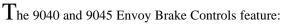


Tekonsha's 9030 & 9035 voyager brake controls feature:

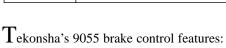
- Simple four-wire hook-up makes installation fast and simple,
- Enough power for 2 to 4 and 6 to 8 brake systems,
- A green LED changes to red to indicate relative braking power,
- Compatible with ABS systems.
- Five year "No Fault" warranty.

TEKONSHA 9030 AND 9035 BRAKE CONTROL			
Part #	Part # Description		
9030	Tekonsha brake control, all electric, for 2 & 4 brake systems (1 & 2 axles), Voyager		
9035	Tekonsha brake control, all electric, for 6 & 8 brake systems (3 & 4 axles), Voyager XP		



- Simple 4-wire hook-up and pivot mount to simplify installation.
- Compatible with ABS systems,
- Five year "No Fault" warranty.
- A green LED changes to red to indicate relative braking power,

TEKONSHA 9040 AND 9045 BRAKE CONTROL			
Part #	art # Description		
9040	Tekonsha brake control, all electric, for 2 & 4 brake systems (1 & 2 axles), Envoy		
9045	Tekonsha brake control, all electric, for 6 brake systems (3 axles), Envoy XP		



- Gain control which adjusts power output to the trailer brakes,
- Easy-to-access manual override slide lever,
- LED power delivery display which shows the amount of current delivery to trailer brakes when applied.
- Five year "No Fault" warranty.

TEKONSHA 9055 BRAKE CONTROL		
Part #	Description	
9055	Tekonsha brake control, all electric, for 2, 4, 6 & 8 brake systems (1 to 4 axles), Sentinel	

Hayes all-electronic brake controls are some of the most advanced brake controls on the market. They can be used on both domestic and imported vehicles. Features include:

- Easy installation,
- Solid state design,
- Built-in automatic circuit protection,
- Meets federal motor vehicle standards,
- The 81750 Micro Control HD Plus comes with a lifetime warranty

HAYES ALL-ELECTRIC BRAKE CONTROL		
Part #	Description	
81751	Hayes manual remote switch for 81750 controller	
81750	Hayes brake control, all electric, for 2, 4, 6 & 8 brake systems (1 to 4 axles)	
81741B	Hayes brake control, all electric, for 2 & 4 brake systems (1 & 2 axles)	
81725	Hayes brake control, all electric, for 2 & 4 brake systems (1 & 2 axles)	









9055

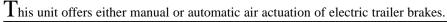




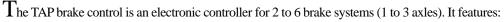






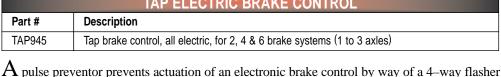


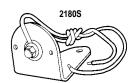
HAYES AIR BRAKE CONTROL		
Part #	art # Description	
100400B	Hayes brake control, for 2, 4 & 6 brake systems for air brake tow vehicles	



- 10 LED bar graph displays the speed and hardness of trailer brakes,
- Bar graph with fingertip output controls allows precise adjustments,
- Manual override slide switch,
- Includes mounting bracket, hardware and installation instructions,
- For use with 12-volt negative ground systems only,
- 4-year limited warranty.

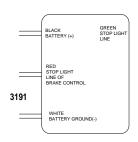
TAP ELECTRIC BRAKE CONTROL			
Part #	Description		
TAP945	Tap brake control, all electric, for 2, 4 & 6 brake systems (1 to 3 axles)		







PULSE PREVENTOR		
Part #	Description	
2180S	Pulse preventor, for brake control	



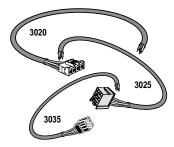
m T he positive ground conversion kit from Tekonsha is required for installation of the 9030 and 9035 brake controls when vehicles have a positive ground system.

POSITIVE GROUND CONVERSION KIT			
Part #	Description		
3191	12v positive ground conversion kit		



Our 0-20 D.C. amp electric brake ammeter from Hayes is for 2, 4 or 6 brake assemblies. It works with all electric brake controllers (manual or electronic). There is no need to cut any wires so it installs quickly.

