

INTERSTATE

TRAILERS, INC.

PARTS & SERVICE MANUAL



DLA & DLE SERIES TRAILERS

1101 HERITAGE PARKWAY · MANSFIELD, TX 76063 · 800-433-5384

INTERSTATE

TRAILERS, INC.

A note from Interstate Trailers to our valued dealers and customers.

The scope of this manual is to provide parts and service information for year model 1998 and newer TDL and APC large tilt series trailers. We have made our best effort to document the common replacement parts for these trailers. However, Interstate Trailers Inc. builds many custom trailers which may be equipped with parts and options not listed in this manual. Also, trailers older than model year 1998 have some differences and will require help from the factory staff to locate the correct parts. If you encounter such a situation please call our factory at 1-800-433-5384 between the hours of 8 a.m. to 5 p.m. standard time, M-F excluding holidays. Interstate Trailers recommends that you always have your VIN number (trailer serial) ready when calling a dealer or the factory to assist in locating the correct parts for your trailer. Interstate Trailers will make every effort to help find the correct replacement parts for your trailer and will strive to make your ownership experience as trouble free as possible.

Contact Information

**Interstate Trailers Inc.
1101 Heritage parkway
Mansfield, TX 76063**

**1-800-433-5384 phone
817-453-2672 parts department fax
www.interstatetrailers.com web address**

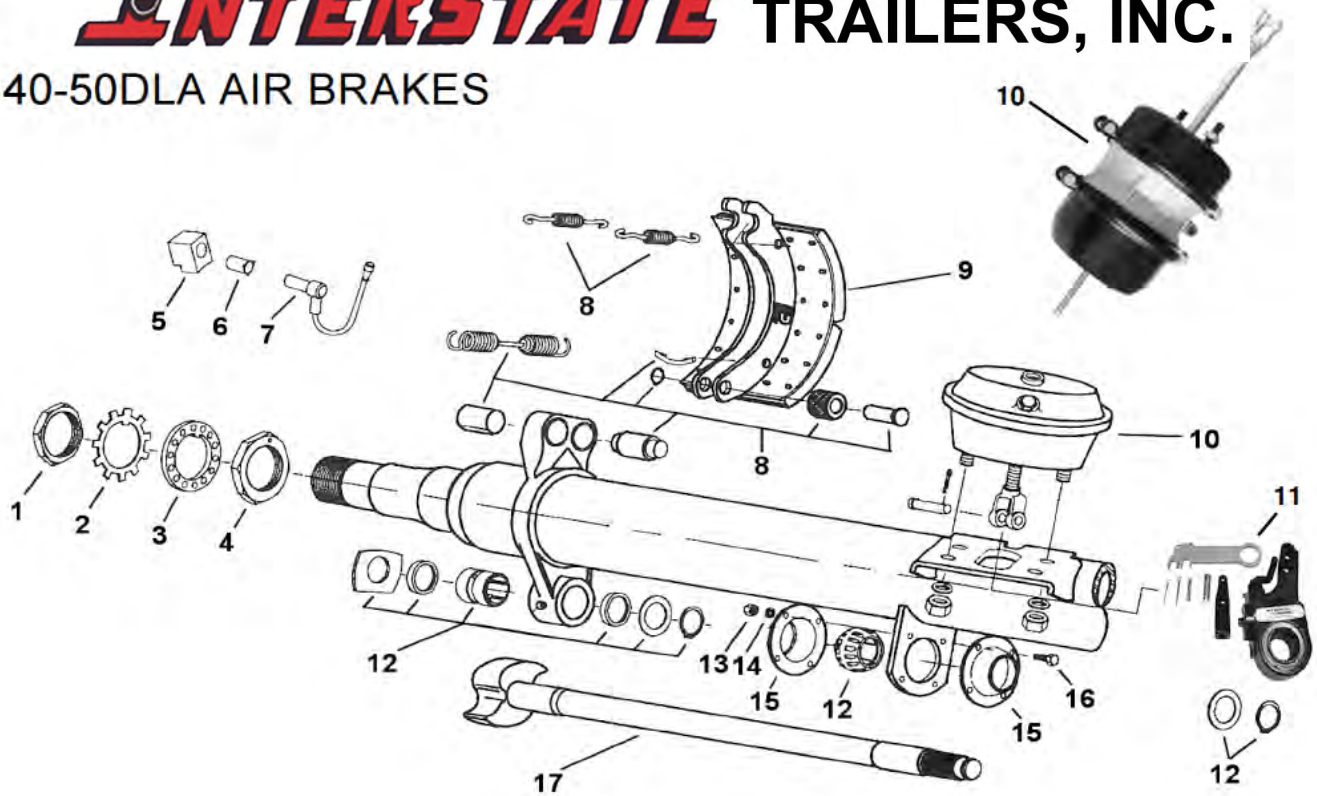
**Thank you!
The Interstate Trailers team.**

INTERSTATE TRAILERS, INC.

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INTERSTATE TRAILERS, INC.

40-50DLA AIR BRAKES



ITEM

DESCRIPTION

PART#

"Q " STYLE BRAKES

1	OUTER SPINDLE NUT	5344
2	TANG WASHER	5838
3	SPINDLE LOCK WASHER	5837
4	INNER SPINDLE NUT	5836
5	MOUNTING BLOCK, ABS SENSOR	7005
6	RETAINER CLIP, ABS SENSOR	7002
7	ABS SENSOR	7003
8	BRAKE SHOE HARDWARE KIT "PQ" STYLE	6235
8	BRAKE SHOE HARDWARE KIT "Q" STYLE	6235-11
8	BRAKE SHOE HARDWARE KIT "P" STYLE (PRE 1998)	6220
9	BRAKE SHOE SET "PQ" (2 SHOES W/HARDWARE)	5842-10
9	BRAKE SHOE SET "Q" (2 SHOES W/HARDWARE)	5842-11
9	BRAKE SHOE SET "P" (2 SHOES W/HARDWARE)	5842-12

*** NOTE: SEE BRAKE SHOE IDENTIFICATION OR CALL FACTORY WITH VIN# ***

10	AIR BRAKE CHAMBER	5205
10	<u>SPRING BRAKE AIR CHAMBER</u>	6299
11	SLACK ADJUSTER 5" & 6"	5207
11	SLACK ADJUSTER 5.5"	5207-5
11	SLACK ADJUSTER 5.5" & 6.5"	5207-6

*** NOTE: SLACK ADJUSTERS CAN EITHER BE MEASURED AND MATCHED TO ABOVE OR CALL FACTORY WITH VIN# ***

12	S-CAM REPAIR KIT	6215
12	S-CAM REPAIR KIT	6215-3

*** NOTE: 6215 USED UNTIL 2015, TRAILERS BUILT AFTER 2015 CALL FACTORY WITH VIN# OR MEASURE SLACK ADJUSTERS ***

*** 5207 SLACK ADJUSTER USES 6215 CAM KIT. 5207-5 & 5207-6 USES 6215-3 CAM KIT ***

13	NUT, CAMSHAFT RETAINER PLATE	6290
14	LOCKWASHER, CAMSHAFT RETAINER PLATE	6289
15	CAMSHAFT RETAINER PLATE	6288
16	BOLT, CAMSHAFT RETAINER PLATE	6287
17	S-CAM, 1.5" 28 SPLINE	CALL FACTORY



"PQ " STYLE BRAKES

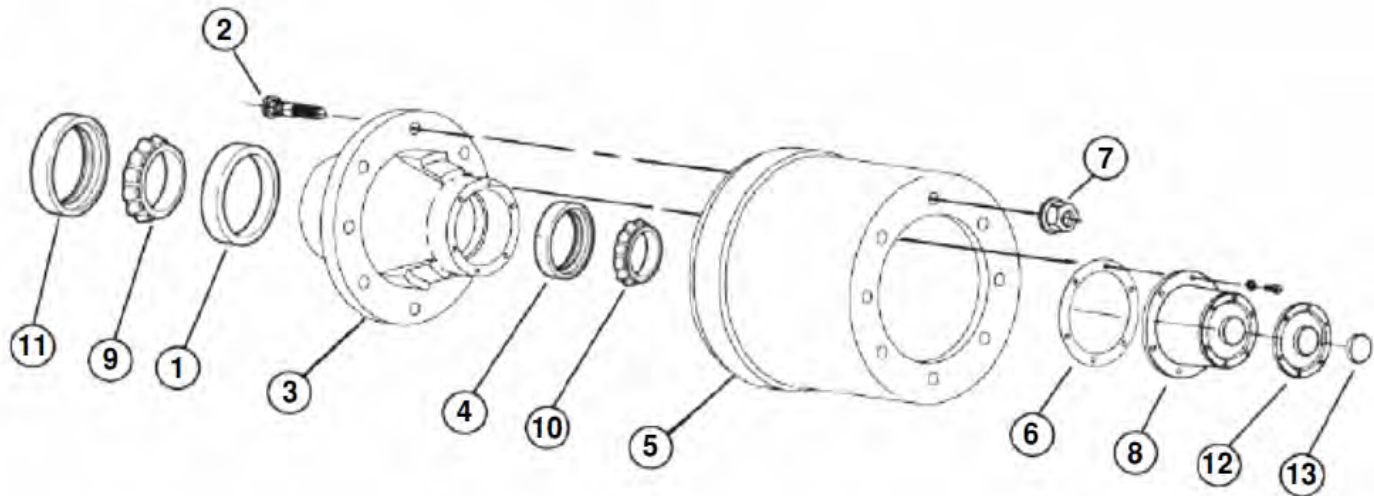


"P " STYLE BRAKES



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8 BOLT HUB PILOTED HUB AND DRUM

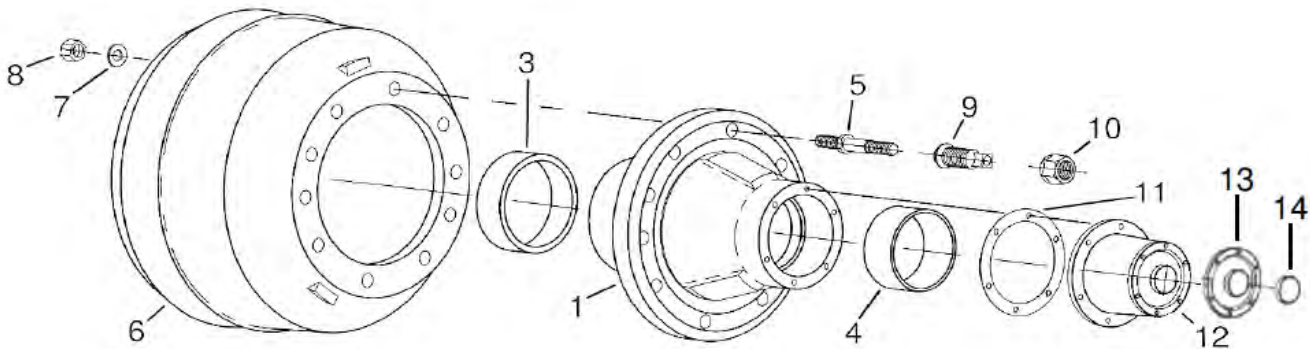


ITEM#	QTY PER HUB	DESCRIPTION	PART NUMBER
1	1	INNER BEARING CUP	5834
2	8	WHEEL STUD	7501
3	1	HUB, W/CUPS AND STUDS NON-ABS	7576
3	1	HUB, W/CUPS AND STUDS ABS	7577
4	1	OUTER BEARING CUP	5832
5	1	BRAKE DRUM, OUTBOARD MOUNTED	5535
6	1	OIL CAP GASKET	5157
7	8	FLANGED WHEEL NUT	7502
8	1	OIL CAP WITH GASKET	5831
9	1	INNER BEARING CONE	5835
10	1	OUTER BEARING CONE	5833
11	1	OIL SEAL	5824
11	1	OIL SEAL, HEAVY DUTY (TWO PIECE)	5824-1
12	1	WINDOW KIT, OIL CAP	8056
13	1	PLUG, OIL CAP	5826
*	1	OUTER BEARING SET (#4 & #10)	5833-1
*	1	INNER BEARING SET (#1 & #9)	5835-1

*ITEMS NOT SHOWN ON BREAKDOWN

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10 BOLT "BUDD" HUB AND DRUM

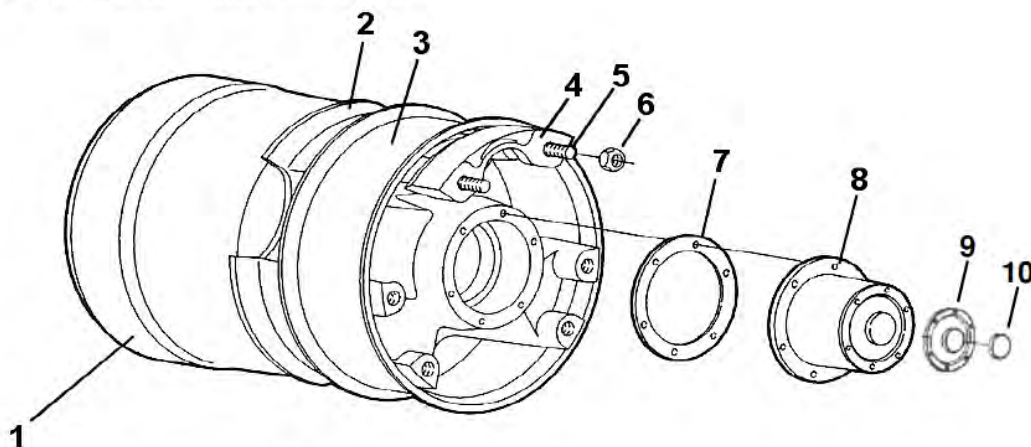


ITEM#	QTY PER HUB	DESCRIPTION	PART NUMBER
1	1	HUB, WITH CUPS AND STUDS (RIGHT)	5088-7
1	1	HUB, WITH CUPS AND STUDS (LEFT)	5088-8
3	1	INNER BEARING CUP	5834
4	1	OUTER BEARING CUP	5832
5	10	WHEEL STUD R/H	5537
5	10	WHEEL STUD L/H	5700
6	1	BRAKE DRUM, INBOARD MOUNTED	5534
7	10	DRUM MOUNTING WASHER	5349
8	10	DRUM MOUNTING NUT	5348
9	10	INNER LUGNUT R/H	5226
9	10	INNER LUGNUT L/H	5227
10	10	OUTER LUGNUT R/H	5228
10	19	OUTER LUGNUT L/H	5229
11	1	OIL CAP GASKET	5157
12	1	OIL CAP, WITH GASKET & FILL PLUG	5831
13	1	WINDOW KIT, OIL CAP	8056
14	1	PLUG, OIL CAP	5826
*	1	INNER BEARING CONE	5835
*	1	OUTER BEARING CONE	5833
*	1	OIL SEAL	5824
*	1	OIL SEAL HEAVY DUTY (2 PIECE)	5824-1
*	1	WINDOW KIT, OIL CAP	8056
*	1	OUTER BEARING SET	5833-1
*	1	INNER BEARING SET	5835-1
*	1	ABS RING (FOR HUB)	5088-9

