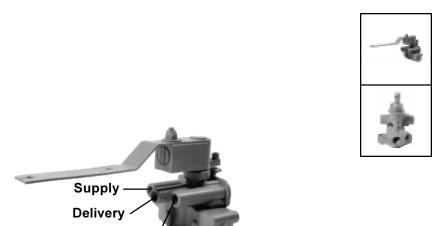
Part No.	Supply Ports	Delivery Ports	Control Ports	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
A3991X	2 - 1/8" PT	1 - 1/8" PT	1 - 1/8" PT	4 lbs.	WO	Z4	VK1005F	Cover as shown
A4668X	2 - 1/8" PT	1 - 1/8" PT	1 - 1/8" PT	4 lbs.	WO	Z4	VK1005F	Cover rotated 180°



### **Miscellaneous Valves**

#### Neway 90054007X

Leveling Valve Used to maintain a set distance between axle and frame on vehicles equipped with air suspension. Valve increases or decreases air pressure to suspension based vehicle load.



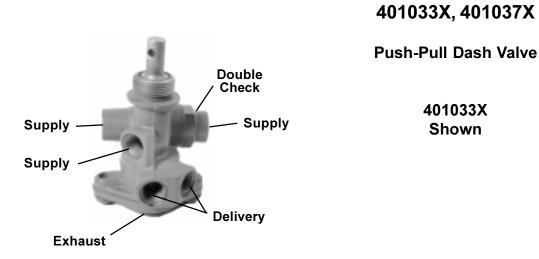
Sloan

401033X

Shown

	Part No.	Supply Ports	Delivery Ports	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
Ι	90054007	2 - 1/8" PT	1 - 1/8" PT	2 lbs.	WL	Z1	VK1003N	

Supply

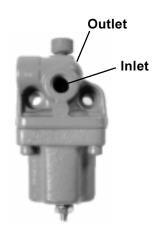


Part No.	Supply Ports	Delivery Ports	Exhaust Ports	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
401033X	3 - 1/4" PT	2 - 1/4" PT	Threaded	2 lbs.	WK	Y9	N/A	With double check valve (as Illustrated)
401037X	1 - 1/4" PT	2 - 1/4" PT	Non-Thread	2 lbs.	WK	Y9	N/A	Without double check valve (not illustrated)

### **Miscellaneous Valves**







#### Cummins 6997312X, 6997324X

Fuel Solenoid Valve

6997312X Shown

Part No.	Inlet	Outlet	Voltage	Wght.	Core Class	Core Grp.	Minor Maint. Kit	Comments
6997312X	1 - 1/4" PT	1 - 1/4"	12 volts	1 lbs.	WQ	Z6	N/A	Outlet is Non-Threaded
6997324X	1 - 1/4" PT	1 - 1/4"	24 volts	1 lbs.	WQ	Z6	N/A	Outlet is Non-Threaded



#### Minor Maintenance Repair Kit Cross Reference

The Minor Maintenance Repair Kits include the seals and valves required to repair typical leakage problems. In most cases, hard parts like springs and pistons are not included.

Below is a cross reference listing the Minor Maintenance Kit part number and the valve part number(s) it services. In the Part Number to Page Index located on pages 4 and 5 of this catalog, you will find a listing by valve part number and the Minor Maintenance Kit that services each valve.

Maint. Kit Part Number	Valve Part Number	Model	Description	Catalog Page No
VK1000K	5457X	Kelsey	Relay Valve	7
	5461X	Kelsey	Relay Valve	7
	5462X	Kelsey	Relay Valve	7
	5470X	Kelsey	Relay Valve	7
VK1001S	10005AX	Sealco	Cartridge	22
VK1002M	KN34030X	Midland	Tractor Protection Valve	27
	KN34050X	Midland	Tractor Protection Valve	27
	KN34070X	Midland	Tractor Protection Valve	27
VK1003N	90054007X	Neway	Leveling Valve	33
VK1004F	A3546X	Fuller	Shift Valve	31
VK1005F	A3547X	Fuller	Range Selector Valve	31
	A3991X	Fuller	Range Selector Valve	32
	A4668X	Fuller	Range Selector Valve	32
VK1006S	3100X	Sealco	Mini-Relay Valve	15
VK1007S	110197X	Sealco	Trailer Relay Valve	16
	9125X	Sealco	Relay Valve	16
VK1008S	110139X	Sealco	Relay Valve	17
	110147X	Sealco	Ratio Relay Emergency Valve	25
VK1009S	110170X	Sealco	Ratio Relay Emergency Valve	25
	110171X	Sealco	Ratio Relay Emergency Valve	25
	110191X	Sealco	Ratio Relay Emergency Valve	25
	110310X	Sealco	Ratio Relay Emergency Valve	25
	110315X	Sealco	Ratio Relay Emergency Valve	25
VK1010S	110200X	Sealco	Ratio Relay Emergency Valve	21
	110205X	Sealco	Ratio Relay Emergency Valve	21
	110267X	Sealco	Relay Emergency Valve	21
	110338X	Sealco	Relay Emergency Valve	21
VK1011S	110360X	Sealco	LOV (Low Opening Valve)	17
	110375X	Sealco	LOV-CF Control Line Valve	15
	110380X	Sealco	LOV (Low Opening Valve)	18
	110410X	Sealco	LOV (Low Opening Valve)	17
	110415X	Sealco	LOV (Low Opening Valve)	18
VK1012S	A1000X	Sealco	Relay Emergency Valve	22
VK1013M	KN28010X	Midland	Relay Valve	8
	KN28011X	Midland	Relay Valve	8

# **Maintenance Repair Kits**



Maint. Kit Part Number	Valve Part Number	Model	Description	Catalog Page No.
VK1014M	KN22100X	Midland	Single Circuit Foot Valve	29
VK1015M	KN30010X	Midland	Relay Emergency Valve	20
VK1016M	KN28060X	Midland	Relay Valve	10
	KN28061X	Midland	Relay Valve	10
	KN28065X	Midland	Relay Valve	9
	KN28071X	Midland	Relay Valve	9
	KN28080X	Midland	Relay Valve	12
	KN28085X	Midland	Relay Valve	12
	KN28130X	Midland	Relay Valve	11
	KN28131X	Midland	Relay Valve	10
	KN28132X	Midland	Relay Valve	10
	KN28140X	Midland	Relay Valve	9
	KN28300X	Midland	FAB (Fast Air & Balancing) Valve	11
VK1017M	KN22140X	Midland	Dual Circuit Foot Valve	9
	KN22150X	Midland	Dual Circuit Foot Valve	29
VK1018M	KN32040X	Midland	Quick Release Valve	26
VK1019B	12345X	Mid/Berg	Relay Valve	8
	12346X	Mid/Berg	Relay Valve	8
VK1020B	12343X	Mid/Berg	Relay Valve	7
VK1021B	12360X	Mid/Berg	TASK Valve	23
	12361X	Mid/Berg	TASK Valve	23
VK1022W	A103600X	Mid/Wagner	RF Relay Valve	14
	A86473X	Mid/Wagner	RF Relay Valve	14
	A86477X	Mid/Wagner	RF Relay Valve	14
	KN30100X	Mid/Wagner	Relay Emergency Valve	20
	KN30200X	Mid/Wagner	Relay Emergency Valve	20
	KN30300X	Mid/Wagner	Relay Emergency Valve	20
	KN30400X	Mid/Wagner	Relay Emergency Valve	20
VK1023W	KN28500X	Mid/Wagner	RG-2 Relay Valve	12
	KN28510X	Mid/Wagner	RG-2 Relay Valve	12
	KN28520X	Mid/Wagner	RG-2 Relay Valve	12
VK1024W	A97600X	Mid/Wagner	RS-2 Tandem Relay Valve	14
	A85490X	Mid/Wagner	RG-4 Tandem Relay Valve	13
	A85493X	Mid/Wagner	RG-4 Tandem Relay Valve	13
VK1025W	KN26000X	Mid/Wagner	RT-4 Spring Brake Valve	23
	KN26010X	Mid/Wagner	RT-4 Spring Brake Valve	23
VK1026W	A80070X	Mid/Wagner	RS Relay Valve	13
VK1027W	A88802X	Mid/Wagner	RT Valve	24
	A88812X	Mid/Wagner	RT Valve	24
	A98730X	Mid/Wagner	RT-2 Valve	24
	A99370X	Mid/Wagner	RT-2 Valve	24