ELECTRIC BRAKE AMMETER		
Part #	Description	
810	Electric brake ammeter	



Simplify your brake control installation with these O.E.M. Wiring Harnesses. Designed to fit a truck's factory tow package option

BRAKE CONTROL WIRING HARNESS		
Part #	Description	
3020	2' Harness for '96 - '98 Dodge Ram / '98 - '99 Dodge Durango trucks	
3025	2' Harness for '99 GM trucks	
3035	2' Harness for '92 - '99 Ford trucks and vans	

The complete brake control installation package includes wire, a circuit breaker, terminals and wire ties. Use our side-post battery adapter kit for side-mount batteries. For use with most electric brake controllers (use with negative ground systems).

BRAKE CONTROL INSTALLATION KITS		
Part #	Description	
BC1	Brake control installation kit	
BC1-1	Side-post battery adapter kit	



- (10) wire ties
- (2) ring terminals (5/16")
- (4) butt connectors • (2) screws #8 X ½"
- (2) #10 blue ring connectors
- (1) 20 amp breaker
- (1) quick splices
- (1) 14 gauge, 15' black wire
- (1) 14 gauge, 25' blue wire
- (1) 16 gauge, 3' red wire
- (1) 16 gauge, 15' blue wire



Tekonsha's Shur-Set III breakaway kits are the most advanced systems on the market today. Following are some of the unique features of the Shur-Set III breakaway kits:

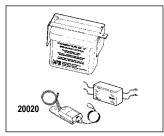
- Meets or exceeds D.O.T. specifications regarding breakaway/holding requirements,
- Weather/corrosion resistant,
- Mounts on jackpost or A-frame.

	TEKONSHA BREAKAWAY KITS		
Part #	Description	Includes	
2028	Breakaway kit, complete, uses 5 amp battery	Battery case with mounting bracket (part # 2018), Rechargeable battery, sealed, 12v, 5 amp (part # 2023), Nylon breakaway switch (part # 2010), Battery charger (part # 2024)	
2026	Breakaway kit, w/o battery charger, uses 5 amp battery	Battery case with mounting bracket (part # 2018), Rechargeable battery, sealed, 12v, 5 amp (part # 2023), Nylon breakaway switch (part # 2010)	
1028	Breakaway kit, complete, uses 4 amp battery	Battery case with mounting bracket (part # 2018), Rechargeable battery, sealed, 12v, 4 amp (part # 1023), Nylon breakaway switch (part # 2010) Battery charger (part # 1024)	
1026	Breakaway kit, w/o battery charger, uses 4 amp battery	Battery case with mounting bracket (part # 2018), Rechargeable battery, sealed, 12v, 4 amp (part # 1023), Nylon breakaway switch (part # 2010)	
20020	Breakaway kit, lockable complete, uses 5 amp battery	Lockable metal mounting bracket with battery case (part # 20000), Rechargeable battery, sealed, 12v, 5 amp (part # 2023), Nylon breakaway switch (part # 2010), Battery charger (part # 2024)	
20010	Breakaway kit, lockable, w/o battery charger, uses 5 amp battery	Lockable metal mounting bracket with battery case (part # 20000), Rechargeable battery, sealed, 12v, 5 amp (part # 2023), Nylon breakaway switch (part # 2010)	
20005	Breakaway kit, lockable, w/o battery charger, uses 5 amp battery	Lockable battery case (part # 2051), Rechargeable battery, sealed, 12v, 5 amp (part # 2023), Nylon breakaway switch (part # 2010)	









- Bale Cortrol System -



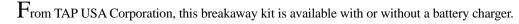
Breakaway switches set the trailer brakes in case of accidental trailer breakaway. The trailer brakes are applied automatically. Silver contact points remain corrosion free for positive contact.