*ITEMS NOT SHOWN ON BREAKDOWN

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3-SPOKE HUB AND DRUM



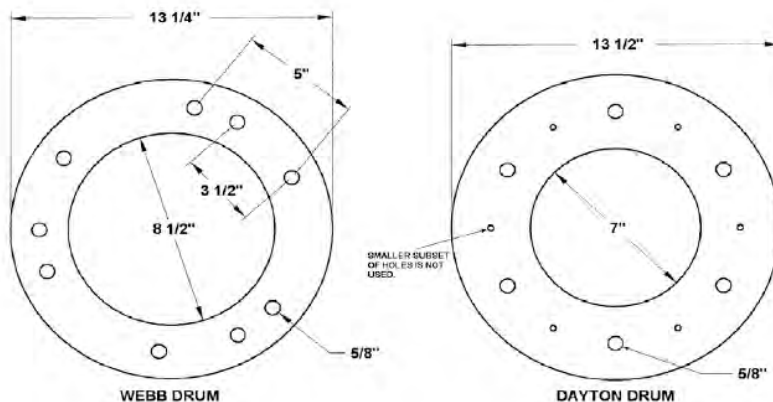
ITEM#	QTY PER HUB	DESCRIPTION	PART NUMBER
1	1	DRUM, "WEBB" PATTERN SEE NOTES BELOW	5083-1
1	1	DRUM, "DAYTON" PATTERN SEE NOTES BELOW	5083-2
2	1	HUB & DRUM COMBO, "WEBB" STYLE	5083-5
3	1	SPACER RING	5346
4	3	CLAMP WEDGE FOR "WEBB" HUB	5045
5	6	CLAMP WEDGE STUD FOR "WEBB" HUB	5087
6	6	CLAMP WEDGE NUT FOR "WEBB" HUB	5224
7	1	OIL CAP GASKET	5157
8	1	OIL CAP, WITH GASKET & FILL PLUG	5831
9	1	WINDOW KIT, OIL CAP	8056
10	1	PLUG, OIL CAP	5826
*	1	INNER BEARING CONE	5835
*	1	OUTER BEARING CONE	5833
*	1	INNER BEARING CUP	5834
*	1	OUTER BEARING CUP	5832
*	1	OIL SEAL	5824
*	1	OIL SEAL HEAVY DUTY (2 PIECE)	5824-1
*	1	WINDOW KIT, OIL CAP	8056
*	1	OUTER BEARING SET	5833-1
*	1	INNER BEARING SET	5835-1

DUE TO SUPPLY ISSUES INTERSTATE TRAILERS EQUIPPED WITH THE 3-SPOKE HUB/WHEEL DESIGN HAVE BEEN BUILT WITH TWO DIFFERENT PATTERN HUBS, THE "DAYTON" AND "WEBB" PATTERNS MENTIONED ABOVE.

THE END USER OF THE TRAILER MUST USE THE IDENTIFIER DIAGRAM ON THE NEXT PAGE OF THE PARTS MANUAL TO SELECT WHICH PATTERN IS FITTED TO THEIR TRAILER. REPLACEMENT DRUMS ARE CURRENTLY AVAILABLE FOR BOTH PATTERNS AS OF THE THE WRITING OF THIS MANUAL (04/2006). HOWEVER, REPLACEMENT HUBS AND SERVICE PARTS FOR THE HUB SUCH AS CLAMP WEDGES, STUDS, AND NUTS ARE ONLY AVAILABLE IN THE "WEBB" PATTERN.

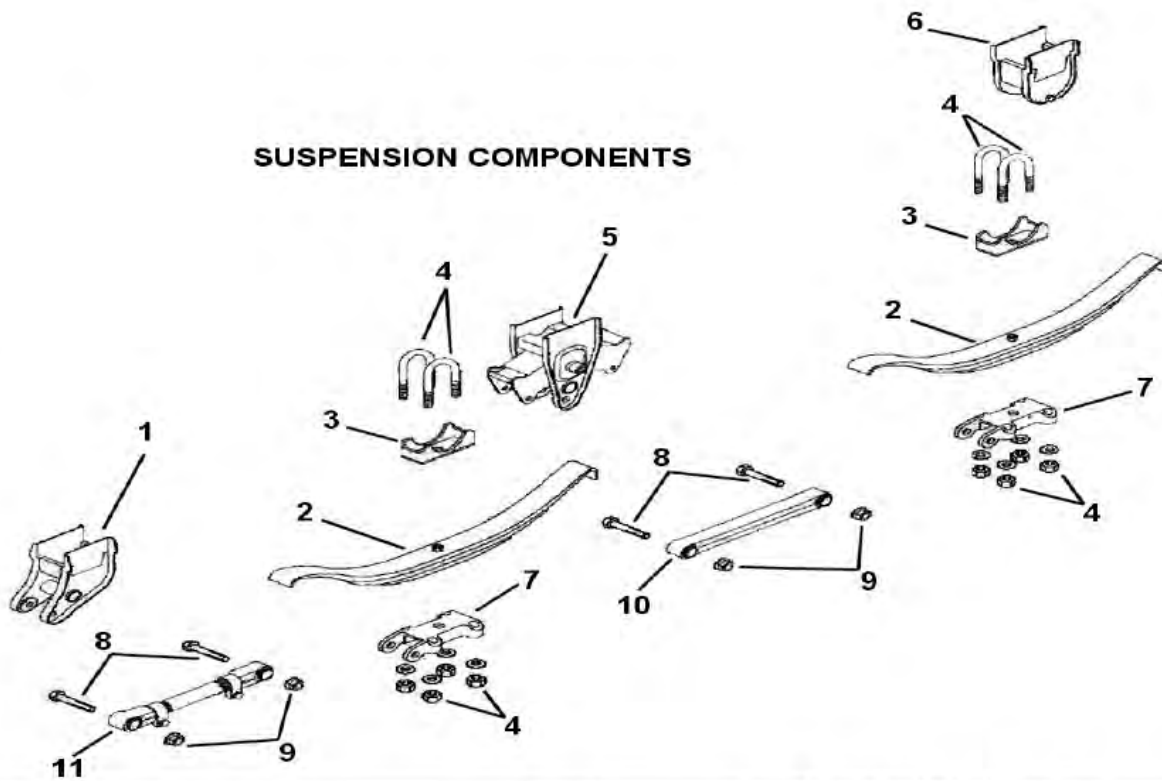
*ITEMS NOT SHOWN ON BREAKDOWN

3 SPOKE WHEEL DRUM IDENTIFICATION INFORMATION

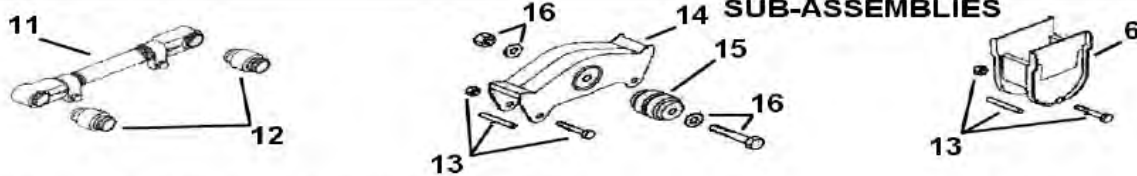


40-50DLA STANDARD MULTI-POINT SUSPENSION

SUSPENSION COMPONENTS



SUB-ASSEMBLIES



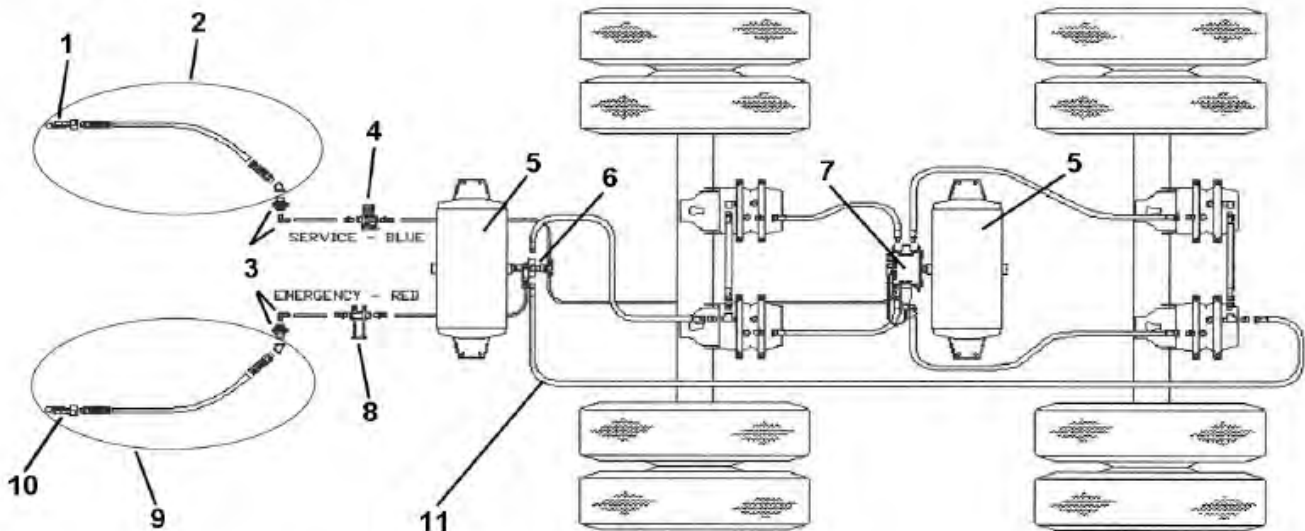
ITEM#	*QTY PER TRAILER	DESCRIPTION	PART NUMBER
1	2	FRONT HANGER	5116
2	4	3-LEAF SPRING	5136
3	4	AXLE SEAT	5127
4	8	U-BOLT WITH NUTS AND WASHERS	5129
5	2	CENTER HANGER WITH EQUALIZER	5114
6	2	REAR HANGER	5117
7	4	BOTTOM PLATE	5128
8	8	TORQUE ARM BOLT	5133
9	8	TORQUE ARM NUT	5134
10	2	FIXED TORQUE ARM	5132
11	2	ADJUSTABLE TORQUE ARM	5131
12	8	TORQUE ARM BUSHING	5132-1
13	6	REBOUND BOLT WITH SLEEVE AND NUT	5125-3
14	2	EQUALIZER WITH BUSHING	5125
15	2	EQUALIZER BUSHING	5125-2
16	2	EQUALIZER BOLT KIT	5125-1
	1	COMPLETE 40DLA SUSPENSION KIT	5204-1
	1	C COMPLETE 50DLA SUSPENSION KIT	5204-2
*	2	HANGER SUPPORT TUBE	5110
*	2	HANGER SUPPORT TUBE REPAIR BAR	5110-1

***LISTED QUANTITIES ARE FOR A STANDARD 40DLA . IF YOUR SUSPENSION DIFFERS FROM DIAGRAM CALL FACTORY FOR FURTHER INFORMATION**

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40DLA AIR SYSTEM

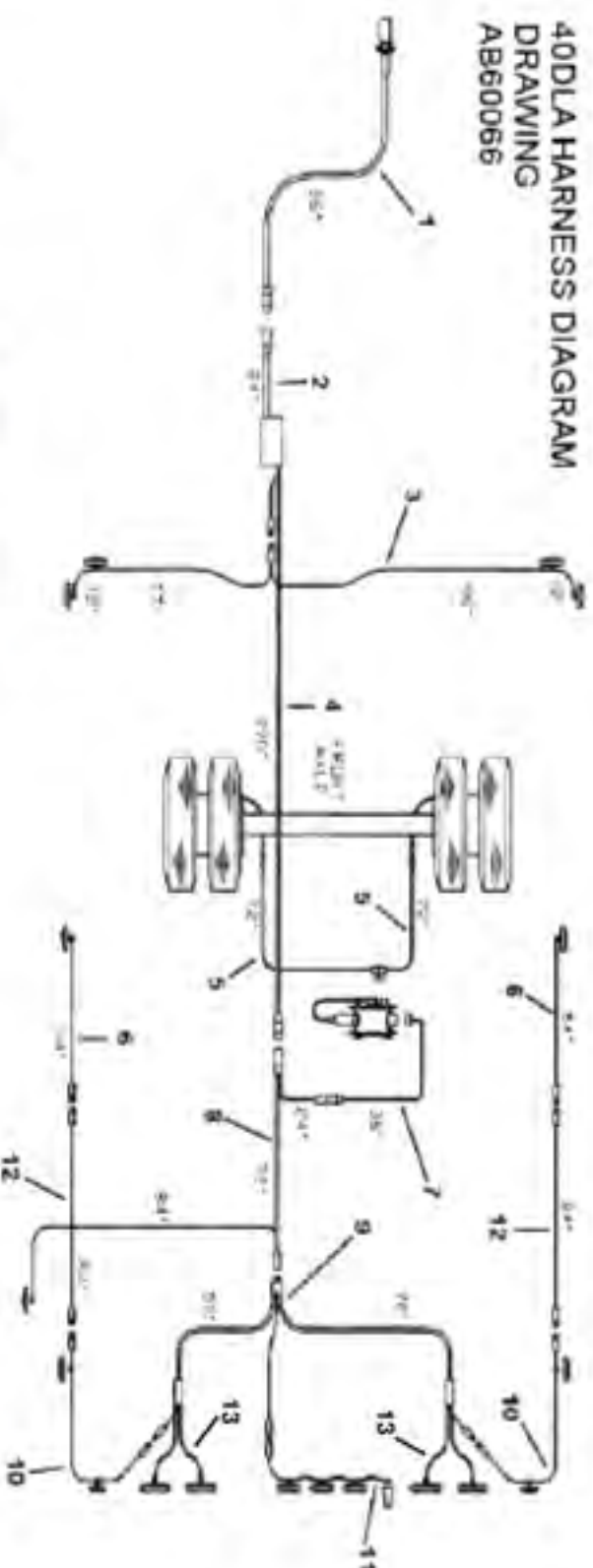


ITEM#	QTY PER TRAILER	DESCRIPTION	PART NUMBER
1	1	SERVICE GLADHAND	5361
2	1	SERVICE AIR HOSE ASM. W/GLADHAND & FITTINGS	5686
3	2	BULKHEAD FITTING AND ELBOW FITTING	5359
4	1	SERVICE AIR FILTER	5331-1
5	2	AIR TANK	5354
6	1	SPRING BRAKE CONTROL VALVE	5353-1
7	1	ABS VALVE/MODULE ASSEMBLY	5353-2
8	1	EMERGENCY AIR FILTER	5331
9	1	EMERGENCY AIR HOSE ASM. W/GLADHAND & FITTINGS	5687
10	1	EMERGENCY GLADHAND	5360
11		AIR HOSE, VARIOUS SIZES -CALL FACTORY	
12	4	SPRING BRAKE CHAMBER 30/30	6299