### WARRANTY AIR BRAKE PRODUCTS

The AlliedSignal Truck Brake Systems Company warrants to the original retail purchaser of air brake products\* that all products sold by AlliedSignal Truck Brake Systems Company will be free of defective materials and workmanship, including Bendix Truck Product, for 12 months; 100,000 miles (160,000 kilometers) or 3,600 hours, EXCEPT for the following devices:

	V	ARRANTY PERI	OD
DEVICE	Mos.	Miles (kilometers)	Hours
FD-3 TorqueMaster Fan Clutch	36	300,000 (480,000)	10,800
Tu-Flo 501 & Tu-Flo 550 Compressors Tu-Flo 700 & Tu-Flo 750 Compressors EL1300 & EL1600 Midland Style Compressors	24	200,000 (320,000)	7200

The above does not include defects caused by improper installation, maintenance or service.

Products claimed to be defective should be returned freight prepaid to AlliedSignal Truck Brake Systems Company within 30 days after the date any defect is first discovered. AlliedSignal Truck Brake Systems Company will inspect the product and make the final determination as to whether the product is covered under the terms of this warranty.

When a warranty claim is allowed, AlliedSignal Truck Brake Systems Company's responsibility is limited, at AlliedSignal Truck Brake Systems Company's option, to repair or replace the defective product. For the first 12 months, 100,00 miles (160,000 kilometers), or 3,600 hours, whichever occurs first, AlliedSignal Truck Brake Systems Company will also allow its current labor allowance for removal and replacement when the defective product has been installed.

THIS WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESSED OR IM-PLIED, ARISING BY OPERATION OF LAW OR OTHERWISE, INCLUDING ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND IN NO EVENT WILL AL-LIED TRUCK BRAKE SYSTEMS COMPANY BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAM-AGES INCLUDING BUT NOT LIMITED TO COSTS INCURRED FOR SERVICE CALLS, TOWING, OR DOWNTIME.

\*Friction materials, Foundation Brakes, ASA-5 Automatic Slack Adjusters, and Hydraulic Brake products are covered under a separate warranty.