	TEKONSHA BREAKAWAY SWITCHES				
Part #	Description				
2009	Breakaway switch, metal with cable and pin				
2010	Breakaway switch, nylon with cable and pin				
2009A	Replacement cable and pin assembly, for switch 2009				
2010A	Replacement cable and pin assembly, for switch 2010				

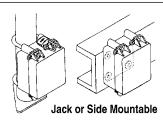


	TEKONSHA BREAKAWAY KIT ACCESSORIES				
Part #	Description				
2018	Battery case				
20000	Lockable battery case with metal bracket				
2051	Lockable battery case, all Polymer				
2023	Rechargeable battery, 12v, 5 amp, sealed				
1023	Rechargeable battery, 12v, 4 amp, sealed				
2024	Battery charger				





	TAP BREAKAWAY KITS				
Part #	Description	Includes			
TAP947	Breakaway kit, complete	Lockable battery box, 12v sealed rechargeable battery, breakaway switch, battery charger			
TAP946	Breakaway kit, w/o battery charger	Lockable battery box, 12v sealed rechargeable battery, breakaway switch			



Atwood's brake actuators feature:

- Heavy-duty, stamped steel housing,
- 2" ball socket,
- Brake lockout lever prevents brakes from being applied while backing up, increasing maneuverability
- Light weight and compact design.



	ATWOOD BRAKE ACTUATORS						
Part #	Attachment	Capacity	Tongue Weight	Zinc	Disc Brake		
82543	Ball coupler, 2"	6,000 lbs.	900 lbs.				
84132	Ball coupler, 2"	6,000 lbs.	900 lbs.	•			
83000	Ball coupler, 2"	8,000 lbs.	1,000 lbs.				
83010	Ball coupler, 2"	8,000 lbs.	1,000 lbs.	•			
88740	Ball coupler, 2"	6,000 lbs.	900 lbs.		•		
88370	Ball coupler, 2"	6,000 lbs.	900 lbs.	•	•		

Bale Cortrol Systems

We believe that selection is important. We have selected four different Dico actuating systems/models for your convenience. *Note:* Designed for drum brake use.

	DICO BRAKE ACTUATOR - MODEL 6					
Part #	Attachment	Capacity	Tongue Weight	Zinc Plated	Adjustable	Mounting Channel
24800	Ball coupler, 1% – 2", multi-fit	6,000 lbs.	600 lbs.	•		•
24928	Ball coupler, 1% – 2", multi-fit, A-frame	6,000 lbs.	600 lbs.	•		
40792	Ball coupler, 2%6"	7,500 lbs.	600 lbs.	•		•
40676	Ball coupler, 2%,", A-frame	7,500 lbs.	600 lbs.	•		
40455	Lunette eye, 3", A-frame	7,500 lbs.	600 lbs.	•		

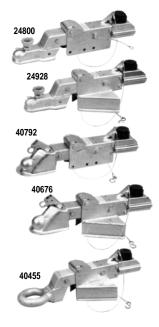
DICO BRAKE ACTUATOR - MODEL 60						
Part #	Attachment	Capacity	Tongue Weight	Zinc Plated	Adjustable	Mounting Channel
43397	Ball coupler, 1% – 2", multi-fit, straight	6,000 lbs.	600 lbs.	•		
43329	Ball coupler, 1% – 2", lever lock, straight	6,000 lbs.	600 lbs.	•		

	DICO BRAKE ACTUATOR - MODEL 10					
Part #	Attachment	Capacity	Tongue Weight	Zinc Plated	Adjustable	Mounting Channel
42383	Ball coupler, 2%6"	10,000 lbs.	800 lbs.		•	•
24776	Ball coupler, 2%6"	10,000 lbs.	800 lbs.	•		•
24781	Ball coupler, 25/6", with drop	10,000 lbs.	800 lbs.	•		•
16075	Ball coupler, 25/6", straight	10,000 lbs.	800 lbs.			
18909	Ball coupler, 25/6", straight	10,000 lbs.	800 lbs.		•	
18911	Lunette eye, 3", straight	10,000 lbs.	800 lbs.		•	
16645	Lunette eye, 3"	10,000 lbs.	800 lbs.			•
16079	Clevis channel, .750" pin, straight	10,000 lbs.	800 lbs.		•	
24046	No attachment, straight	10,000 lbs.	800 lbs.			