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40DLA HARNESS DIAGRAM

40DLA HARNESS DIAGRAM DRAWING AB60066



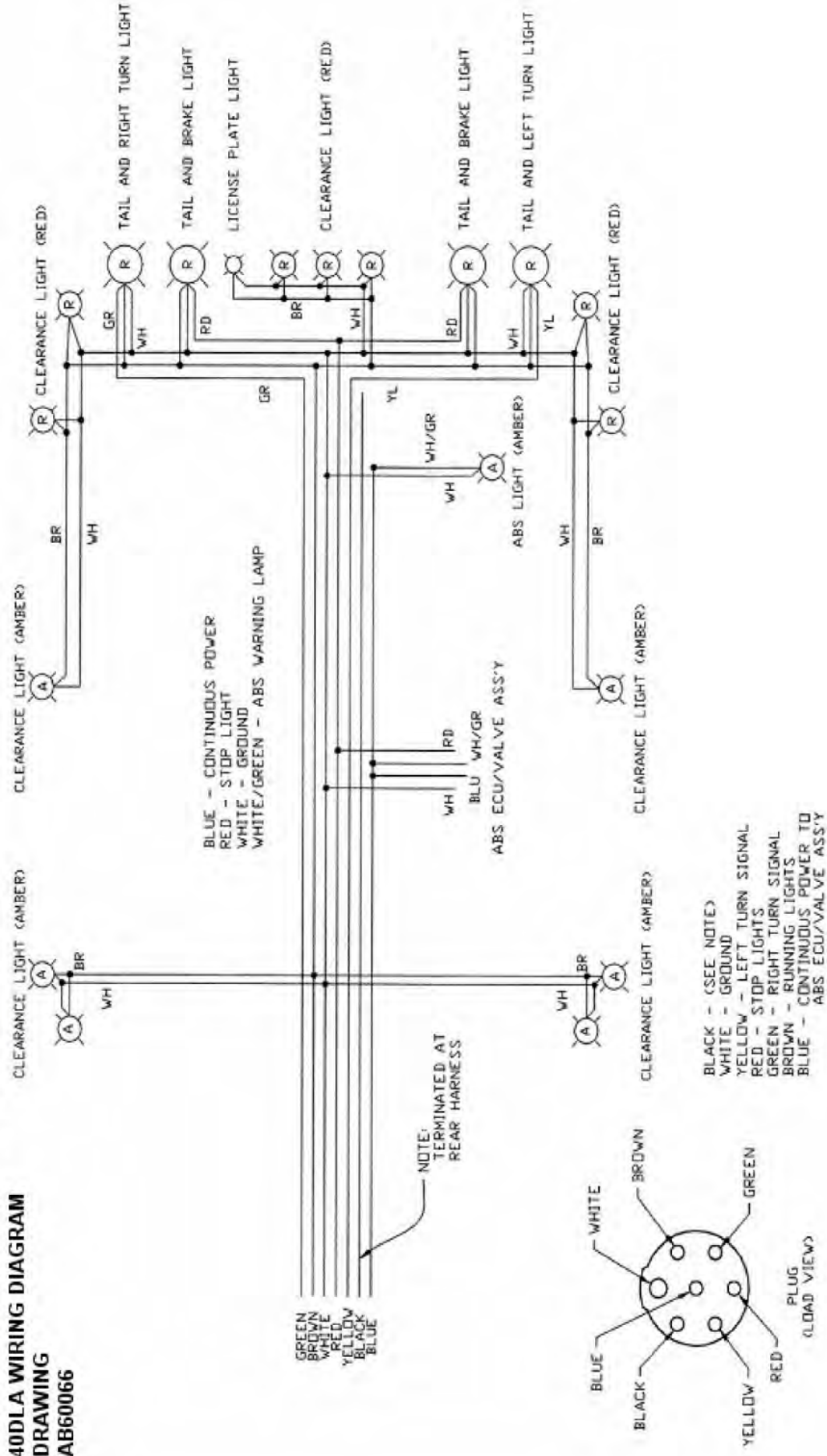
ITEM#	QTY PER TRAILER	DESCRIPTION	PART NUMBER
1	1	NOSE HARNESS 7-WAY RV STYLE	0102-5
1	1	NOSE HARNESS 7-WAY STANDARD	0102-2
1	1	NOSE HARNESS 6-WAY OPTIONAL	0102-4
2	1	JUNCTION BOX LEAD OUT HARNESS	5990-1
3	1	FRONT MARKER LIGHT HARNESS	108
4	1	MAIN HARNESS, WITH JUNCTION BOX	0101-3
5	2	72" ABS SENSOR EXTENSION HARNESS	0100-2
6	2	CENTER MARKER HARNESS	145
7	1	ABS ECU POWER WIRE	0100-5
8	1	ABS MAIN HARNESS	0100-3
9	2	REAR HARNESS (INCLUDES ITEM 9, 10, 11 & 13)	0104-1
10	2	CORNER MARKER HARNESS	0122-2
11	1	REAR CENTER MARKER HARNESS	0126-2
12	2	MARKER HARNESS EXTENSION	146
13	2	TAIL/MARKER LIGHT HARNESS	122
1	1	COMPLETE DLA WIRING HARNESS	1108

4/2006

*

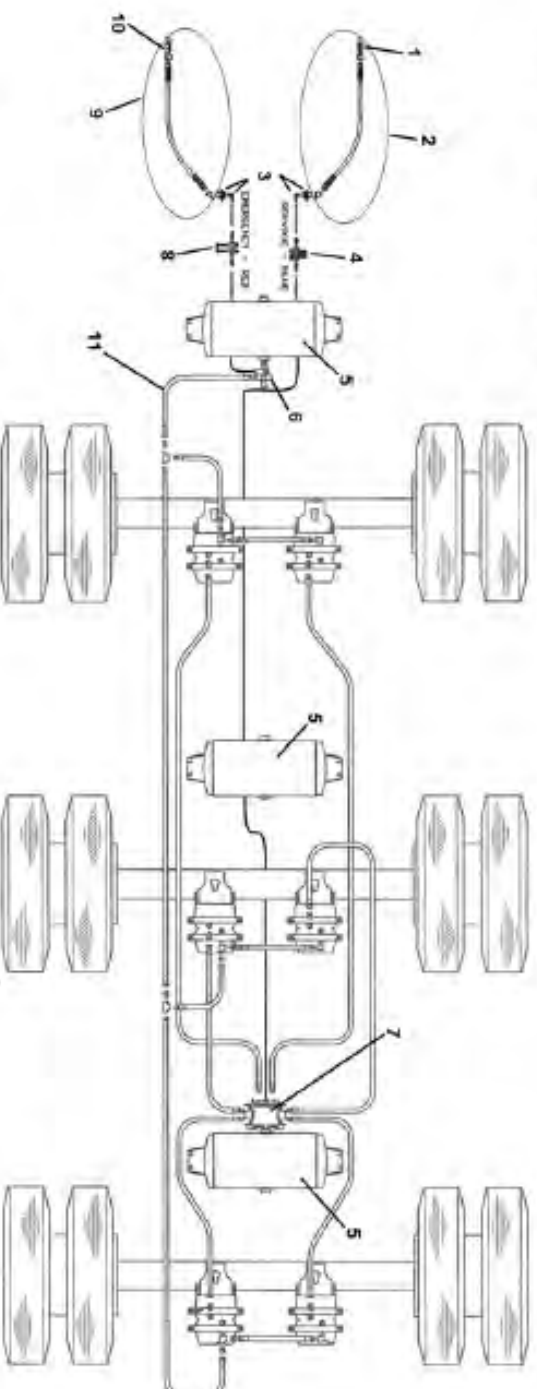
40DLA WIRING DIAGRAM

40DLA WIRING DIAGRAM
DRAWING
AB60066



INTERSTATE TRAILERS, INC.

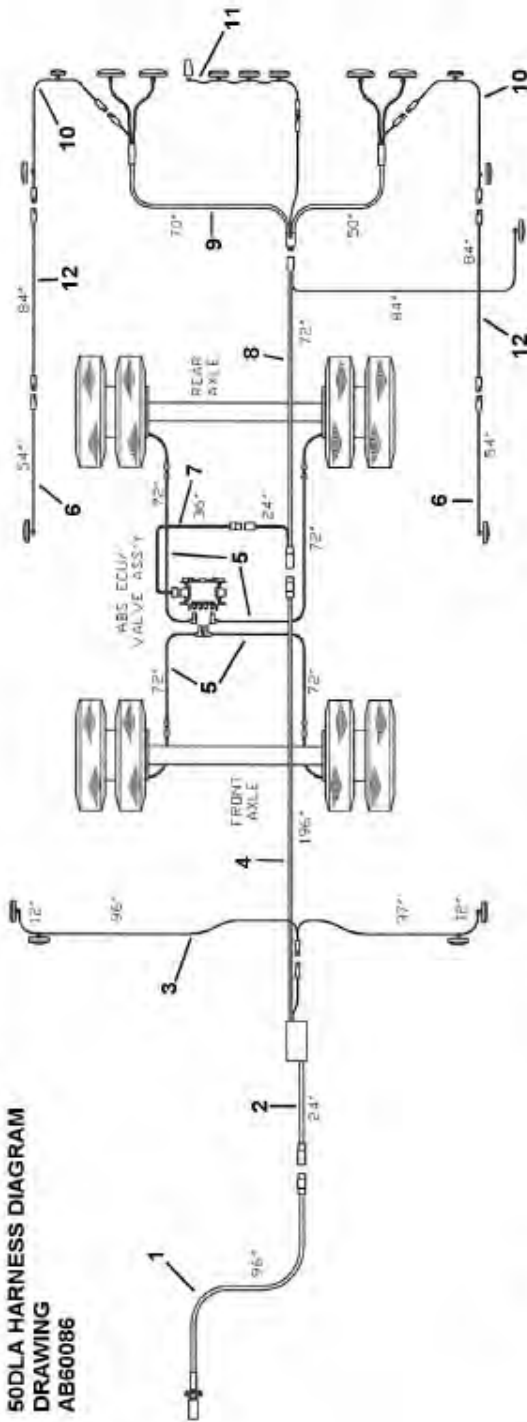
50DLA AIR SYSTEM



ITEM#	QTY PER TRAILER	DESCRIPTION	PART NUMBER
1	1	SERVICE GLADHAND	5361
2	1	SERVICE AIR HOSE ASM. W/GLADHAND & FITTINGS	5686
3	2	BULKHEAD FITTING AND ELBOW FITTING	5359
4	1	SERVICE AIR FILTER	5331-1
5	3	AIR TANK	5354
6	1	SPRING BRAKE CONTROL VALVE	5353-1
7	1	ABS VALVE/MODULE ASSEMBLY	5353-4
8	1	EMERGENCY AIR FILTER	5331
9	1	EMERGENCY AIR HOSE ASM. W/GLADHAND & FITTINGS	5687
10	1	EMERGENCY GLADHAND	5360
11		AIR HOSE, VARIOUS SIZES -CALL FACTORY	