### **Sample Core Return Memo**



			LIST NO. UNITS BY	CORE CONDITION
MODEL CL	ASS / DEVICE	WEIGHT IN L86.	GOOD CORE	ONE PART DAMAGED
			Diaphragm Typ	
KN 18511X		1.0	viapinayin i yi	
KII TUUTTA	10100	1.0		
TOTAL QUAN	TITY			
GROUP: A8 M		ERNOR -	Piston Type	,
KN 18530X	AH-10191	1.0		
TOTAL QUAN				
		GLE CIRCI	L JIT FOOT VALV	E
KN 22100X		2.0		
TOTAL QUAN				
			FOOT VALVE	I
	VB-10302 VB-10304	2.0		
KH 22130A	VD-10304	3.0		
TOTAL QUAN	ITITY			
GROUP: V3 S	SEALCO DUAL	CIRCUIT	FOOT VALVE	
110400X	VC-10306	4.0		
TOTAL OUR				
GROUP: VA		AY VALVE	– Diaphragm	Type
KN 28010X	VE-10308	3.0		
KN 28011X	VE-10310	3.0		
TOTAL QUAN				l
			S – Piston Typ	18 T
KN 28060X KN 28061X	VF-10312	3.0 3.0		
KN 28061X	VF-10314 VF-10316	3.0		
KN 28080X	VF-10318	3.0		<u> </u>
KN 28085X	VF-10318	3.0		
KN 28132X	VF-10314	3.0		
KN 28300X	VF-10314	3.0		
TOTAL QUA				I
			: 1	1
KN 28130X	VG-10320	3.0		
TOTAL QUA				
TOTAL QUAR GROUP: V7	ITITY MIDLAND REI	LAY VALVE	 	
		AY VALVE		
GROUP: V7	MIDLAND REI VH-10322 VH-10324			
GROUP: V7 KN 28071X	MIDLAND RE VH-10322 VH-10324	3.0		
GROUP: V7 KN 28071X KN 28131X KN 28140X	MIDLAND REI VH-10322 VH-10324 VH-10324	3.0 3.0		
GROUP: V7 KN 28071X KN 28131X KN 28140X TOTAL QUAN	MIDLAND REI VH-10322 VH-10324 VH-10324 VH-10324	3.0 3.0 3.0		
GROUP: V7 KN 28071X KN 28131X KN 28140X TOTAL QUAR GROUP: V8	MIDLAND REI VH-10322 VH-10324 VH-10324 VH-10324 MITLY MIDLAND/WA	3.0 3.0 3.0 GNER REL	AY VALVE RG	2
GROUP: V7 KN 28071X KN 28131X KN 28140X TOTAL QUAN	MIDLAND REI VH-10322 VH-10324 VH-10324 VH-10324 NTITY MIDLAND/WA VI-10326	3.0 3.0 3.0		2
GROUP: V7 KN 28071X KN 28131X KN 28131X KN 28140X TOTAL QUAN GROUP: V8 KN 28500X	MIDLAND REI VH-10322 VH-10324 VH-10324 VH-10324 VH-10324 VI-10326 VI-10328	3.0 3.0 3.0 GNER REI 2.0		2
GROUP: V7 KN 28071X KN 28131X KN 28131X KN 28140X TOTAL QUAI GROUP: V8 KN 28500X KN 28510X	MIDLAND REI VH-10322 VH-10324 VH-10324 VH-10324 VH-10324 VI-10326 VI-10328	3.0 3.0 3.0 GNER REL 2.0 2.0		2
GROUP: V7 KN 28071X KN 28131X KN 28140X TOTAL QUA GROUP: V8 KN 28500X KN 28510X KN 28520X TOTAL QUA	MIDLAND REI VH-10322 VH-10324 VH-10324 VH-10324 MIDLAND/WA VI-10326 VI-10328 VI-10330 NTITY	3.0 3.0 3.0 GNER REL 2.0 2.0 2.0	AY VALVE RG	
GROUP: V7 KN 28071X KN 28131X KN 28140X TOTAL QUAI GROUP: V8 KN 28500X KN 28510X KN 28520X TOTAL QUAI GROUP: V9	MIDLAND REI VH-10322 VH-10324 VH-10324 VH-10324 VI-10326 VI-10326 VI-10328 VI-10330 VI-10330 VI-10330 VI-10330	3.0 3.0 3.0 3.0 GNER REL 2.0 2.0 2.0 2.0 4.0 2.0		
GROUP: V7 KN 28071X KN 28131X KN 28140X TOTAL QUAI GROUP: V8 KN 28500X KN 28510X KN 28520X TOTAL QUAI GROUP: V9 A 86473X	MIDLAND REI VH-10322 VH-10324 VH-10324 VH-10324 VH-10324 VI-10326 VI-10326 VI-10320 VI-10330 VI-10330 VI-10330 VI-10332	3.0 3.0 3.0 3.0 GNER REL 2.0 2.0 2.0 2.0 4.0 2.0 3.0	AY VALVE RG	
GROUP: V7 KN 28071X KN 28131X KN 28140X TOTAL QUAI GROUP: V8 KN 28500X KN 28510X KN 28520X TOTAL QUAI GROUP: V9 A 86473X A 86477X	MIDLAND REI VH-10322 VH-10324 VH-10324 VH-10324 VI-10324 VI-10326 VI-10328 VI-10328 VI-10330 VITITY WAGNER REL VJ-10332 VJ-10332	3.0 3.0 3.0 4GNER REI 2.0 2.0 2.0 2.0 2.0 2.0 3.0 3.0	AY VALVE RG	
GROUP: V7 KN 28071X KN 28131X KN 28140X TOTAL QUAI GROUP: V8 KN 28500X KN 28510X KN 28520X TOTAL QUAI GROUP: V9 A 86473X	MIDLAND REI VH-10322 VH-10324 VH-10324 VH-10324 VI-10324 VI-10326 VI-10328 VI-10328 VI-10330 VITITY WAGNER REL VJ-10332 VJ-10332	3.0 3.0 3.0 3.0 GNER REL 2.0 2.0 2.0 2.0 4.0 2.0 3.0	AY VALVE RG	
GROUP: V7 KN 28071X KN 28131X KN 28140X TOTAL QUAI GROUP: V8 KN 28500X KN 28510X KN 28520X TOTAL QUAI GROUP: V9 A 86473X A 86477X	MIDLAND REI VH-10322 VH-10324 VH-10324 VH-10324 VH-10326 VI-10326 VI-10328 VI-10330 VI-10330 VI-10330 VI-10332 VJ-10332 VJ-10332 VJ-10332	3.0 3.0 3.0 4GNER REI 2.0 2.0 2.0 2.0 2.0 2.0 3.0 3.0	AY VALVE RG	
GROUP: V7 KN 28071X KN 28131X KN 28131X KN 28140X TOTAL QUAI GROUP: V8 KN 28500X KN 28510X KN 28520X TOTAL QUAI GROUP: V9 A 86473X A 86477X A 103600X TOTAL QUAI	MIDLAND REI VH-10322 VH-10324 VH-10324 VH-10324 VH-10326 VI-10326 VI-10328 VI-10330 VH-10330 VH-10330 VH-10332 VJ-10332 VJ-10332 VJ-10332 VJ-10332 VJ-10334 VH-1032	3.0 3.0 3.0 GNER REL 2.0 2.0 2.0 2.0 2.0 3.0 3.0 3.0	AY VALVE RG	
GROUP: V7 KN 28071X KN 28131X KN 28140X TOTAL QUAI GROUP: V8 KN 28500X KN 28500X KN 28510X KN 28520X TOTAL QUAI GROUP: V9 A 86473X A 86477X A 103600X TOTAL QUAI GROUP: W1 A 80070X	MIDLAND REI VH-10322 VH-10324 VH-10324 VH-10324 VI-10326 VI-10326 VI-10328 VI-10328 VI-10328 VI-10330 VI-10332 VJ-10332 VJ-10332 VJ-10332 VJ-10332 VJ-10334 VI-10334	3.0 3.0 3.0 3.0 CONTRACT 2.0 2.0 2.0 2.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	AY VALVE RG	
GROUP: V7 KN 28071X KN 28131X KN 28140X TOTAL QUAI GROUP: V8 KN 28500X KN 28510X KN 28510X KN 28520X TOTAL QUAI GROUP: V9 A 86473X A 86473X A 86477X A 103600X TOTAL QUAI GROUP: W1 A 80070X A 85490X	MIDLAND REI VH-10322 VH-10324 VH-10324 VH-10324 VI-10326 VI-10326 VI-10328 VI-10328 VI-10330 VI-10330 VI-10332 VJ-10332 VJ-10332 VJ-10334 VI-10336 VK-10336 VK-10338	3.0 3.0 3.0 3.0 2.0 2.0 2.0 2.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 4.0	AY VALVE RG	
GROUP: V7 KN 28071X KN 28131X KN 28140X TOTAL QUAI GROUP: V8 KN 28500X KN 28510X KN 28510X KN 28520X TOTAL QUAI GROUP: V9 A 86473X A 86477X A 103600X TOTAL QUAI GROUP: V1 GROUP: V1 A 86470X A 85490X A 85493X	MIDLAND REI VH-10322 VH-10324 VH-10324 VH-10324 VH-10326 VI-10326 VI-10326 VI-10328 VI-10330 VI-10332 VJ-10332 VJ-10332 VJ-10332 VJ-10334 VI-10334 VK-10338 VK-10338	3.0 3.0 3.0 3.0 CONER REL 2.0 2.0 2.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 4.0 4.0	AY VALVE RG	