	DICO BRAKE ACTUATOR - MODEL 20					
Part #	Attachment	Capacity	Tongue Weight	Zinc Plated	Adjustable	Mounting Channel
18898	Ball coupler, 25/6", straight	12,000 lbs.	1,200 lbs.		•	
15210	Ball coupler, 25/6", straight	20,000 lbs.	2,000 lbs.			
17778	Lunette eye, 3", straight	12,000 lbs.	1,200 lbs.		•	
12974	Lunette eye, 3", straight	20,000 lbs.	2,000 lbs.			
18991	Adjustable channel only	12,000 lbs.	1,200 lbs.		•	

T oledo brake actuator needs no electrical or hydraulic connections to towing vehicle and is constantly ready to deliver proportional braking.

TOLEDO BRAKE ACTUATOR				
Part #	Description	Style	Capacity	Application
16006	Brake actuator	A-frame	5,000 lbs.	Fits 2" ball
16039	Brake actuator	A-frame	6,000 lbs.	Fits 2% ball
16015	Brake actuator	Channel, 3"	5,000 lbs.	Fits 2" ball
16062	Brake actuator	Channel, 3"	6,000 lbs.	Fits 2% ball





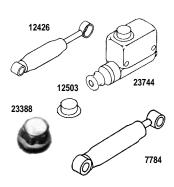




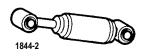
Bale Cortrol System



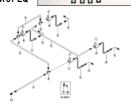
	ATWOOD BRAKE ACTUATOR REPLACEMENT PARTS
Part #	Description
16196	Hose
85830	Replacement shock
85841	Replacement master cylinder
85852	Replacement push rod
87478	Replacement master cylinder cap kit

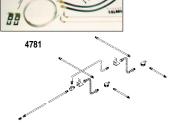


	DICO BRAKE ACTUATOR REPLACEMENT PARTS
Part #	Application
12426	Replacement shock absorber for model 10
7784	Replacement shock absorber for model 20
23361	Replacement shock absorber for model 60
23744	Replacement master cylinder for model 10 and 20
12503	Replacement filler cap and gasket for model 10 and 20
23388	Replacement filler cap for model 60
40454	Replacement multi-fit coupler repair kit
43951	Replacement master cylinder for model 60
8288	Replacement front roller bolt, %" X 4%" X ½" NC for model 10 and 20
8294	Replacement rear roller bolt, %" NF X 5" for model 20
8297	Replacement spacer for model 20
8388	Replacement cylinder bracket assy. for model 10, 12 and 20 actuators, right hand
8389	Replacement cylinder bracket assy. for model 10, 12 and 20 actuators, left hand









	TOLEDO BRAKE ACTUATOR REPLACEMENT PARTS
Part #	Description
10614	Master cylinder kit
1844-2	Shock absorber
16500	Replacement cap
1753	Self-locking nut, ½" - 20
1808-1	Link
1829	Shaft
1745	Nylon bearing

SURGE BRAKE LINE KITS			
Part #	Application		
4780	Single axle		
4780-EQ	Single axle, Equalizer		
4780-A	Single axle, Atwood		
4780-A20	Single axle, Atwood 20' length		
4780-SS	Single axle, stainless steel		
4781	Tandem axle		
4781-EQ	Tandem axle, Equalizer		
4781-A	Tandem axle, Atwood		
4781-A20	Tandem axle, Atwood 20' length		
4781-SS	Tandem axle, stainless steel		

- Bale Cortrol System

Line lock out solenoids are used on disc brake systems. They keep the brakes from locking in reverse when used with a surge actuator.

LINE LOCK OUT SOLENOIDS				
Part #	Description			
DBL-LOCK	Normally closed			
DBL-LOCK/NO	Normally open			





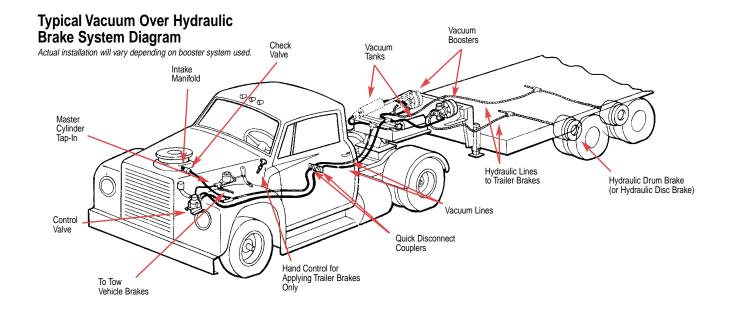
BluDot has put together the systems that you need for hydraulic brake control. All kits listed are for tandem applications and come complete with all hardware needed for proper installation.