50DLA HARNESS DIAGRAM

50DLA HARNESS DIAGRAM
DRAWING
AB60086



PART
NUMBER

DESCRIPTION

QTY PER
TRAILER

ITEM#

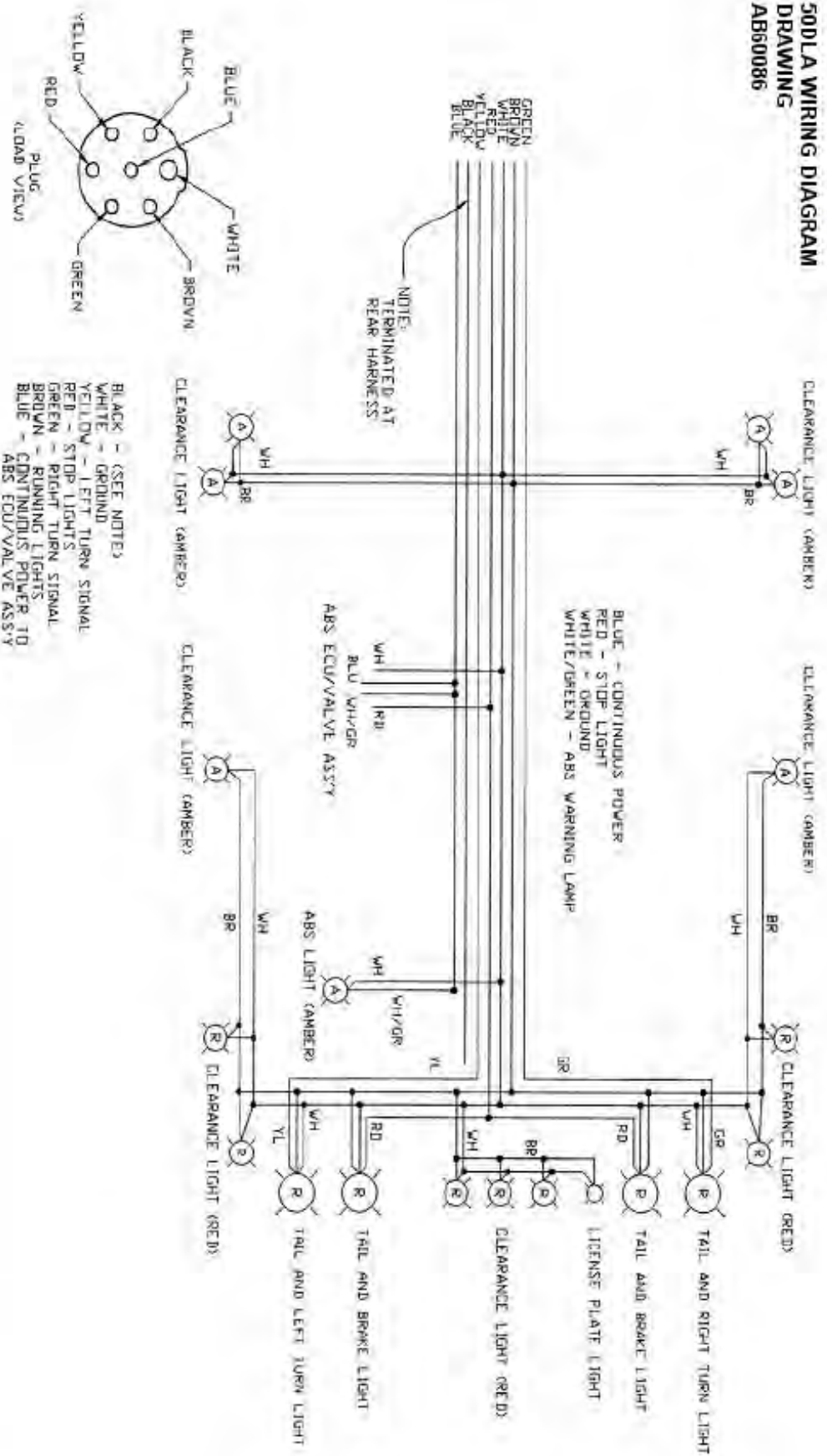
1	1	NOSE HARNESS 7-WAY STANDARD
1	1	NOSE HARNESS 6-WAY OPTIONAL
2	1	JUNCTION BOX LEAD OUT HARNESS
3	1	FRONT MARKER LIGHT HARNESS
4	1	MAIN HARNESS, WITH JUNCTION BOX
5	4	72" ABS SENSOR EXTENSION HARNESS
6	2	CENTER MARKER HARNESS
7	1	ABS ECU POWER WIRE
8	1	ABS MAIN HARNESS
9	1	REAR HARNESS (INCLUDES ITEM 9 AND 11)
10	2	CORNER MARKER HARNESS
11	1	REAR CENTER MARKER HARNESS
12	2	MARKER HARNESS EXTENSION

4.2006

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50DLA WIRING DIAGRAM

50DLA WIRING DIAGRAM
DRAWING
AB60086



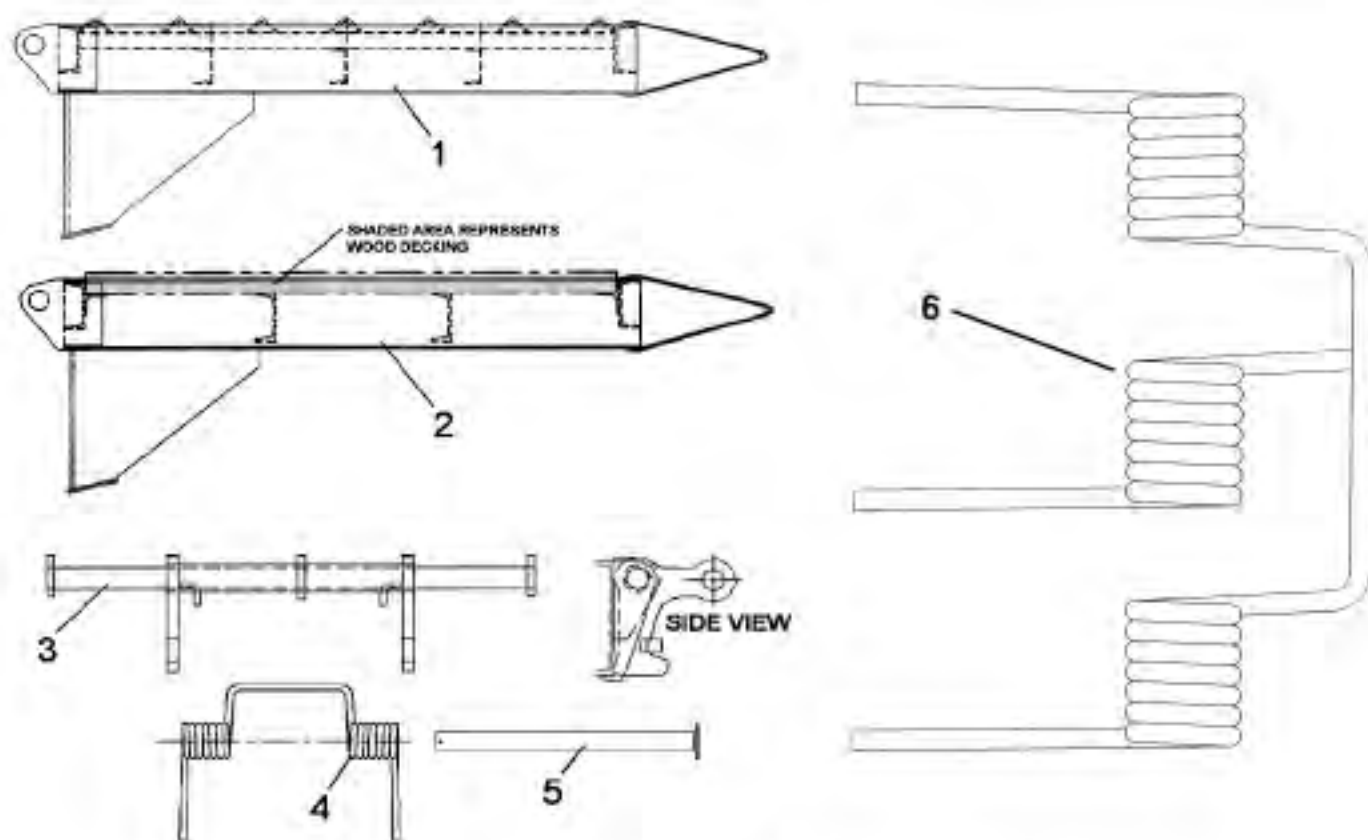
LIGHTING



ITEM#	DESCRIPTION	PART NUMBER
1	TAG LIGHT	7074
2	4" TAIL LIGHT MOUNTING GROMMET	7067
3	4" INCANDESCENT TAIL LIGHT	7068
4	2" INCANDESCENT MARKER LIGHT, RED	5170
4	2.5" INCANDESCENT MARKER LIGHT, RED	7070
4	2.5" INCANDESCENT MARKER LIGHT, AMBER	7071
5	2.5" MARKER LIGHT MOUNTING GROMMET	7069
6	4" L.E.D. TAIL LIGHT	7068-2
7	2" L.E.D. MARKER LIGHT, RED	5170-2
7	2.5" LED MARKER LIGHT, RED	7070-2
7	2.5" LED MARKER LIGHT, AMBER	7071-2
8	ABS LAMP MOUNTING BRACKET	7083
8	ABS BRACKET AND LIGHT COMBO	7083-1
1	LED TAG LIGHT (2019 & UP)	7074-5

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STANDARD RAMPS AND LINKAGE

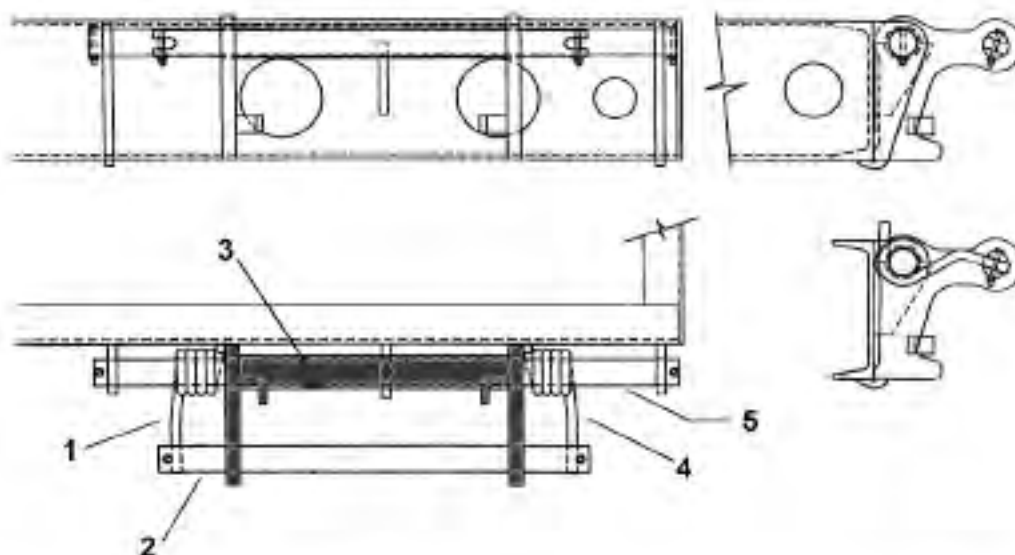


CALL ABOUT OUR HEAVY DUTY ALUMINUM RAMPS

ITEM#	DESCRIPTION	PART NUMBER
1	DLA RAMP, 60" WITH STEEL TRACTION PATH	7115-1
2	DLA RAMP, 60" WITH WOOD DECKING	7115
3	RAMP LINKAGE	4595
4	RAMP ASSIST SPRING, TWO COIL	4639
5	RAMP PIVOT PIN	4640-1
6	RAMP ASSIST SPRING, 3 COIL (FOR 6FT RAMPS)	4639-1

*THIS BREAKDOWN IS INTENDED TO PROVIDE GENERAL INFORMATION FOR THE RAMPS AND LINKAGES FOR STANDARD TRAILERS. THERE ARE MANY OTHER OPTIONAL RAMPS AND LINKAGE ARRANGEMENTS, IF YOURS DIFFERS FROM THE DRAWING PLEASE CALL THE FACTORY FOR MORE UNIT SPECIFIC INFORMATION.

TWO WAY SPRING ASSIST SYSTEM



ITEM#	QTY PER RAMP	DESCRIPTION	PART NUMBER
1	1	LEFT SIDE (OF LINKAGE) SPRING	4839-3
2	1	RAMP PIN, SINGLE GROOVE	4840-9
2	1	RAMP PIN, TWO GROOVES	4840-8
3	1	LINKAGE MID SECTION (SHADED)	4895-3
4	1	RIGHT SIDE (OF LINKAGE) SPRING	4839-4
5	1	RAMP PIN, CROSS DRILLED ON EACH END*	4823

*THIS PIN MUST BE MEASURED PRIOR TO ORDERING AS SOME TRAILERS HAVE DIFFERENT WIDTH LINKAGES.

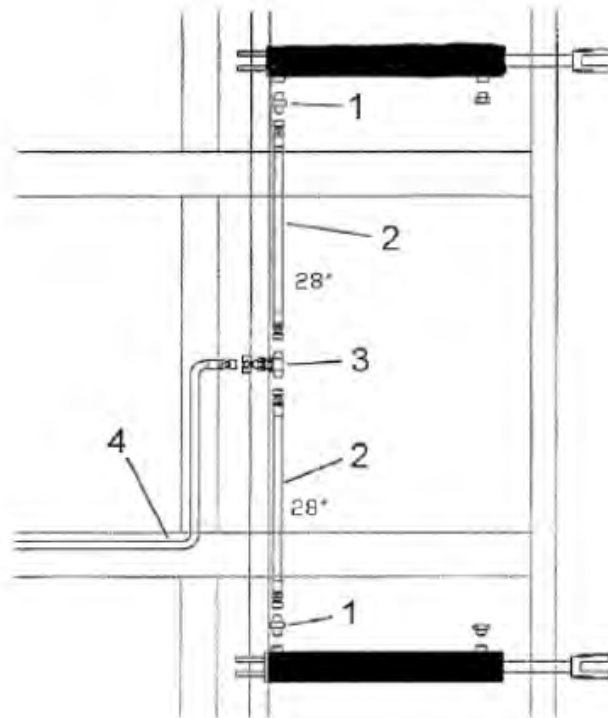
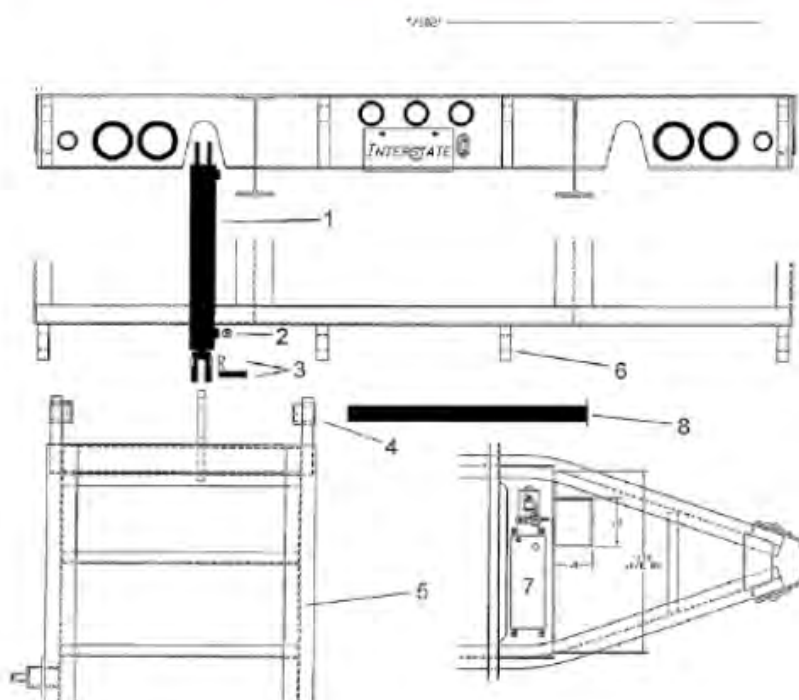
*THIS TWO WAY SPRING ASSIST BECAME AVAILABLE AS A FACTORY OPTION FOR THE 2005 MODEL YEAR, HOWEVER IT CAN BE RETRO FITTED TO OLDER TRAILERS. CALL FACTORY FOR DETAILS.