GROUP: V7 KN 28071X KN 28131X KN 28140X TOTAL QUAI GROUP: V8 KN 28500X KN 28510X KN 28510X KN 28520X TOTAL QUAI GROUP: V9 A 86473X A 86473X A 86477X A 103600X TOTAL QUAI GROUP: W1 A 80070X A 85490X	MIDLAND REI VH-10322 VH-10324 VH-10324 VH-10324 VI-10326 VI-10326 VI-10328 VI-10328 VI-10330 VI-10330 VI-10332 VJ-10332 VJ-10332 VJ-10334 VI-10336 VK-10336 VK-10338	3.0 3.0 3.0 3.0 2.0 2.0 2.0 2.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 4.0	AY VALVE RG	
GROUP: V7 KN 28071X KN 28131X KN 28131X KN 28140X TOTAL QUAI GROUP: V8 KN 28500X KN 28510X KN 28510X KN 28520X TOTAL QUAI GROUP: V9 A 86473X A 86473X A 103600X TOTAL QUAI GROUP: W1 A 805490X A 85433X A 97600X	MIDLAND REI VH-10322 VH-10324 VH-10324 VH-10324 VH-10326 VI-10326 VI-10328 VI-10320 VI-10320 VI-10330 VI-10330 VI-10332 VJ-10332 VJ-10332 VJ-10332 VJ-10332 VJ-10334 VI-10336 VK-10338 VK-10338 VK-10340	3.0 3.0 3.0 3.0 CONER REL 2.0 2.0 2.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 4.0 4.0	AY VALVE RG	
GROUP: V7 KN 28071X KN 28131X KN 28131X KN 28140X TOTAL QUAI GROUP: V8 KN 28500X KN 28500X TOTAL QUAI GROUP: V9 A 86473X A 86477X A 103600X TOTAL QUAI GROUP: W1 A 80070X A 85493X A 97600X TOTAL QUAI	MIDLAND REI VH-10322 VH-10324 VH-10324 VH-10324 VI-10326 VI-10326 VI-10328 VI-10328 VI-10328 VI-10330 VI-10330 VI-10332 VJ-10332 VJ-10332 VJ-10332 VJ-10332 VJ-10334 VK-10338 VK-10338 VK-10338 VK-10338 VK-10338	3.0 3.0 3.0 3.0 2.0 2.0 2.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 4.0 4.0 4.0	AY VALVE RG	5-2
GROUP: V7 KN 28071X KN 28131X KN 28131X KN 28140X TOTAL QUAI GROUP: V8 KN 28500X KN 28500X TOTAL QUAI GROUP: V9 A 86473X A 86477X A 103600X TOTAL QUAI GROUP: W1 A 80070X A 85493X A 97600X TOTAL QUAI	MIDLAND REI VH-10322 VH-10324 VH-10324 VH-10324 VH-10326 VI-10326 VI-10328 VI-10320 VI-10320 VI-10330 VI-10330 VI-10332 VJ-10332 VJ-10332 VJ-10332 VJ-10332 VJ-10334 VI-10336 VK-10338 VK-10338 VK-10340	3.0 3.0 3.0 3.0 2.0 2.0 2.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 4.0 4.0 4.0	AY VALVE RG	5-2
GROUP: V7 KN 28071X KN 28131X KN 28131X KN 28140X TOTAL QUAI GROUP: V8 KN 28500X KN 28500X TOTAL QUAI GROUP: V9 A 86473X A 86477X A 103600X TOTAL QUAI GROUP: W1 A 80070X A 85490X A 85490X A 85490X A 85490X A 97600X TOTAL QUAI GROUP: W2	MIDLAND REI VH-10322 VH-10324 VH-10324 VH-10324 VI-10326 VI-10326 VI-10328 VI-10328 VI-10328 VI-10328 VI-10330 VI-10330 VI-10332 VJ-10332 VJ-10332 VJ-10332 VJ-10332 VJ-10332 VJ-10338 VK-10340 VK-1040 VK-1040 VK-1040 VK-10400 VK-10400 VK-10400 VK-10400 VK-	3.0 3.0 3.0 3.0 2.0 2.0 2.0 2.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 4.0 4.0 4.0 4.0	AY VALVE RG	5-2
GROUP: V7 KN 28071X KN 28131X KN 28140X TOTAL QUAI GROUP: V8 KN 28500X KN 28510X KN 28510X KN 28510X KN 28520X TOTAL QUAI GROUP: V9 A 86473X A 86477X A 103600X TOTAL QUAI GROUP: W1 A 80070X A 85490X A 85490X A 97600X TOTAL QUAI GROUP: W2 TOTAL QUAI	MIDLAND REI VH-10322 VH-10324 VH-10324 VH-10324 VI-10326 VI-10326 VI-10326 VI-10328 VI-10330 VI-10330 VI-10332 VJ-10332 VJ-10332 VJ-10332 VJ-10334 VK-10336 VK-10338 VK-10338 VK-10338 VK-10338 VK-10340 VI-10342	3.0 3.0 3.0 3.0 2.0 2.0 2.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 4.0 4.0 4.0 4.0 4.0	AY VALVE RG	5-2
GROUP: V7 KN 28071X KN 28131X KN 28131X KN 28140X TOTAL QUAI GROUP: V8 KN 28500X KN 28500X TOTAL QUAI GROUP: V9 A 86473X A 86473X A 86477X A 103600X TOTAL QUAI GROUP: W1 A 80070X A 85493X A 97600X TOTAL QUAI GROUP: W2 12343X 12345X 12345X	WIDLAND REI   VH-10322   VH-10324   VH-10324   VH-10324   VITTY   MIDLAND/WA   VI-10326   VI-10327   VI-10328   VI-10328   VI-10327   VJ-10332   VJ-10332   VJ-10334   VITTY   WAGNER REL   VK-10338   VK-10338   VK-10339   VK-103340   NTITY   BERG RELAY   VL-10342   VL-10344   VL-10344	3.0 3.0 3.0 3.0 CONER REL 2.0 2.0 2.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 4.0 4.0 4.0 4.0 4.0 2.0 2.0 2.0	AY VALVE RG	5-2
GROUP: V7 KN 28071X KN 28131X KN 28131X KN 28140X TOTAL QUAI GROUP: V8 KN 28500X KN 28500X TOTAL QUAI GROUP: V9 A 86473X A 86477X A 103600X TOTAL QUAI GROUP: W1 A 80070X A 85490X A 85490X A 85490X A 85490X A 85490X A 85490X A 85490X I 2345X 12345X 12345X 12346X TOTAL QUAI	WIDLAND REI   VH-10322   VH-10324   VH-10324   VH-10324   VITTY   MIDLAND/WA   VI-10326   VI-10326   VI-10327   VI-10328   VI-10320   VI-10327   VJ-10332   VJ-10332   VJ-10332   VJ-10332   VJ-10332   VJ-10332   VJ-10332   VJ-10334   VK-10336   VK-10338   VK-10338   VK-103340   VITITY   BERG RELAY   VL-10342   VL-10346   VITITY	3.0 3.0 3.0 3.0 2.0 2.0 2.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 2.0 2.0	AY VALVE RG	
GROUP: V7 KN 28071X KN 28131X KN 28131X KN 28140X TOTAL QUAI GROUP: V8 KN 28500X KN 28500X TOTAL QUAI GROUP: V9 A 86473X A 86473X A 86477X A 103600X TOTAL QUAI GROUP: W1 A 80070X A 85490X A 85490X A 85490X A 85490X A 85490X I 2343X 12345X 12345X TOTAL QUAI GROUP: W2 TOTAL QUAI GROUP: W2	WIDLAND REI   VH-10322   VH-10324   VH-10324   VH-10324   VITTY   MIDLAND/WA   VI-10326   VI-10327   VI-10328   VI-10328   VI-10320   VI-10327   VJ-10332   VJ-10332   VJ-10332   VJ-10332   VJ-10332   VK-10336   VK-10338   VK-10330   VK-10338   VK-10340   VI-10342   VL-10344   VL-10346   WTITY	3.0 3.0 3.0 3.0 2.0 2.0 2.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	AY VALVE RG	
GROUP: V7 KN 28071X KN 28131X KN 28131X KN 28140X TOTAL QUAI GROUP: V8 KN 28500X KN 28500X TOTAL QUAI GROUP: V9 A 86473X A 86477X A 103600X TOTAL QUAI GROUP: W1 A 80070X A 85490X A 85490X A 85490X A 85490X A 85490X A 85490X A 85490X I 2345X 12345X 12345X 12346X TOTAL QUAI	WIDLAND REI   VH-10322   VH-10324   VH-10324   VH-10324   VI-10326   VI-10326   VI-10327   VI-10328   VI-10328   VI-10320   VI-10327   VI-10328   VI-10329   VI-10320   VI-10332   VJ-10332   VJ-10332   VJ-10332   VJ-10332   VJ-10334   VK-10336   VK-10338   VK-10338   VK-103340   VITITY   BERG RELAY   VL-10342   VL-10346   VITITY	3.0 3.0 3.0 3.0 2.0 2.0 2.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 2.0 2.0	AY VALVE RG	