BLUDOT TRAILER BRAKE SYSTEMS				
Part #	Description	Application		
TV-802	Vacuum over hydraulic trailer kit	QRG, AL-KO, Dexter and Hayes 5 - 7K		
TV-1002	Vacuum over hydraulic trailer kit	Dexter, 8 - 15K		
TV-1202	Vacuum over hydraulic trailer kit	QRG, AL-KO and Hayes 8K		
TV-1602	Vacuum over hydraulic trailer kit	QRG, AL-KO and Hayes 9 - 12K		
TV-1602D	Vacuum over hydraulic trailer kit	AL-KO, Dexter and Hayes 10 - 12K Disc		
TH-802	Air over hydraulic trailer kit	QRG, AL-KO, Dexter and Hayes 5 - 7K		
TH-1002	Air over hydraulic trailer kit	Dexter 8 - 12K		
TH-1202	Air over hydraulic trailer kit	QRG, AL-KO and Hayes 8K		
TH-1402	Air over hydraulic trailer kit	Dexter 15K		
TH-1502	Air over hydraulic trailer kit	QRG, AL-KO and Hayes 9 - 12K		
TH-1502D	Air over hydraulic trailer kit	AL-KO, Dexter and Hayes 10 - 12K		
TA-1602	Air trailer kit	Single chamber drum air brakes		
TK-3000	Vacuum truck kit	½ to 1 ton trucks and over 1 ton after 1987		
TK-3100	Vacuum truck kit	Over 1 ton trucks before 1987		
VP-2100	Electric vacuum pump kit	All 12 volt DC trucks		





VP-2100



Bale Cortrol System



These hydraulic brake actuation systems are the leading edge of technology. "Master Brake Systems" has engineered a complete line of Vacuum and Air controlled systems as well as complete Air kits. Please contact your nearest branch for assistance in finding the right application for your needs.



Vacuum/Hydraulic Kit Components



Truck Vacuum Kit Components



Air Tank Kit Components

	MASTER BRAKE TRAILER BRAKE SYSTEMS				
Part #	Description	Application			
9208-2	Vacuum over hydraulic trailer kit	QRG, AL-KO, Dexter and Hayes 5 - 7K and Kodiak 10" disc			
9210-2	Vacuum over hydraulic trailer kit	Dexter, 8 - 15K and Kodiak 12" disc			
9212-2	Vacuum over hydraulic trailer kit	QRG, AL-KO, Hayes 8K and Kodiak 13" disc			
9215-2	Vacuum over hydraulic trailer kit	QRG, AL-KO and Hayes 9 - 12K			
9216-2	Vacuum over hydraulic trailer kit	AL-KO, Dexter and Hayes 10 - 12K Disc			
8508-2	Air over hydraulic trailer kit	QRG, AL-KO, Dexter and Hayes 5 - 7K and Kodiak 10" disc			
8510-2	Air over hydraulic trailer kit	Dexter, 8 - 15K and Kodiak 12" disc			
8510-21-2	Air over hydraulic ABS trailer kit	Dexter 8 - 15K w/ ABS on 1 axle			
8512-2	Air over hydraulic trailer kit	QRG, AL-KO, Hayes 8K and Kodiak 13" disc			
8515-2	Air over hydraulic trailer kit	QRG, AL-KO and Hayes 9 - 12K			
8516-2	Air over hydraulic trailer kit	AL-KO, Dexter and Hayes 10 - 12K			
8102	Air trailer kit	Single chamber drum air brakes			
8202-1	Air trailer kit	Spring chamber drum air brakes			
8202-21-1	Air ABS trailer kit	Spring chamber drum air brakes w/ ABS on one axle			
8202-42-1	Air ABS trailer kit	Spring chamber drum air brakes w/ ABS on two axles			
9107	Vacuum truck kit	½ to 1 ton trucks and over 1 ton after 1987			
9111	Vacuum truck kit	Over 1 ton trucks before 1987			
9615	Vacuum pump kit	'96 - '98 350 EFI Chevy			
9624	Vacuum pump kit	'96 - '98 454 EFI Chevy			
9630	Vacuum pump kit	'88 - '98 460 Ford			
9631	Vacuum pump kit	'98 6.4L V10 Ford			
9645	Vacuum pump kit	'95 - '97 6.9L and 7.3L Diesel Turbo Ford			
9646	Vacuum pump kit	'99 6.9L and 7.3L Diesel Turbo Ford			
9672	Vacuum pump kit	'94 - '98 5.9L CumminsDiesel Dodge			
9673	Vacuum pump kit	'98 Cummins Diesel 24 Valve Dodge			
9675	Vacuum pump kit	'94 - '98 488 V10 Dodge			
9579-1	Line kit	All drum brakes			
9579-2	Line kit	10K and 12K disc brakes			