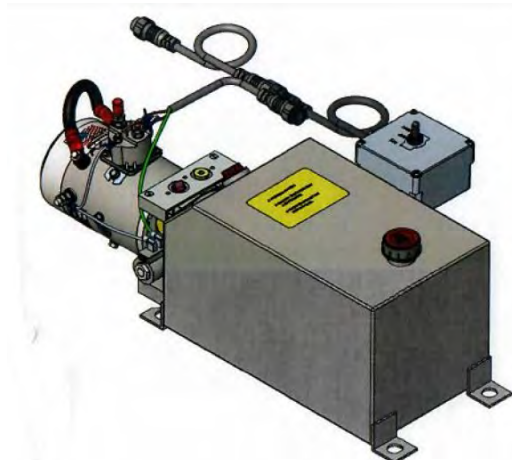
TRAILERS, INC.

HYDRAULIC RAMP PARTS

HYDRAULIC RAMP PLUMBING



HYDRAULIC PUMP ASSEMBLY
07/2016 & UP (STANDARD RAMPS)



HYDRAULIC PUMP ASSEMBLY
07/2016 & UP (BI-FOLD RAMPS)

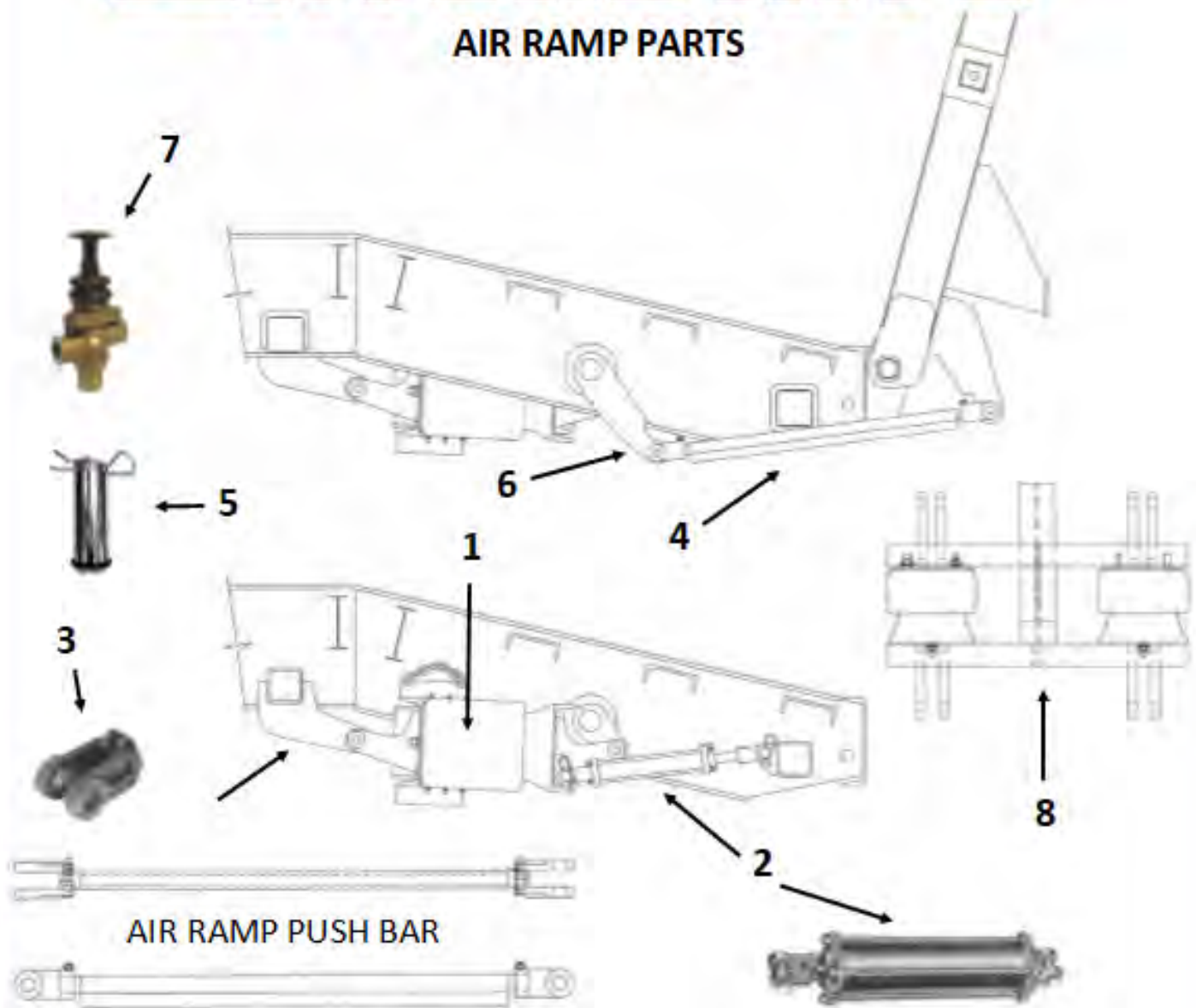


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<u>ITEM #</u>	<u>DESCRIPTION</u>	<u>PART#</u>
<u>HYDRAULIC RAMP PARTS</u>		
1	HYDRAULIC CYLINDER	4020
2	BREATHER, FOR CYLINDER	4020-1
3	CLEVIS PIN, CYLINDER	5252
4	RAMP PIVOT BUSHING	6083
5	RAMP - CALL FACTORY	
6	MOUNTING EAR, RAMP PIN	6082
7	HYDRAULIC POWER UNIT 07/2016 & UP	5038-0
7	HYDRAULIC POWER UNIT PRE 07/2016	5038
7	HYDRAULIC POWER UNIT (BIFOLD 2017 & UP	5039-0
7	HYDRAULIC POWER UNIT (BIFOLD PRE 2017	5039
(NOT SHOWN)	CYLINDER REBUILD KIT	4020-2
<u>HYDRAULIC RAMP PLUMBING</u>		
1	FITTING, HYDRAULIC CYLINDER	6084
2	HOSE, HYDAULIC (28")	6085
3	TEE FITTING, HYDRAULIC	6086
4	HOSE, VARIOUSE LENGTH (CALL FACTORY)	6087
<u>HYDRAULIC POWER UNIT PARTS</u>		
STANDARD RAMPS	SWITCH & BOX FOR PUMP	3779-0
STANDARD RAMPS	SWITCH & BOX FOR PUMP (PRE 07/2016)	3779
BI-FOLD RAMPS	SWITCH & BOX FOR PUMP	3779-1
BI-FOLD RAMPS	SWITCH & BOX FOR PUMP (PRE 07/2016)	3779-11
STANDARD OR BIFOLD	SOLENOID	5038-11
STANDARD OR BIFOLD	SOLENOID (PRE 07/2016)	5038-1
ALL POWER UNITS	BREATHER CAP	5038-2
STANDARD RAMPS ONLY	COIL	5038-33
STANDARD RAMPS ONLY	COIL (PRE 07/2016)	5038-3
STANDARD RAMPS ONLY	CARTRIDGE VALVE (UNDER COIL)	5038-44
STANDARD RAMPS ONLY	CARTRIDGE VALVE (UNDER COIL) PRE 07/2016	5038-4
STANDARD RAMPS ONLY,2016 & UP	HARNESS ADAPTER, PUMP SWITCH	3779-01
STANDARD RAMPS ONLY,2016 & UP	HARNESS EXTENSION, 25FT	3779-02
STANDARD RAMPS ONLY,2016 & UP	HARNESS EXTENSION, 15FT	3779-03

INTERSTATE

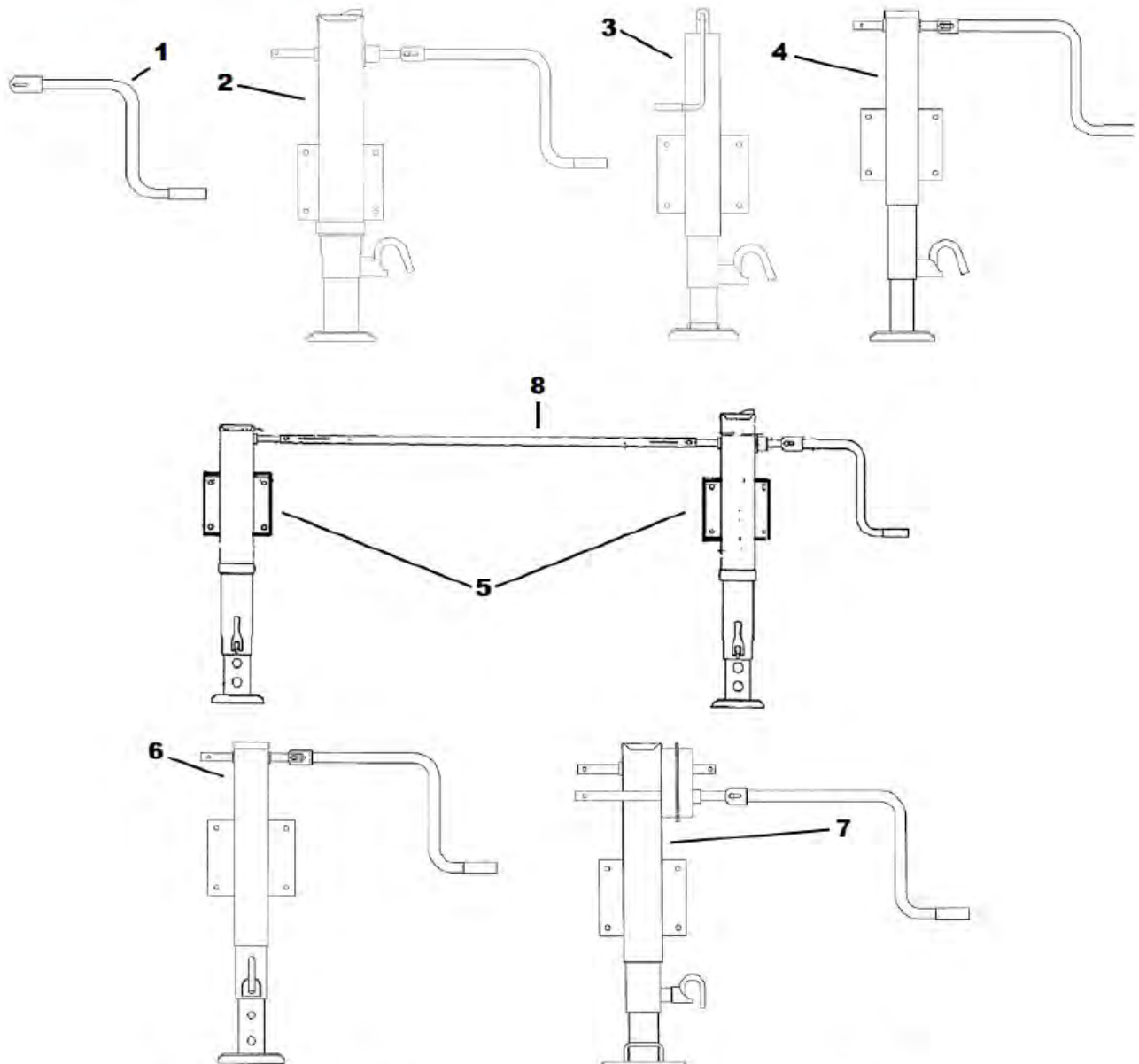
AIR RAMP PARTS



PART NUMBER	ITEM#	DESCRIPTION
9604-2	1	AIR BAG - AIR RAMP S
2510	2	CUSHIONING CYLINDER
5373	3	CLEVIS, FOR PUSH BAR
5373-1	4	PUSH BAR WITH CLEVIS & PINS
5252	5	CLEVIS PIN (PUSH ROD & CUSHION CYLINDER)
5373-2	6	ARM, PUSH ROD SUPPORT
5372	7	AIR VALVE, PUSH/PULL
6030	8	POWER UNIT ASSEMBLY

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LANDING GEAR

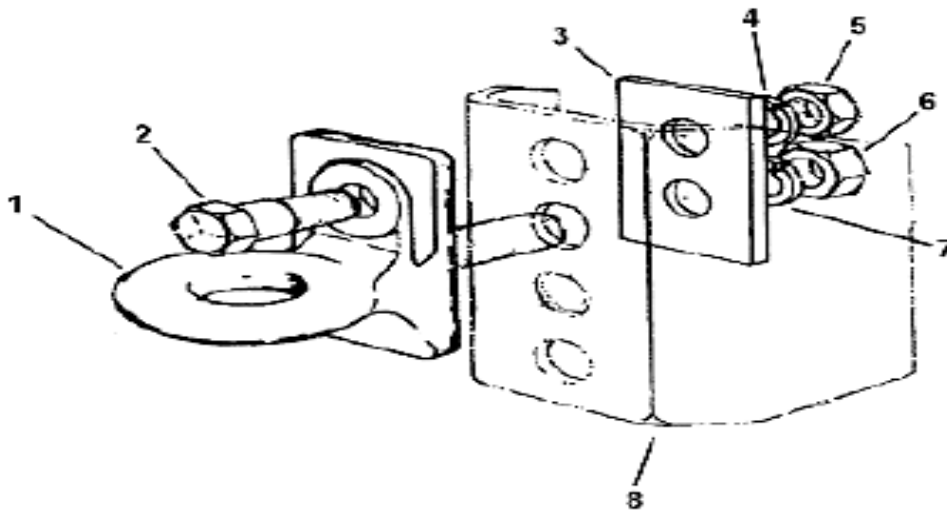


ITEM#	DESCRIPTION	PART NUMBER
1	JACK HANDLE, FITS ALL SIDEWIND JACKS	5648
2	TWO SPEED 25K JACK WITH DROP FOOT	7129
3	10K TOPWIND JACK WITH DROP FOOT	7114
4	12K SIDE WIND JACK WITH DROP FOOT	7130
5	25K TWO SPEED JACK SET INCLUDES BOTH JACKS, CROSS SHAFT, HANDLE, AND HEADBOARD MOUNTS	7125-1
6	12K JACK (FOR SINGLE SPEED DUAL JACK SET)	7125-8
7	25K JACK, 2-SPEED (HOLLAND)	7129-6
8	CROSS SHAFT, FOR DUAL JACK SET	7125-6
5	*GEAR SIDE JACK ONLY*	7129-10
5	*OFFSIDE JACK ONLY *	7129-5

HYDRAULIC & ELECTRIC JACKS AVAILABLE UPON REQUEST

INTERSTATE TRAILERS, INC.