-	100 / 00-005	WEIGHT	G000 CORE	ONE PART DAMAGED
	SEALCO REL	WLBS.	COHE	DAMAGED
9125X	VN-10350	4.0	l	
10197X	VN-10352	4.0		
TOTAL QUAN				<u> </u>
GROUP: W5 110139X	VO-10354	5.0	T	T
110200X	V0-10354 V0-10356	7.0		
110205X	V0-10356	7.0		1
110267X	VO-10358	6.0		
110338X	VO-10358	6.0		
				ļ
TOTAL QUA			E Lau Valua	3 Rod
110410X	VP-10360	3.0	(E – Lov Valve	2 - 011
110360X	VP-10360	3.0		
110375X	VP-10362	3.0		
TOTAL QUA				
		1	(E - Lov Valve	4 Port
110415X	VQ-10364	3.0		
110380X	VQ-10366	3.0		
TOTAL QUA	NTITY			ł
		ES RELAY	VALVE - 4 Po	1
5457X	VR-10368	2.0		1
5470X	VR-10370	2.0		
TOTAL QUA				<u> </u>
GHOUP: W9 5461X	VS-10372	2.0	VALVE - 2 Po	n 
5462X	VS-10372	2.0		+
34027	10-10072	2.0		
TOTAL QUA	NTITY			
				THE VALUE
GROUP: X1	SEALCO RATI	O SPRING	BRAKE CONT	HUL VALVE
GROUP: X1 110147X	VT-10374	0 SPRING 5.0	BRAKE CONTI	
110147X	VT-10374	******	BRAKE CONTI	
110147X	VT-10374	5.0		
110147X TOTAL QUA GROUP: X2	VT-10374 NTITY SEALCO RATI	5.0	BRAKE CONTI	
110147X	VT-10374	5.0 O SPRING		
110147X TOTAL QUA GROUP: X2 110170X	VT-10374 NTITY SEALCO RATI VU-10376	5.0 0 SPRING 4.0		
110147X TOTAL QUA GROUP: X2 110170X 110171X 110191X 110310X	VT-10374 NTITY SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10376	5.0 O SPRING 4.0 4.0 4.0 4.0		
110147X TOTAL QUA GROUP: X2 110170X 110171X 110191X	VT-10374 NTITY SEALCO RATI VU-10376 VU-10376 VU-10376	5.0 O SPRING 4.0 4.0 4.0		
110147X TOTAL QUAI GROUP: X2 110170X 110171X 110191X 110310X 110315X	VT-10374 NTITY SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10376 VU-10376	5.0 O SPRING 4.0 4.0 4.0 4.0		
110147X TOTAL QUA GROUP: X2 110170X 110171X 110191X 110310X 110315X TOTAL QUA	VT-10374 NTITY SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 NTITY	5.0 0 SPRING 4.0 4.0 4.0 4.0 4.0	BRAKE CONTI	ROL VALVE
110147X TOTAL QUA GROUP: X2 110170X 110171X 110191X 110310X 110315X TOTAL QUA	VT-10374 NTITY SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 NTITY	5.0 0 SPRING 4.0 4.0 4.0 4.0 4.0		ROL VALVE
110147X TOTAL QUA GROUP: X2 110170X 110171X 110191X 110310X 110315X TOTAL QUA GROUP: X3	VT-10374 NTITY SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 NTITY MIDLAND EE	5.0 O SPRING 4.0 4.0 4.0 4.0 4.0 4.0 7 PPE REL	BRAKE CONTI	ROL VALVE
110147X TOTAL QUAI GROUP: X2 110170X 110171X 110191X 110310X 110315X TOTAL QUAI GROUP: X3 KN 30100X	VT-10374 NTITY SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 NTITY MIDLAND EE VV-10380 VV-10382	5.0 O SPRING 4.0 4.0 4.0 4.0 4.0 4.0 4.0 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	BRAKE CONTI	ROL VALVE
110147X TOTAL QUA GROUP: X2 110170X 110171X 110191X 110310X 110315X TOTAL QUA GROUP: X3 KN 30100X KN 30200X	VT-10374 NTITY SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VV-10380 VV-10380	5.0 O SPRING 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 5.0 7 YPE REL 3.0 3.0	BRAKE CONTI	ROL VALVE
110147X TOTAL QUAI GROUP: X2 110170X 110171X 110191X 110310X 110315X TOTAL QUAI GROUP: X3 KN 30100X KN 30300X KN 30400X	VT-10374 NTITY SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 NTITY MIDLAND EE VV-10380 VV-10382 VV-10382	5.0 O SPRING 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	BRAKE CONTI	ROL VALVE
110147X TOTAL QUAI GROUP: X2 110170X 110170X 110171X 110191X 110315X TOTAL QUAI GROUP: X3 KN 30100X KN 30200X KN 30400X TOTAL QUA	VT-10374 NTITY SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10382 VV-10382 VV-10382 NTITY	5.0 O SPRING 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 3.0 3.0 3.0 3.0 3.0	BRAKE CONTI	ROL VALVE
110147X TOTAL QUAI GROUP: X2 110170X 110170X 110171X 110191X 110315X TOTAL QUAI GROUP: X3 KN 30100X KN 30200X KN 30300X KN 30400X TOTAL QUA GROUP: X4	VT-10374 NTITY SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10382 VV-10382 VV-10382 NTITY MIDLAND RE	5.0 O SPRING 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	BRAKE CONTI	ROL VALVE
110147X TOTAL QUAI GROUP: X2 110170X 110170X 110171X 110191X 110315X TOTAL QUAI GROUP: X3 KN 30100X KN 30200X KN 30400X TOTAL QUA	VT-10374 NTITY SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10382 VV-10382 VV-10382 NTITY MIDLAND RE	5.0 O SPRING 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 3.0 3.0 3.0 3.0 3.0	BRAKE CONTI	ROL VALVE
110147X TOTAL QUAI GROUP: X2 110170X 110170X 110171X 110191X 110315X TOTAL QUAI GROUP: X3 KN 30100X KN 30200X KN 30300X KN 30400X TOTAL QUA GROUP: X4	VT-10374 NT/ITY SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10380 VV-10382 VV-10382 NT/ITY MIDLAND RE VW-10378	5.0 O SPRING 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	BRAKE CONTI	ROL VALVE
110147X TOTAL QUAI GROUP: X2 110170X 110171X 110191X 110310X 110315X TOTAL QUAI GROUP: X3 KN 30400X KN 30400X TOTAL QUA GROUP: X4 KN 30010X	VT-10374 NT/ITY SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10380 VV-10382 VV-10382 NT/ITY MIDLAND RE VW-10378	5.0 O SPRING 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 5.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	BRAKE CONTI	ROL VALVE
110147X TOTAL QUAI GROUP: X2 110170X 110171X 110191X 110310X 110315X TOTAL QUAI GROUP: X3 KN 30400X KN 30400X TOTAL QUA GROUP: X4 KN 30010X	VT-10374 VT-10374 SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10382 VV-10380 VV-10382 VV-10382 VV-10382 VV-10382 NTITY MIDLAND RE WU-10378 NTITY	5.0 O SPRING 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 5.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	BRAKE CONTI	ROL VALVE