MERITOR WABCO



ABS Components

Easy-StopTM ABS brake systems from Meritor Wabco help increase safety factors on air brake trailers. The systems are available in a multitude of configurations as well as customized kits. Contact your nearest branch for assistance.

MERITOR / WABCO TRAILER BRAKE SYSTEMS				
Part #	Description	Application		
214010	Air ABS trailer kit	Spring chamber drum air brakes with ABS on 1 axle		
424324	Air ABS trailer kit	Spring chamber drum air brakes with ABS on 2 axles		



Troubleshooting Guide

for Electric Brakes

DRAGGING BRAKES

- ·Check brake adjustment.
- Check for defective controller.
- •Check for improperly installed flange. Check for corroded brake assembly.
- •Check for weak or broken brake shoe return spring.
- •Check for worn or damaged lever arm between

magnet and brake shoe.

•Improper controller installed position.

NOISY **BRAKES**

- •Check brake adjustment.
- •Check for worn brake shoes.
- •Check for contaminated brake linings.
- Check for weak or broken brake shoe return springs.
- ·Check for bent backing plate.
- •Check for improperly installed flange.
- •Check wheel bearing adjustment.
- •Check for worn or damaged wheel bearings.
- •Check for worn or damaged magnets.

BRAKES LOCKED • Check stoplight switch adjustment.

OR BRAKE PEDAL •Check for short between stoplight switch circuit and NOT DEPRESSED

power supply circuit.

•If brakes are locked when 4-way flashers are operat-

ed, check for pulse preventor installed in circuit.

LED LIGHT COMES •If trailer is connected, this indicates normal

ON DIM & GETS

operation.

BRIGHTER AS BRAKES APPLIED •If trailer is not connected, check for short in electro-magnet circuit between controller and trailer

connector, at rear of vehicle.

ON BRIGHT & STAYS BRIGHT

LED LIGHT COMES •If trailer is hooked up, this indicates system is not operating. Check trailer brakes and connecting

•If trailer is not connected, this indicates that system

is ready to function.

INOPERATIVE BREAKAWAY

SWITCH

- •Check for dead or weak 12-volt battery, on trailer.
- •Check all wiring and connections.
- ·Check breakaway switch.
- •If only one brake is operating, check other magnets.

UNEVEN TIRE WEAR

•On tandem axle trailers, check voltage at front axle and rear axle with brakes applied. At times, the front axle will "lift" allowing front wheel to lock and slide. Correction can be made by installing a resistor in front brake circuit or combination of axle resistor and

an adjusted controller.

NO BRAKES

- Check for defective circuit breaker.
- •Check for open or shorted circuit.
- •Check for properly wired system including a good ground between towing vehicle and trailer.
- •Check for defective controller or loose wiring at controller.
- •Check brake adjustment.
- Check for defective resistor or loose wiring at resis-

- Check for worn or defective magnet(s).
- Check for a damaged or worn connector between towing vehicle/trailer.
- Check for a burned out resistor.
- Ensure correct controller is installed.