HITCH AND NOSEPLATE



ITEM#	DESCRIPTION	PART NUMBER
1	PINTLE HITCH, NO HARDWARE	4751
1	PINTLE HITCH, WITH HARDWARE (2-7)	4791
2	HITCH BOLT	4734
3	HITCH BACKING PLATE	5258
4	1.5" LOCK WASHER	4731
5	1.5" NUT	4730
6	2" NUT	4752
7	2" LOCK WASHER	4756
8*	NOSE PLATE, WITH CHAIN ANCHORS (NOT SHOWN)	6125-2

*MUST SPECIFY TRAILER WIDTH (96" OR 102") OR PROVIDE TRAILER VIN# WHEN ORDERING.

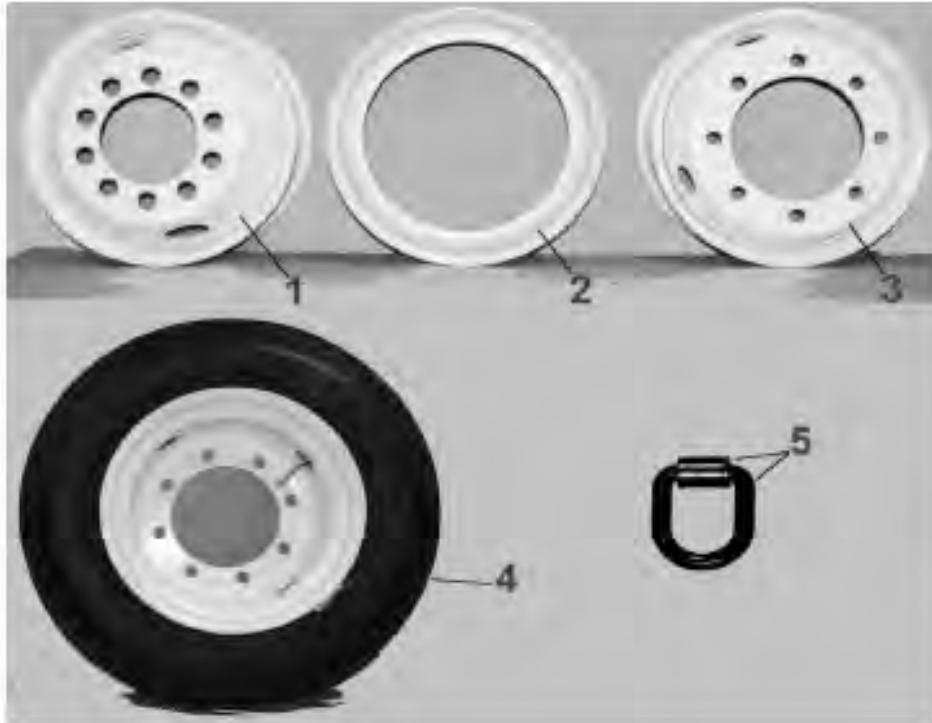
DECAL KIT



ITEM#	DESCRIPTION	PART NUMBER
1	DECAL KIT, ALL DLA SERIES TRAILERS *MUST PROVIDE SERIAL NUMBER AND COLOR OF TRAILER WHEN ORDERING.	6096-1

INTERSTATE TRAILERS, INC.

MISCELLANEOUS PARTS



ITEM#	DESCRIPTION	PART NUMBER
1	DUAL WHEEL, 17.5" 10 BOLT STUD PILOT	6140
2	DUAL WHEEL RIM, 17.5" FOR THREE SPOKE WHEEL	6139
3	DUAL WHEEL, 17.5" 8 BOLT HUB PILOT	7036
4	TIRE, 215/75R17.5 (TIRE ONLY).	6141
4	TIRE 235/75R17.5 (TIRE ONLY).	6161
4	TIRE AND WHEEL, 215/75R17.5 WITH 10 BOLT WHEEL	6140-1
4	TIRE AND WHEEL, 235/75R17.5 WITH 10 BOLT WHEEL	6140-3
4	TIRE AND WHEEL, 215/75R17.5 WITH SPOKE WHEEL	6139-1
4	TIRE AND WHEEL, 235/75R17.5 WITH SPOKE WHEEL	6139-2
4	TIRE AND WHEEL, 215/75R17.5 WITH HUB PILOT WHEEL	7036-2
4	TIRE AND WHEEL, 235/75R17.5 WITH HUB PILOT WHEEL	7036-1
5	D-RING WITH CLIP	4792
6	1/2" SAFETY HOOK GRADE 43	6849
7	1/2" SAFETY CHAIN WITH HOOK GRADE 43 (SILVER)	4739*
7	1/2" SAFETY CHAIN WITH HOOK GRADE 70 (GOLD)	4739-1*

*NOT SHOWN

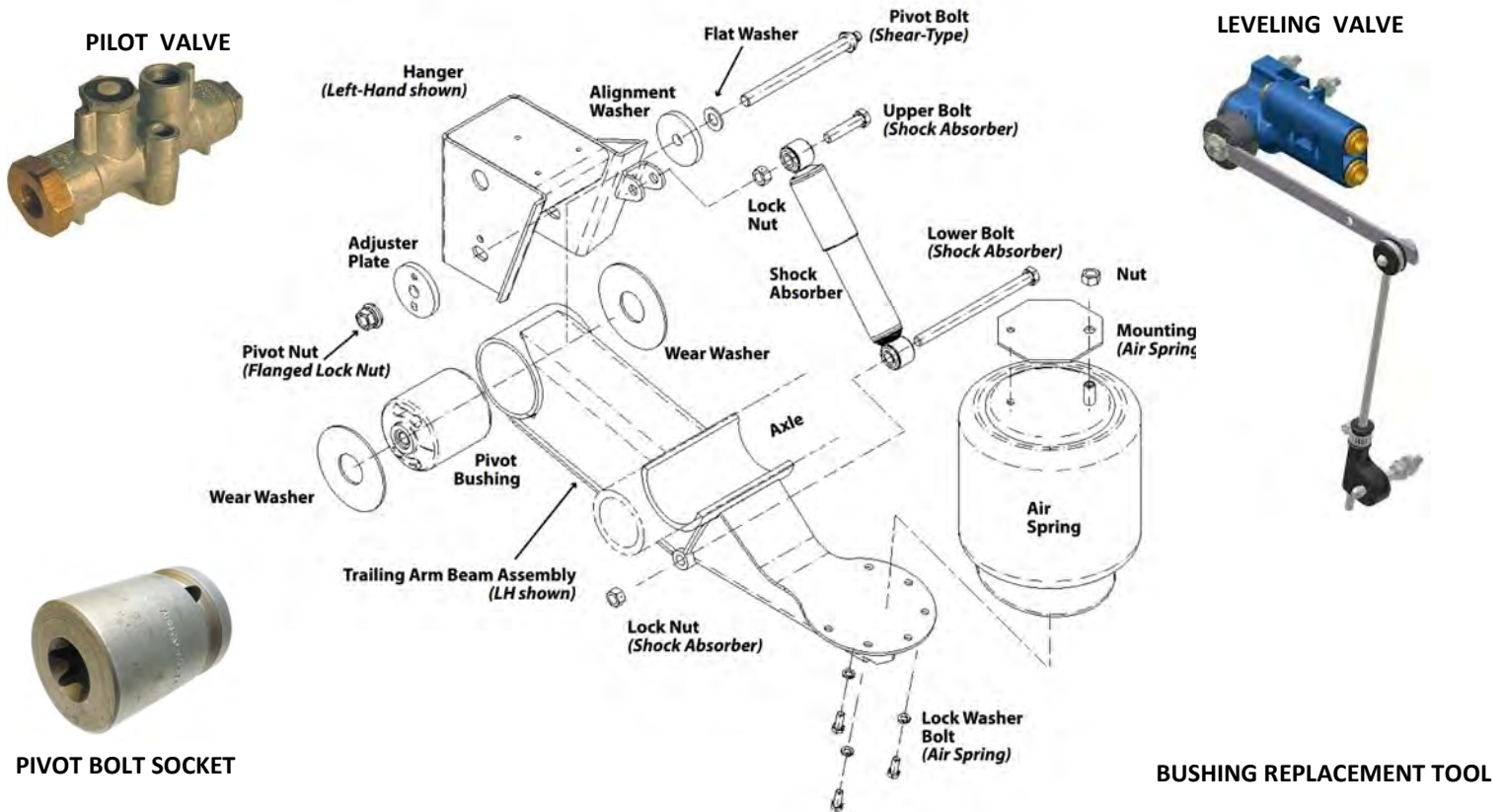
17.5" WHEEL SIMULATOR (SET OF 2)	7036-3
17.5" WHEEL SIMULATOR (EACH)	7036-4
17.5" 8 BOLT HUB PILOT POLISHED ALUMINUM RIM	7036-5

*PHOTO OF WHEEL AND TIRE ARE FOR ILLUSTRATION PURPOSES ONLY AND MAY APPEAR DIFFERENT THAN THE WHEEL AND TIRE ON YOUR TRAILER, GOLD COLOR GRADE 70 CHAINS AND HOOKS ARE USED ON 25 TON TRAILERS.

INTERSTATE TRAILERS, INC.

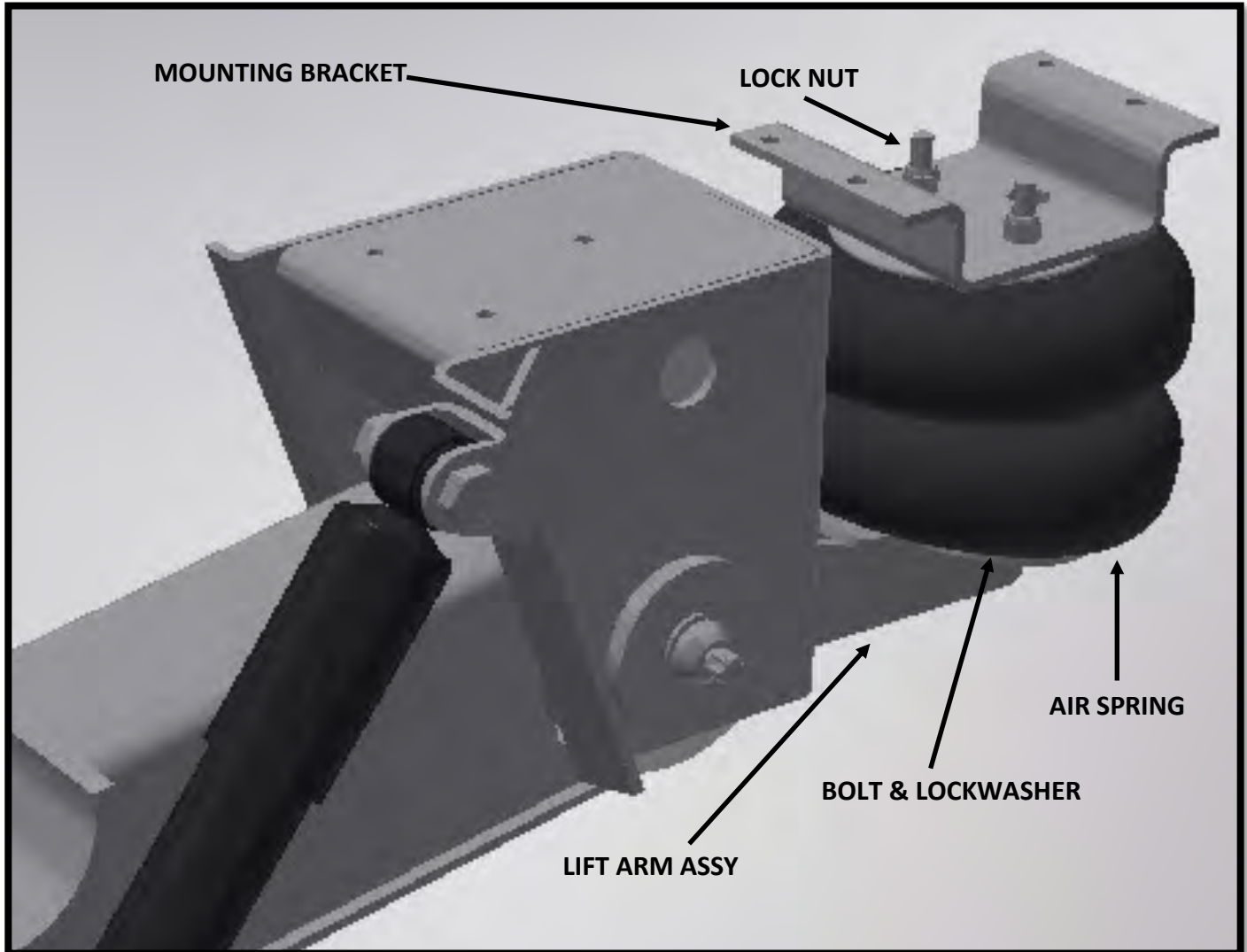
AIR RIDE SUSPENSION & LIFT AXLE PARTS

BUILT AFTER 06/2013



PART NUMBER	QTY PER AXLE	DESCRIPTION
9604-10	2	AIR SPRING
9604-77	1	BUSHING KIT
9607-7	2	PIVOLT BOLT, SHEAR TYPE
9604-91	2	LOWER BOLT, SHOCK ABSORBER
9604-101	8	BOLT, AIR SPRING
9604-92	2	UPPER BOLT, SHOCK ABSORBER
9604-9	4	LOCK NUT, SHOCK ABSORBER
7604-70	2	NUT, PIVOT BOLT
9604-102	2	NUT, AIR SPRING
9604-103	8	LOCK WASHER, AIR SPRING
9604-71	2	WASHER, PIVOT BOLT
9604-6	2	SHOCK ABSORBER
9604-50	1	HANGER ASSY, RH
9604-51	1	HANGER ASSY, LH
9604-52	1	TRAILING ARM BEAM ASSY, RH
9604-53	1	TRAILING ARM BEAM ASSY, LH
9604-78	2	ALIGNMENT WASHER
9604-79	2	ADJUSTER PLATE
9604-104	2	MOUNTING PLATE, AIR SPRING
9604-8	1	PIVOT BOLT SOCKET
9604-81	1	BUSHING REPLACEMENT TOOL
9604-66	2	SHOCK MOUNTING BRACKET
BUSHING KIT = 2 BUSHINGS, 4 WEAR WASHERS, 2 PIVOT BOLTS, 2 PIVOT NUTS & 2 PIVOT WASHERS		

INTERSTATE TRAILERS, INC.