110147X TOTAL QUAI GROUP: X2 110170X 110170X 110171X 110191X 110315X TOTAL QUAI GROUP: X3 KN 30100X KN 30200X KN 30200X KN 30400X TOTAL QUA GROUP: X4 KN 30010X TOTAL QUA GROUP: X5 12350X	VT-10374 NTITY SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10382 VV-10382 VV-10382 VV-10382 NTITY MIDLAND RE VV-10378 NTITY BERG RELAY VX-10384	5.0 O SPRING 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 5.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 5.0 EMERGEN	BRAKE CONTI	ROL VALVE
110147X TOTAL QUA GROUP: X2 110170X 110170X 110191X 110315X TOTAL QUA GROUP: X3 KN 30100X KN 30200X KN 30200X KN 30200X KN 30300X TOTAL QUA GROUP: X4 KN 30010X TOTAL QUA GROUP: X5 12350X TOTAL QUA	VT-10374 NT/ITY SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10377 VU-10376 VU-10376 VU-10376 VU-10376 VV-10380 VV-10382 VV-10382 VV-10382 NT/ITY MIDLAND RE WV-10378 NT/ITY BERG RELAY VX-10384 NT/ITY	5.0 O SPRING 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	AY EMERGENC	
110147X TOTAL QUA GROUP: X2 110170X 110170X 110191X 110191X 110315X TOTAL QUA GROUP: X3 KN 30200X KN 30200X KN 30200X KN 30200X KN 30200X TOTAL QUA GROUP: X4 TOTAL QUA GROUP: X5 12350X	VT-10374 NT/ITY SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VV-10382 VV-10382 VV-10382 VV-10382 NT/ITY MIDLAND REAP NT/ITY MIDLAND RT	5.0 O SPRING 4.0 4.0 4.0 4.0 4.0 4.0 5.0 COMPARIANCE SOUTH SO	BRAKE CONTI	
110147X TOTAL QUAI GROUP: X2 110170X 110171X 110191X 110310X 110315X TOTAL QUAI GROUP: X3 KN 30400X KN 30400X TOTAL QUA GROUP: X4 KN 30010X TOTAL QUA GROUP: X5 12350X TOTAL QUA GROUP: X6 KN 25000X	VT-10374 VT-10374 SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10377 MIDLAND EE VV-10380 VV-10382 VV-10382 VV-10382 VV-10382 VV-10382 NTITY BERG RELAY VX-10384 NTITY MIDLAND RT VY-10384	5.0 O SPRING 4.0 4.0 4.0 4.0 4.0 4.0 4.0 5.0 COMPARIANCE EMERGEN 3.0 3.0 3.0 3.0 3.0 3.0 3.0 5.0 EMERGEN 3.0 5.0	AY EMERGENC	
110147X TOTAL QUA GROUP: X2 110170X 110170X 110191X 110191X 110315X TOTAL QUA GROUP: X3 KN 30200X KN 30200X KN 30200X KN 30200X KN 30200X TOTAL QUA GROUP: X4 TOTAL QUA GROUP: X5 12350X	VT-10374 VT-10374 SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10377 MIDLAND EE VV-10380 VV-10382 VV-10382 VV-10382 VV-10382 VV-10382 NTITY BERG RELAY VX-10384 NTITY MIDLAND RT VY-10384	5.0 O SPRING 4.0 4.0 4.0 4.0 4.0 4.0 5.0 COMPARIANCE SOUTH SO	AY EMERGENC	
110147X TOTAL QUAI GROUP: X2 110170X 110171X 110171X 110191X 110315X TOTAL QUAI GROUP: X3 KN 30100X KN 30200X KN 30200X KN 30200X KN 30400X TOTAL QUA GROUP: X4 KN 30010X TOTAL QUA GROUP: X5 I2350X TOTAL QUA GROUP: X6 KN 26000X KN 26000X KN 26000X	VT-10374 VT-10374 SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VV-10380 VV-10380 VV-10382 VV-10382 VV-10382 NTITY MIDLAND RE VV-10378 NTITY BERG RELAY VX-10384 NTITY VX-10386 VY-10386 VY-10386 VY-10386	5.0 O SPRING 4.0 4.0 4.0 4.0 4.0 4.0 4.0 5.0 COMPARIANCE EMERGEN 3.0 3.0 3.0 3.0 3.0 3.0 3.0 5.0 EMERGEN 3.0 5.0	AY EMERGENC	
110147X TOTAL QUAI GROUP: X2 110170X 110171X 110171X 110191X 110315X TOTAL QUAI GROUP: X3 KN 30100X KN 30200X KN 30200X KN 30200X KN 30200X TOTAL QUA GROUP: X6 12350X TOTAL QUA GROUP: X6 KN 26000X KN 26010X TOTAL QUA	VT-10374 VT-10374 SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10380 VV-10380 VV-10382 VV-10380 VV-10382 NTITY MIDLAND RE WV-10378 NTITY BERG RELAY VX-10384 NTITY VX-10386 VY-10386 VY-10386 NTITY	5.0 O SPRING 4.0 4.0 4.0 4.0 4.0 5.0 5.0 EMERGEN 3.0 5.0 5.0 5.0 5.0	AY EMERGENC	
110147X TOTAL QUAI GROUP: X2 110170X 110171X 110171X 110191X 110315X TOTAL QUAI GROUP: X3 KN 30100X KN 30200X KN 30200X KN 30200X KN 30200X TOTAL QUA GROUP: X6 12350X TOTAL QUA GROUP: X6 KN 26000X KN 26010X TOTAL QUA	VT-10374 VT-10374 SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VV-10380 VV-10380 VV-10382 VV-10382 VV-10382 NTITY MIDLAND RE VV-10378 NTITY BERG RELAY VX-10384 NTITY VX-10386 VY-10386 VY-10386 VY-10386	5.0 O SPRING 4.0 4.0 4.0 4.0 4.0 5.0 5.0 EMERGEN 3.0 5.0 5.0 5.0 5.0	BRAKE CONTI	
110147X TOTAL QUAI GROUP: X2 110170X 110170X 110191X 110315X TOTAL QUAI GROUP: X3 KN 30100X KN 30200X KN 30200X KN 30300X KN 30300X TOTAL QUA GROUP: X4 KN 30010X TOTAL QUA GROUP: X5 12350X TOTAL QUA GROUP: X6 KN 26000X KN 26000X KN 2600X COTAL QUA GROUP: X6 COTAL QUA GROUP: X6 COTAL QUA GROUP: X6 COTAL QUA COTAL QUA	VT-10374 VT-10374 SEALCO RATI VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10376 VU-10382 VV-10380 VV-10382 VV-10382 VV-10382 VV-10382 VV-10382 VV-10382 VV-10382 VV-10382 VV-10384 NTITY BERG RELAY VX-10384 NTITY BERG SELAY VY-10386 VY-10486 VY-10486 VY-10486 VY-10486 VY-10486 VY-10486 VY-10486 VY-10	5.0 O SPRING 4.0 4.0 4.0 4.0 4.0 5.0 COMPARIANCE	BRAKE CONTI	
110147X TOTAL QUAI GROUP: X2 110170X 110171X 110171X 110191X 110310X 110315X TOTAL QUAI GROUP: X3 KN 30400X KN 30400X TOTAL QUA GROUP: X4 KN 30010X TOTAL QUA GROUP: X5 12350X TOTAL QUA GROUP: X5 12350X TOTAL QUA GROUP: X5 12350X TOTAL QUA GROUP: X5 12350X TOTAL QUA GROUP: X5 12350X	VT-10374 VT-10374 VT-10376 VU-10376 VU-10376 VU-10376 VU-10377 VU-10376 VU-10376 VU-10380 VV-10380 VV-10380 VV-10382 VV-10382 VV-10382 VV-10382 VV-10382 VV-10382 VV-10382 VV-10388 VV-10378 NTITY BERG RELAY VX-10386 VY-10386 VY-10386 VY-10386 VY-10386 VY-10388 VZ-10388 VZ-10388 VZ-10388	5.0 O SPRING 4.0 4.0 4.0 4.0 4.0 4.0 5.0 5.0 CAY EMER 5.0 CAY EMER 5	BRAKE CONTI	