INTERMITTENT **OR SURGING BRAKES**

- Check for out-of-round brake drums.
- ·Check for properly wired system, including a good ground between towing vehicle and trailer
- Check for defective magnet or wiring.
- Check for loose/worn wheel bearings.

INEFFECTIVE OR WEAK BRAKES

- •Ensure trailer is not overloaded.
- •Check for loose or corroded connections
- Check for properly wired system
- Check for a shorted circuit.
- •Check for proper variable resistor resistance to trailer.
- •Worn or defective magnet.
- Check brake adjustment.
- •Check for bent backing plate flange.
- Check for contaminated brake linings
- •Check brake system wiring.
- •Check for worn, damaged brake linings.
- Check for weak or broken brake shoe return spring.
- •Check for defective or worn brake drums.
- Check for loose axle.
- •Check that correct controller is installed.
- •Improper controller installed position.

GRABBING OR LOCKING BRAKES

- ·Check for improperly installed flanges.
- Check for contaminated brake linings.
- •Check for weak or broken brake shoe return spring.
- •Check for out-of-round brake drums.
- •Check variable resistor.
- •Ensure a variable resistor is installed (if necessary).
- •Check that correct controller is installed.
- Check for defective controller.
- •Rust on armature plate or brake drum.
- •Check for loose/ worn wheel bearings.
- •Improper controller installed position.

- Bale Cortrol System

Troubleshooting Guide

for Hydraulic Brakes

DRAGGING

- Check brake adjustment.
- **BRAKE**
- Check for malfunctioning master cylinder.
- · Check for improperly installed flange.
- Check for corroded brake assembly.
- Improper weight on tow bar.

NOISY BRAKES

- · Check brake adjustment.
- · Check for worn brake shoes.
- · Check for contaminated brake linings.
- Check for loose parts in drum.
- Check for bent backing plate.
- Check wheel bearing adjustment.
- · Check for damaged wheel bearing.

LOCKING BRAKES

- Check for under adjustment of brakes.
- Look for broken or loose brake parts.Drums are damaged or out of round.

NO BRAKES

- · Insufficient brake fluid.
- · Broken brake line.
- Loose line connection.
- · Air in the brake lines.
- Master cylinder not functioning.
- Too much weight on tow bar.

WEAK BRAKES

- Trailer is overloaded.
- Not enough brakes on trailer.
- Improper brake adjustment.
- · Corroded brake parts.
- Worn brake cylinder.
- Incorrect brake shoe or lining.
- · Lining is glazed.
- · Grease on lining.
- Drum worn out.
- Air in brake lines.
- · Brakes are overheated.

SURGING BRAKES

- Drums are damaged or out of round.
- Shoe linings have grease or oil on them.

SWAYING OF TRAILER WHEN BRAKING

- Brake adjustment not proper.
- Tire air pressure not proper.
- Tires different on axle.
- · Shoe or linings not properly operating.
- Brake lines damaged.

PROPER BRAKE ADJUSTMENT

- 1. Jack trailer up and support with jack stands.
- The brake adjustment nut is located behind a slot at the bottom of the backing plate. Tighten until you cannot rotate wheel by hand. Note: always rotate wheel in direction of forward rotation only.
- 3. Back off the adjustment nut seven to ten notches.
- 4. Remove jack stands from trailer support.

PROPER BLEEDING OF THE BRAKE SYSTEM

- Use good hydraulic brake fluid. DOT-3 heavy duty fluid is recommended
- Fill master cylinder with fluid. Install bleeder hose on first wheel cylinder to be bled. If tandem trailer, bleed rear axle first. Have loose end of hose submerged in brake fluid in glass container to observe bubbling.
- 3. By loosening the bleeder screw located in the wheel cylinder one turn, the system is open to the atmosphere through the passage drilled in the screw. Push actuator with long steady strokes. The bleeding operation is completed when bubbles no longer rise to the surface of the fluid. Be sure to close bleeder screw securely.
- 4. Repeat bleeding operation at each wheel cylinder. During the bleeding process, replenish the brake fluid, so the level does not fall below the half full level in the master cylinder reservoir.
- 5. After bleeding is completed, make sure master cylinder is filled to 3/8" below the top of the reservoir and filler cap is installed.