MANUAL



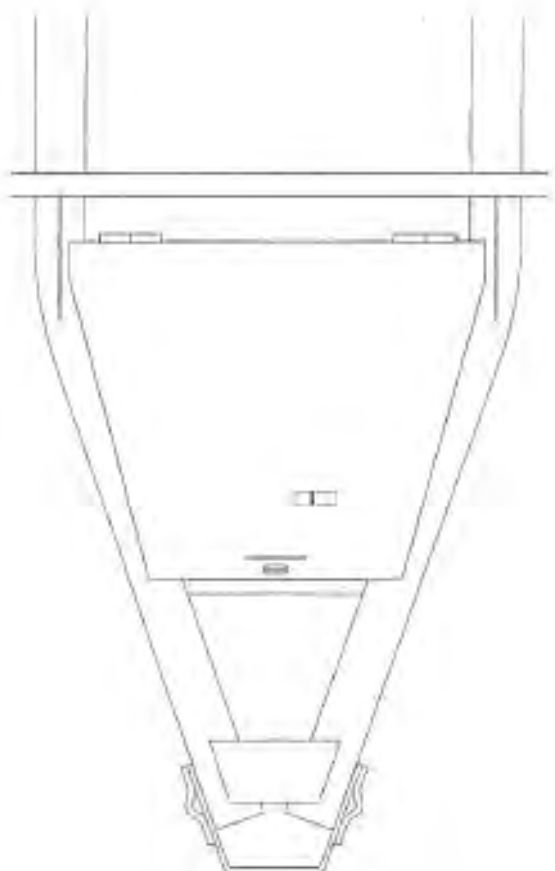
ELECTRIC

PART NUMBER	QTY	DESCRIPTION
9604-31	2	MOUNTING BRACKET, AIR BAG
9604-32	4	LOCK NUT
9604-3	2	AIR SPRING, LIFT AXLE
9604-33	4	BOLT
9604-34	4	LOCK WASHER
9604-44	2	LIFT ARM ASSY
9604-4	1	LIFT ARM KIT, COMPLETE
4556	1	CONTROL PANEL, MANUAL
4556-2	1	CONTOL PANEL, ELECTRIC (OPTIONAL)
4556-1	1	VALVE, UP/DOWN (IN PANEL)
4556-3	1	GAUGE, 0-150 PSI (IN PANEL)
1095	1	PRESSURE CONTROL VALVE (IN PANEL)
6558-1	1	PRESSURE PROTECTION VALVE, AIR TANK
4556-4	1	PRESET PRESSURE REGULATOR
4556-5	2	QUICK RELEASE VALVE, SQUARE
5372	1	VALVE, PUSH/PULL (DUMP BAGS)
3771-1	1	LEVELING VALVE KIT
4998	1	PILOT VALVE

INTERSTATE TRAILERS, INC.

TOOL BOX LID

UPRIGHT TIRE CARRIER
UNDER MOUNT TIRE CARRIER



ITEM#	QTY PER TRAILER	DESCRIPTION	PART NUMBER
		TOOL BOX LID (96 WIDE DLA)	6836
		TOOL BOX LID (102 WIDE DLA)	6837
		UPRIGHT TIRE CARRIER	6100-1
		UNDERMOUNT TIRE CARRIER	6100

INTERSTATE

TRAILERS, INC.

Trailer Operations Check List

Proper Loading Procedures:

1. Ensure that tow vehicle and trailer are on level ground.
2. Engage parking brake on tow vehicle. Place chock blocks in front of and behind trailer tires.
3. Check to see that hitch is properly secured to tow vehicle.
4. Raise landing gear and secure in travel position to avoid damage during loading.
5. Clear trailer deck of all debris and obstacles before loading.
6. Fold down loading ramps making sure that all personnel are clear of a dropping ramp or any pinch points. Ramps are extremely heavy and caution should be exercised at all times while raising and lowering.
7. Adjust loading ramps so that center of ramps line up with track centers of equipment being loaded.
8. Clear ramps of any debris such as mud, ice or snow that could cause loss of traction while loading.
9. Load equipment and position so that load is properly balanced both front to back and side to side. An improperly balanced load may cause abnormal tire wear, suspension damage or dangerous towing characteristics such as fishtailing.
10. Secure load per D.O.T. Federal Motor Carrier Safety Regulations 392.9, 393.100 and 393.102. If you have any questions, contact your local law enforcement or D.O.T. before towing.
11. Raise and secure loading ramps into travel position using the same precautions outlined in step 6 above.
12. Remove all chock blocks and store properly.
13. Make a final visual inspection of the tow vehicle, trailer and load for any abnormalities.

***** The above steps are to provide you with a basic guideline for safely loading your trailer. Common sense and extreme caution should always be exercised while applying these steps.

Pre-Trip Inspection:

1. Check and correct air pressure on all tires of the tow vehicle and trailer.
2. Make sure the wheel lug nuts/bolts on the trailer are tightened to the correct torque specifications. Failure to do so may result in wheel damage.

Page 2 of 2 – Trailer Operations Check List

3. Be sure the hitch, coupler, draw bar, and other equipment that connect the trailer and the tow vehicle are properly secured and adjusted. Trailer should run level when loaded.
4. Check that the wiring is properly connected - not touching the road, but loose enough to make turns without disconnecting or damaging the wires.
5. Make sure all running lights, brake lights, turn signals, and hazard lights are working.
6. Attach safety chains to tow vehicle, cross them if possible. Chains should be loose enough as not to bind while turning.
7. Verify that the brakes on the tow vehicle and trailer are operating correctly. Air lines should be secured in a manner which prevents chafing and pinching during travel.
8. Be sure the trailer jack, tongue support, and any attached stabilizers are raised and locked in place.
9. Check load distribution to make sure the tow vehicle and trailer are properly balanced front to back and side to side.
10. Inspect D-rings and clips before use - replace if cracked, worn, or deformed.
11. Check to ensure that all loads have been secured per D.O.T. Federal Motor Carrier Safety Regulations 392.9, 393.100 and 393.102. If you have any questions, contact your local law enforcement or D.O.T. before towing. **
12. While in transit, periodically stop to check load to ensure that securement devices such as chains, binders and straps are tight and load has not shifted.

** Requirements for securing loads differ from state to state. Please familiarize yourself with all state and local regulations before transporting any loads.

Weekly Inspections:

1. Inspect tow hitch for excessive wear. Replace when needed.
2. Check for proper tow hitch to noseplate connection. Tighten as needed.
3. Inspect wheels for cracks or deformities. Replace if needed.
4. Inspect suspension components for excessive wear, cracks or deformities. Replace or repair as needed.
5. Inspect trailer frame for cracks and deformities. Repair as needed.
6. Check tires for excessive or unusual wear. Unusual wear may indicate a suspension alignment or tire inflation problem. Repair or replace as needed.
7. Inspect decking for broken, rotted or missing boards. Replace as needed.

**** Information provided is a basic guideline for safe trailer operation and in no way supersedes Federal, State or Local regulations.

Hutch 9700 Alignment Procedure

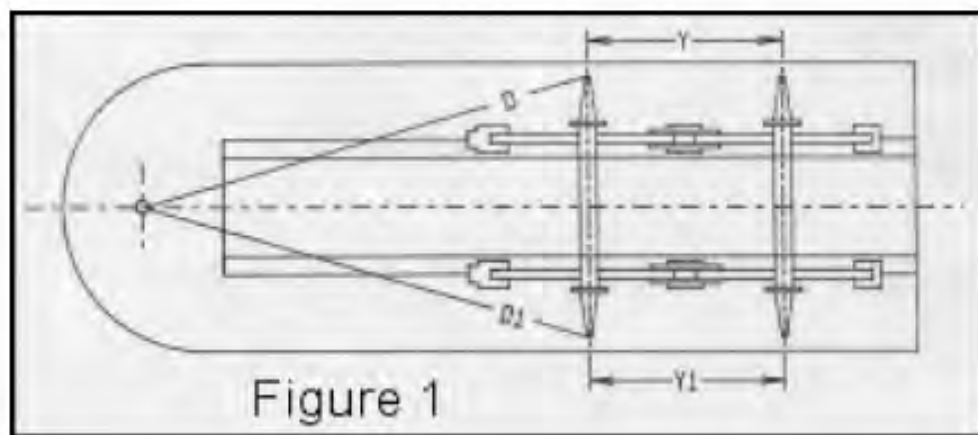
Your Hutch suspension is designed to require a minimum of service. The key to a successful service life, however, is a thorough inspection of the suspension after a short break-in period to make certain all nuts and bolts are properly torqued, and a regular periodic inspection thereafter. This is essential to assure continuous trouble free operation. The frequency of your preventative maintenance inspections depends upon your operation, such as: the terrain your trailers operate over, the mileage per month, etc.

Alignment

Before attempting alignment, make sure the trailer is not loaded. Be sure the suspension has not been placed in a "blind" by being jack-knifed into a bay or having gone through any other unusual maneuver. The suspension must be free and loose in order to obtain a true alignment.

To align, measure the distance from the king-pin / pintle eye to the centerline of the spindle on the front axle. If the dimensions "D" and "D1" (figure 1, below) are not the same, turn the adjustable torque arm screw until the two dimensions are the same. Next, align any succeeding axle from the front axle. Move the adjustable torque arm until "Y" and "Y1" (figure 1, below) are the same. When all axles are properly aligned, make sure all clamp bolts on adjustable torque arms are tightened to 85 foot pounds.

It is to be understood that all alignments are to be performed on smooth, level and flat surfaces with the trailer empty. True readings cannot be obtained if alignment is performed on loaded trailers in the street or on rough terrain.



Note to dealers:

All Interstate trailers come from the factory pre-aligned and should not require any adjustments prior to customer delivery.

INTERSTATE TRAILERS, INC.

MAINTENANCE SCHEDULE

TIRES	- CHECK DAILY - MAINTAIN 215/75 R 17.5 TIRES @ 125 PSI COLD.
WHEEL LUGS	- CHECK WEEKLY - TORQUE DEMOUNTABLE RIM CLAMP NUTS TO 210-260 FT. LBS. TORQUE INNER AND OUTER LUG NUTS ON 10 BOLT HUBS TO 450-500 FT. LBS. TORQUE FLANGED LUGNUTS ON HUB PILOT WHEELS TO 275-325 FT. LBS.
WHEEL BEARINGS	- CHECK OIL LEVEL DAILY. USE SAE 80W-90 API-GL-5 OIL
BRAKES	- SHOULD BE CHECKED FOR ADJUSTMENT MONTHLY. BRAKE LININGS SHOULD BE REPLACED WHEN LININGS ARE WORN TO RIVET HEADS (AIR) OR BACKING PLATE (ELECTRIC). DO NOT WEAR LININGS PAST RIVET HEADS OR INTO BACKING PLATE.
SUSPENSION	- THE HUTCHENS 9700 SUSPENSION DOES NOT REQUIRE LUBRICATION. THE SUSPENSION SHOULD BE INSPECTED FOR WEAR PERIODICALLY AND ANY WORN PARTS SHOULD BE REPLACED IMMEDIATELY.
TOW RING	- INSPECT FOR TIGHTNESS DAILY BEFORE USE. RING PLATE MUST BE TIGHT AGAINST NOSE PLATE TO PREVENT NOSE PLATE DEFORMATION. RING SHOULD BE INSPECTED DAILY AND REPLACED IF RING SHOWS EXCESSIVE WEAR. TO INSTALL RING ON TRAILER DETERMINE PROPER HEIGHT ACCORDING TO THE TOW VEHICLE WHICH WILL BE USED. INSTALL TOW RING WITH BOLT IN THE LOWER POSITION WHENEVER POSSIBLE. TIGHTEN NUTS ON BOLT AND STUD UNTIL BOTH LOCK WASHER ARE FULLY COMPRESSED. DO NOT USE WITH A TOW HITCH THAT IS EXCESSIVELY LOOSE OR ONE THAT BINDS WHEN TURNING.
LIGHTS	- CHECK PLUG FOR CONDITION AND TIGHTNESS OF TERMINALS. INSPECT ALL LIGHTS FOR PROPER OPERATION DAILY AND REPLACE BULBS AS NEEDED.
JACK(S)	- CHECK JACK DAILY FOR ANY PHYSICAL DAMAGE OR LACK OF OPERATION DUE TO RUST OR CORROSION. REPLACE IF SEVERELY RUSTED OR DAMAGED. CHECK MOUNTING BOLTS FOR TIGHTNESS AND BE SURE LOCKING HARDWARE IS USED.
SPECIAL NOTE ON PAINT	- IN AREAS WHERE DE-ICING CHEMICALS ARE USED BE SURE TO WASH TRAILER REGULARLY DURING WINTER MONTHS TO PREVENT DAMAGE FROM CORROSIVE DE-ICING AGENTS. INTERSTATE TRAILERS INC. WILL NOT HONOR PAINT WARRANTY CLAIMS IF DAMAGE IS DETERMINED TO BE CAUSED BY PROLONGED CONTACT WITH DE-ICING AGENTS.

WARNINGS

WARNING	- BE SURE TRAILER IS CONNECTED TO TOW VEHICLE WHEN LOADING AND UNLOADING MACHINERY. LOCK TRUCK BRAKES BEFORE LOADING AND UNLOADING
WARNING	- CHECK TIRE INFLATION DAILY
WARNING	- CHECK WHEEL LUGS WEEKLY
WARNING	- USE CAUTION WHEN RAISING OR LOWERING REAR RAMPS. DO NOT PLACE HANDS OR FEET UNDER RAMPS WHEN RAISING OR LOWERING!
WARNING	- TRAILER SHOULD BE LEVEL WHEN FULLY LOADED. ADJUST HITCH TO MAKE TRAILER LEVEL WHEN LOADED.