PLEASE PACK WARRANTY MATERIAL SEPARATE FROM CORES AND ATTACH LISTING TO CORE RETURN FORM

			LIST NO. UNITS BY	CORE CONDITION
MODEL C	LASS / DEVICE	WEIGHT IN LBS.	GOOD CORE	ONE PART DAMAGED
			BRAKE CONTR	
	WA-10390	3.0		•-
	WA-10390	3.0		
TOTAL QUAR	ITITY			
		2" SPRIN	G BRAKE CONT	ROL
A98730X	WB-10392	3.0		
A99370X	WB-10392	3.0		
TOTAL QUAN	ITITY			
GROUP: Y2	MIDLAND QU	CK RELEA	SE/DOUBLE CH	ECK
KN 32040X	WD-10396	1.0		
TOTAL QUA			L	
			LVE	
KN 28030X	WE-10398	2.0		
TOTAL QUA				
			TECTION VAL	/E/Z+LINE
KN 34060X	WF-10400	2.0		
TOTAL QUAL			TECTION	/ <b>C</b>
			TECTION VAL	15
KN 34030X	WG-10402	2.0		
KN 34050X	WG-10404	2.0		
KN 34070X	WG-10406	2.0		
TOTAL QUAL		CTOD 000	TECTION VAL	/5
		2.0	TECTION VAL	
KN 34090X	WH-10408 WH-10410	3.0		
KN 34090A	Wh-10410	3.0		
TOTAL QUA				
	SEALCO TRAI	ER VALVE		
A10005X		6.0		
TOTAL QUA	NTITY			
	NTITY SEALCO CART	RIDGE FOI	R A10005X	
		RIDGE FOI	R A10005X	
GROUP: YS	SEALCO CART		R A10005X	
GROUP: YS	WJ-10414		A 10005X	
GROUP: Y8 1005AX TOTAL QUAI	WJ-10414	1.0		
GROUP: Y8 1005AX TOTAL QUAI	SEALCO CART WJ-10414 WTITY	1.0		
GROUP: YS 1005AX TOTAL QUAI GROUP: Y9	SEALCO CART WJ-10414 WTITY SLOAN PUSH	1.0 PULL – Bri		
GROUP: Y8 1005AX TOTAL QUA GROUP: Y9 401033X	SEALCO CART WJ-10414 VTITY SLOAN PUSH WK-10416	1.0 PULL - Bri 2.0		
GROUP: YS 1005AX TOTAL QUAI GROUP: Y9 401033X 401037X TOTAL QUAI	SEALCO CART WJ-10414 NTITY SLOAN PUSH WK-10416 WK-10416 NTITY	1.0 PULL - Bri 2.0 2.0		
GROUP: YS 1005AX TOTAL QUAI GROUP: Y9 401033X 401037X TOTAL QUAI	SEALCO CART WJ-10414 NTITY SLOAN PUSH WK-10416 WK-10416	1.0 PULL - Bri 2.0 2.0		
GROUP: YS 1005AX TOTAL QUAI GROUP: Y9 401033X 401037X TOTAL QUAI	SEALCO CART WJ-10414 NTITY SLOAN PUSH WK-10416 WK-10416 NTITY NEWAY LEVEL	1.0 PULL - Bri 2.0 2.0		
GROUP: Y8 1005AX TOTAL QUAI GROUP: Y9 401033X 401037X TOTAL QUAI GROUP: Z1 90054007X	SEALCO CART WJ-10414 SLOAN PUSH WK-10416 WK-10416 WK-10416 NTITY NEWAY LEVER WL-10418	1.0 PULL Bri 2.0 2.0 ING VALVI		
GROUP: Y8 1005AX TOTAL QUAI GROUP: Y9 401033X 401037X TOTAL QUAI GROUP: Z1 90054007X TOTAL QUAI	SEALCO CART WJ-10414 NTITY SLOAN PUSH WK-10416 WK-10416 NTITY NEWAY LEVEN WL-10418 NTITY	1.0 PULL Bri 2.0 2.0 ING VALVI 2.0		
GROUP: Y8 1005AX TOTAL QUAI GROUP: Y9 401033X 401037X TOTAL QUAI GROUP: Z1 90054007X TOTAL QUAI GROUP: Z2	SEALCO CART WJ-10414 WTITY SLOAN PUSH WK-10416 WK-10416 NTITY NEWAY LEVEI WL-10418 WL-10418 WTITY FULLER SHIF	1.0 PULL - Bri 2.0 2.0 		
GROUP: Y8 1005AX TOTAL QUAI GROUP: Y9 401033X 401037X TOTAL QUAI GROUP: Z1 90054007X TOTAL QUAI GROUP: Z2	SEALCO CART WJ-10414 NTITY SLOAN PUSH WK-10416 WK-10416 NTITY NEWAY LEVEN WL-10418 NTITY	1.0 PULL - Bri 2.0 2.0 		
GROUP: Y8 1005AX TOTAL QUAI GROUP: Y9 401033X 401037X TOTAL QUAI GROUP: Z1 90054007X TOTAL QUAI GROUP: Z2 A3546X	SEALCO CARI WJ-10414 SLOAN PUSH WK-10416 WK-10416 WK-10416 WL-10418 WL-10418 WTITY FULLER SHIF WM-10420	1.0 PULL - Bri 2.0 2.0 		
GROUP: Y8   1005AX   1005AX   TOTAL QUAI   GROUP: Y9   401033X   401033X   401037X   TOTAL QUAI   GROUP: Z1   90054007X   TOTAL QUAI   GROUP: Z2   A3546X   TOTAL QUAI	SEALCO CARI WJ-10414 VIITY SLOAN PUSH WK-10416 WK-10416 WK-10416 WL-10418 VIITY FULLER SHIF FULLER SHIF WM-10420 VIITY	1.0 PULL - Brr 2.0 2.0 ING VALVI 2.0 TVALVE 1.0		
GROUP: Y8   1005AX   1005AX   1001020   GROUP: Y9   401033X   401033X   401037X   TOTAL QUAI   GROUP: Z1   90054007X   TOTAL QUAI   GROUP: Z2   A3546X   TOTAL QUAI   GROUP: Z2   A3546X	SEALCO CARI WJ-10414 VTITY SLOAN PUSH WK-10416 WK-10416 WK-10416 WL-10418 VTITY FULLER SHIF FULLER SHIF FULLER RANG	1.0 PULL - Bri 2.0 2.0 ING VALVI 2.0 T VALVE 1.0 E SELECT(		
GROUP: Y8   1005AX   1005AX   1001020   GROUP: Y9   401033X   401033X   401037X   TOTAL QUAI   GROUP: Z1   90054007X   TOTAL QUAI   GROUP: Z2   A3546X   TOTAL QUAI   GROUP: Z2   A3546X	SEALCO CARI WJ-10414 VIITY SLOAN PUSH WK-10416 WK-10416 WK-10416 WL-10418 VIITY FULLER SHIF FULLER SHIF WM-10420 VIITY	1.0 PULL - Brr 2.0 2.0 ING VALVI 2.0 TVALVE 1.0		
GROUP: YS 1005AX TOTAL QUAI GROUP: YG 401033X 401033X 401037X TOTAL QUAI GROUP: Z1 90054007X TOTAL QUAI GROUP: Z2 A3546X TOTAL QUAI GROUP: Z3 A3547X	SEALCO CARI WJ-10414 VTITY SLOAN PUSH WK-10416 WK-10416 WK-10418 WL-10418 VTITY FULLER SHIF WM-10420 VTITY FULLER RANG WN-10422	1.0 PULL - Bri 2.0 2.0 ING VALVI 2.0 T VALVE 1.0 E SELECT(		
GROUP: Y8   1005AX   TOTAL QUAI   GROUP: Y9   401037X   TOTAL QUAI   GROUP: Z1   90054007X   TOTAL QUAI   GROUP: Z1   90054007X   TOTAL QUAI   GROUP: Z1   9054007X   TOTAL QUAI   GROUP: Z2   A3546X   TOTAL QUAI   GROUP: Z3   A3547X   TOTAL QUAI	SEALCO CARI   WJ-10414   VTITY   SLOAN PUSH   WK-10416   WK-10418   VTITY   WEWAY LEVEN   VTITY   FULLER SHIF   WH-10420   VTITY   WILTY	1.0 PULL - Bri 2.0 2.0 ING VALV 2.0 TVALVE 1.0 SE SELECT( 4.0	555	
GROUP: YS 1005AX TOTAL QUAI GROUP: Y9 401037X TOTAL QUAI GROUP: Z1 90054007X TOTAL QUAI GROUP: Z2 A3546X TOTAL QUAI GROUP: Z3 A3547X TOTAL QUAI GROUP: Z4	SEALCO CARI   WJ-10414   VTITY   SLOAN PUSH   WK-10416   WK-10416   WK-10418   VTITY   NEWAY LEVEI   WH-10418   VTITY   FULLER SHIF   WM-10420   WTITY   FULLER RANG   WN-10422   VTITY   FULLER RANG   WN-10422	1.0 PULL - Bri 2.0 2.0 ING VALVI 2.0 TVALVE 1.0 E SELECTION 4.0 E SELECTION	555	
GROUP: YS 1005AX TOTAL QUAI GROUP: Y9 401037X TOTAL QUAI GROUP: Z1 90054007X TOTAL QUAI GROUP: Z2 A3546X TOTAL QUAI GROUP: Z3 A3547X TOTAL QUAI GROUP: Z4	SEALCO CARI   WJ-10414   VTITY   SLOAN PUSH   WK-10416   WK-10418   VTITY   WEWAY LEVEN   VTITY   FULLER SHIF   WH-10420   VTITY   WILTY	1.0 PULL - Bri 2.0 2.0 ING VALVI 2.0 TVALVE 1.0 E SELECTION 4.0 E SELECTION	555	
GROUP: Y8 1005AX TOTAL QUAI GROUP: Y9 401033X 401033X 401037X TOTAL QUAI GROUP: Z1 90054007X TOTAL QUAI GROUP: Z2 A3546X TOTAL QUAI GROUP: Z3 A3547X TOTAL QUAI GROUP: Z4 A3991X	SEALCO CARI   WJ-10414   WJ-10414   VIITY   SEADAN PUSH   WK-10416   WK-10416   WK-10417   WL-10418   WH-10418   WH-10420   WH-10420   WH-10422   WH-10422   WH-10422	1.0 PULL - Bri 2.0 2.0 ING VALVI 2.0 TVALVE 1.0 E SELECTION 4.0 E SELECTION	555	
GROUP: YS   1005AX   TOTAL QUAI   GROUP: YO   401033X   401033X   401033X   401033X   401037X   TOTAL QUAI   GROUP: YO   707AL QUAI   GROUP: Z1   90054007X   TOTAL QUAI   GROUP: Z2   A3546X   TOTAL QUAI   GROUP: Z3   A3547X   TOTAL QUAI   GROUP: Z4   A3991X   TOTAL QUAI	SEALCO CARI   WJ-10414   WI-10414   VTITY   SLOAN PUSH   WK-10416   WK-10416   WK-10418   VTITY   FULLER SHIF   FULLER SHIF   FULLER RANG   WN-10422   VTITY   FULLER RANG   W0-10424   W0-10424   WTITY	1.0 PULL - Brr 2.0 2.0 ING VALVI 2.0 TVALVE 1.0 E SELECTI 4.0 E SELECTI	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
GROUP: YS   1005AX   TOTAL QUAI   GROUP: YS   401033X   401033X   401033X   401037X   TOTAL QUAI   GROUP: Z1   90054007X   TOTAL QUAI   GROUP: Z2   A3546X   TOTAL QUAI   GROUP: Z3   A3547X   TOTAL QUAI   GROUP: Z4   A3991X   TOTAL QUAI   GROUP: Z4   GROUP: Z5	SEALCO CARI   WJ-10414   WJ-10414   VTITY   SLOAN PUSH   WK-10416   WK-10418   WL-10418   WL-10418   WH-10420   WTITY   FULLER RANG   WN-10422   WTITY   FULLER RANG   WO-10422   WTITY   FULLER RANG   WO-10424   WTITY   FULLER RANG   WO-10424   WTITY   FULLER RANG	1.0 PULL - Bri 2.0 2.0 ING VALVI 2.0 ING VALVI 3.0 ING	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
GROUP: YS   1005AX   TOTAL QUAI   GROUP: YS   401033X   401033X   401033X   401037X   TOTAL QUAI   GROUP: Z1   90054007X   TOTAL QUAI   GROUP: Z2   A3546X   TOTAL QUAI   GROUP: Z3   A3547X   TOTAL QUAI   GROUP: Z4   A3991X   TOTAL QUAI   GROUP: Z4   GROUP: Z5	SEALCO CARI   WJ-10414   WI-10414   VTITY   SLOAN PUSH   WK-10416   WK-10416   WK-10418   VTITY   FULLER SHIF   FULLER SHIF   FULLER RANG   WN-10422   VTITY   FULLER RANG   W0-10424   W0-10424   WTITY	1.0 PULL - Brr 2.0 2.0 ING VALVI 2.0 TVALVE 1.0 E SELECTI 4.0 E SELECTI	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
GROUP: Y8   1005AX   1005AX   100133X   GROUP: Y9   401033X   401033X   401033X   401037X   TOTAL QUAI   GROUP: Z1   90054007X   TOTAL QUAI   GROUP: Z1   90054007X   TOTAL QUAI   GROUP: Z2   A3546X   TOTAL QUAI   GROUP: Z3   A3547X   TOTAL QUAI   GROUP: Z4   A3991X   TOTAL QUAI   GROUP: Z5   A4668X	SEALCO CARI   WJ-10414   WJ-10414   VITTY   SLOAN PUSH   WK-10416   WK-10416   WK-10416   WK-10417   WL-10418   WH-10418   WH-10420   WM-10420   WITTY   FULLER SHIF   FULLER RANG   W0-10422   WTITY   FULLER RANG   W0-10424   WTITY   FULLER RANG   WP-10426	1.0 PULL - Bri 2.0 2.0 ING VALVI 2.0 ING VALVI 3.0 ING	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
GROUP: Y8   1005AX   1005AX   101033X   GROUP: Y9   401033X   401033X   401033X   401033X   401033X   401037X   TOTAL QUAI   GROUP: 21   90054007X   TOTAL QUAI   GROUP: 22   A3546X   TOTAL QUAI   GROUP: 23   A3547X   TOTAL QUAI   GROUP: 24   A3991X   TOTAL QUAI   GROUP: 24   A3991X   TOTAL QUAI   GROUP: 25   A4668X   TOTAL QUAI	SEALCO CARI   WJ-10414   WJ-10414   WK-10416   WK-10416   WK-10416   WK-10418   WL-10418   WH-10418   WH-10418   WH-10420   WH-10420   WH-10422   WH-10426   WH-10426	1.0 PULL Brit 2.0 2.0 ING VAL VI 2.0 F VAL VE 1.0 F VAL VE 4.0 F SELECT( 4.0 F SELECT( 4.0 F SELECT( 4.0 F SELECT( 4.0 F SELECT( 4.0 F SELECT( 5.0 F SEL	DR	
GROUP: Y8   1005AX   TOTAL QUAI   GROUP: Y9   401033X   401033X   401033X   401033X   401033X   401033X   401033X   401037X   TOTAL QUAI   GROUP: 21   90054007X   TOTAL QUAI   GROUP: 22   A3546X   TOTAL QUAI   GROUP: 23   A3547X   TOTAL QUAI   GROUP: 24   A3991X   TOTAL QUAI   GROUP: 24   A3991X   TOTAL QUAI   GROUP: 25   A4668X   TOTAL QUAI   GROUP: 26	SEALCO CARI   WJ-10414   WJ-10414   SEALCO CARI   WK-10416   WK-10416   WK-10416   WL-10418   WU-10418   WU-10418   WH-10420   WTITY   FULLER SHIF   FULLER RANG   WN-10422   WTITY   FULLER RANG   WO-10424   WTITY   FULLER RANG   WP-10426   WTITY   CUMMINS FU	1.0 PULL - Brr 2.0 2.0 ING VAL VI 2.0 TVAL VE 1.0 F SELECTI 4.0 E SELECTI 4.0 E SELECTI 4.0 E SELECTI	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
GROUP: Y8   1005AX   TOTAL QUAI   GROUP: Y9   401033X   TOTAL QUAI   GROUP: Y1   9005407X   TOTAL QUAI   GROUP: Z1   90054007X   TOTAL QUAI   GROUP: Z2   A3545X   TOTAL QUAI   GROUP: Z3   A3547X   TOTAL QUAI   GROUP: Z4   A3991X   TOTAL QUAI   GROUP: Z4   A3991X   TOTAL QUAI   GROUP: Z4   A4668X   TOTAL QUAI   GROUP: Z6   A4668X   TOTAL QUAI   GROUP: Z6   A4668X   TOTAL QUAI   GROUP: Z6   6997312X	SEALCO CARI   WJ-10414   WI-10414   VTITY   SLOAN PUSH   WK-10416   WK-10416   WK-10418   WL-10418   WI-10418   WH-10420   WTITY   FULLER SHIF   WN-10422   WN-10422   WN-10422   WN-10422   WN-10422   WN-10422   WN-10422   WN-10422   WN-10424   WO-10424   WTITY   FULLER RANG   WD-10426   WTITY   WU-10428	1.0 PULL - Brr 2.0 2.0 ING VALVI 2.0 TVALVE 1.0 E SELECTI 4.0 E SELECTI 4.0 E SELECTI 4.0 E SELECTI 1.0	DR	
GROUP: Y8   1005AX   TOTAL QUAI   GROUP: Y9   401033X   TOTAL QUAI   GROUP: Y1   9005407X   TOTAL QUAI   GROUP: Z1   90054007X   TOTAL QUAI   GROUP: Z2   A3545X   TOTAL QUAI   GROUP: Z3   A3547X   TOTAL QUAI   GROUP: Z4   A3991X   TOTAL QUAI   GROUP: Z4   A3991X   TOTAL QUAI   GROUP: Z4   A4668X   TOTAL QUAI   GROUP: Z6   A4668X   TOTAL QUAI   GROUP: Z6   A4668X   TOTAL QUAI   GROUP: Z6   6997312X	SEALCO CARI   WJ-10414   WJ-10414   SEALCO CARI   WK-10416   WK-10416   WK-10416   WL-10418   WU-10418   WU-10418   WH-10420   WTITY   FULLER SHIF   FULLER RANG   WN-10422   WTITY   FULLER RANG   WO-10424   WTITY   FULLER RANG   WP-10426   WTITY   CUMMINS FU	1.0 PULL - Brr 2.0 2.0 ING VAL VI 2.0 TVAL VE 1.0 F SELECTI 4.0 E SELECTI 4.0 E SELECTI 4.0 E SELECTI	DR	