HUTCHENS RECOMMENDS THAT ALL NUTS AND BOLTS BE CHECKED TO INSURE THAT THE RECOMMENDED TORQUE VALUES ARE BEING MAINTAINED AFTER AN INITIAL BREAK IN PERIOD (APPROXIMATELY 1000 MILES) AND AT LEAST EVERY 4 MONTHS PERIODICALLY THEREAFTER.

 <p>PINTLE EYE LOCK PART# 5805-2</p>	 <p>FLOOR SCREWS PART#6202</p>	 <p>2X8 OAK DECKING PART# 6200</p>
 <p>50 TON PINTLE HOOK PART# 2354454</p>	 <p>DECK CLIP CLIP KIT PART# 4644 # 4644-1</p>	 <p>50 TON PINTLE HOOK PART# 2354454S</p>
 <p>RATCHET BINDER 1/2" PART# 4595 3/8" PART# 4594</p>	 <p>4"X30' WINCH STRAP PART# 0430</p>	 <p>SELF CONTAINED RATCHET STRAP 2" – PART# 9511-1</p>

INTERSTATE TRAILERS, INC. **ABS DIAGNOSTICS**

Blink Code Diagnostics

The Meritor WABCO Enhanced Easy-Stop Trailer ABS ECU detects any electrical fault in the trailer ABS. Each of the faults has a code. When a fault occurs, the ECU stores the code for that fault in the memory.

There are two kinds of faults: active and stored. Active faults are those currently existing in the system, such as a broken wire. Stored faults are faults that have occurred but do not presently exist. Active faults can be cleared only after repairs are completed. Stored faults can only be diagnosed with TOOLBOX Software or the Pro-Link 9000.

The ECU signals a malfunction by lighting both the internal and external indicator lamp when a fault exists. The external ABS indicator lamp is usually mounted on the left rear of the trailer, near the rear wheels.

There are two ways to obtain blink codes:

- Ignition Power Activation (recommended method)
- Diagnostic Tool

Although the ECU can store multiple faults in its memory, it only displays one blink code at a time. This is why it is important to recheck the blink codes after repairing a fault. If there are additional codes in the memory, they only blink after you have repaired the first fault.

Stored faults, clear all and end of line test modes are available with the TOOLBOX Software or the Pro-Link 9000.

Ignition Power Activation

Ignition Power Activation is the process of using the vehicle's ignition switch (or interrupting the power on the blue wire by some other means) to display blink codes on the trailer ABS indicator lamp located on the side of the trailer. This method is for constant power vehicles only.

To obtain blink codes using ignition power activation, perform the following procedure:

1. Turn the ignition switch on for no longer than 5 seconds. The ABS indicator lamp will be on.
2. Turn the ignition switch off. The ABS indicator lamp will go out.

3. Turn the ignition switch on. The ABS indicator lamp will then come on, then go out.
4. The blink code will be displayed three times by the ABS indicator lamp on the trailer.

NOTE: For ignition power activation, power is provided by the ignition switch.

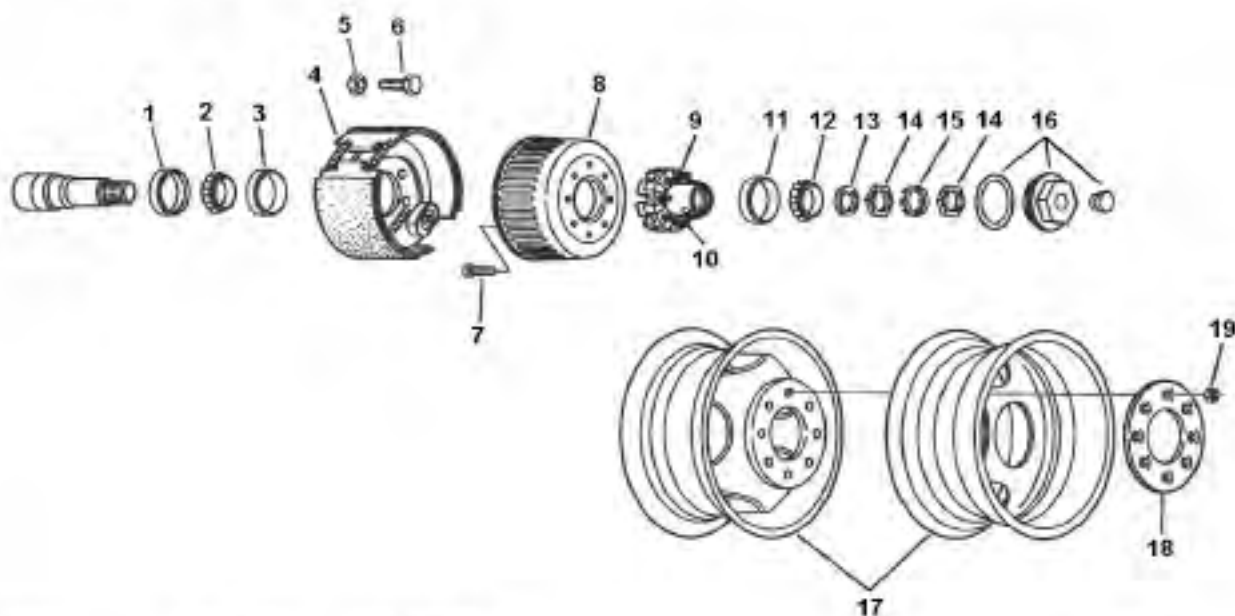
BLINK CODES		
Blink Code	Problem Area	Action
3	Sensor BU1	Determine sensor location. Check sensor installation. Make necessary repairs.
4	Sensor YE1	Determine sensor location. Check sensor installation. Make necessary repairs.
5	Sensor BU2	Determine sensor location. Check sensor installation. Make necessary repairs.
6	Sensor YE2	Determine sensor location. Check sensor installation. Make necessary repairs.
7	External ABS modulator valve	Verify proper electrical installation. Check power supply. Make necessary corrections.
9	Internal modulator failure, inlet valve #2	Verify proper installation. If code continues, contact Meritor WABCO for assistance.
10	Internal modulator failure, inlet valve #1	Verify proper installation. If code continues, contact Meritor WABCO for assistance.
11	Internal modulator failure, outlet valve	Verify proper installation. If code continues, contact Meritor WABCO for assistance.
14	Power Supply	Verify proper electrical installation. Check power supply. Make necessary corrections.
15	ECU Failure	Verify proper installation. If code continues, contact Meritor WABCO for assistance.
16	SAE J1708 Failure	Internal failure, contact Meritor WABCO.
17	SAE J2497 (PLC) Failure	Internal failure, contact Meritor WABCO.
18	Generic I/O Failure	Verify proper electrical installation. Check power supply. Make necessary corrections.

WABCO

Customer Care Center
Phone: 1-855-228-3203

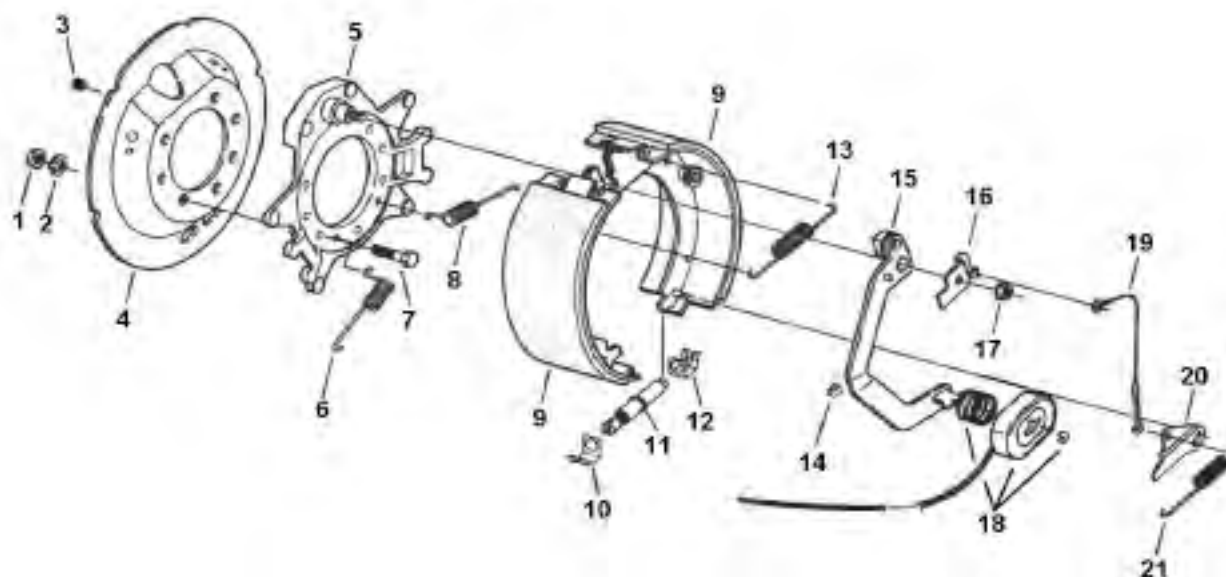
INTERSTATE TRAILERS, INC.

30DLE HUB & DRUM



ITEM#	QTY PER TRAILER	DESCRIPTION	PART NUMBER
1	4	HUB OIL SEAL	6010
1	4	HUB OIL SEAL, HEAVY DUTY	6010-1
2	4	INNER BEARING CONE	7503
3	4	INNER BEARING CUP	7504
4	2	COMPLETE ELEC. BRAKE ASSEMBLY, ROAD SIDE	7491
4	2	COMPLETE ELEC. BRAKE ASSEMBLY, CURB SIDE	7492
5	28	BRAKE MOUNTING NUT	5295
6	28	BRAKE MOUNTING BOLT	5297
7	32	DRUM ATTACHING BOLT	7518
8	2	BRAKE DRUM, NON ABS	7507
9	4	HUB, WITH CUPS AND STUDS	7497-4
10	32	WHEEL STUD	7501
11	4	OUTER BEARING CUP	7509
12	4	OUTER BEARING CONE	7510
13	4	SPINDLE WASHER	5294
14	8	BEARING LOCKNUT	7511
15	4	SPINDLE LOCK WASHER	7512
16	4	HUB OIL CAP ASSEMBLY	7226
17	8	DUAL WHEEL, 17.5 X 6.75	7036
18	4	NOT EQUIPPED ON THIS MODEL	N/A
19	32	WHEEL NUT	7502

30DLE ELECTRIC BRAKE

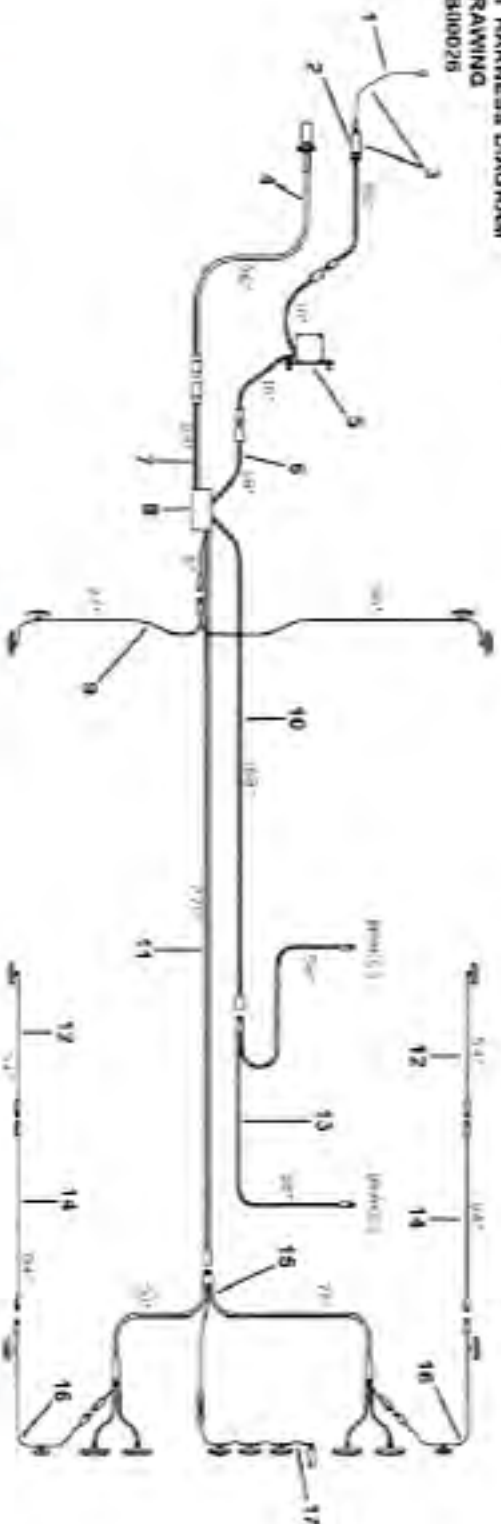


ITEM#	QTY PER TRAILER	DESCRIPTION	PART NUMBER
1	28	BRAKE MOUNTING NUT	5295
2	28	BRAKE MOUNTING LOCK WASHER	5301
3	4	WIRE GROMMET	4843
4	4	DUST SHIELD	6207-2
5	4	CAST BACKING PLATE	7750-1
6	4	CENTERING SPRING	7555
7	28	BRAKE MOUNTING BOLT	5297
8	4	CENTERING SPRING	7555
9	2	BRAKE SHOE KIT, ROADSIDE	7570-1
9	2	BRAKE SHOE KIT, CURBSIDE	7571-1
10	4	ADJUSTER CLIP, THREAD END	4613
11	2	BRAKE ADJUSTER, ROADSIDE	7534
11	2	BRAKE ADJUSTER, CURBSIDE	7535
12	4	ADJUSTER CLIP, BARREL END	4613-1
13	4	BRAKE SHOE RETURN SPRING	5335
14	12	WIRE CLIP	4846-1
15	2	ACTUATOR ARM, ROADSIDE	7537-1
15	2	ACTUATOR ARM, CURBSIDE	7538-1
16	2	ARM/SHOE RETAINER, ROADSIDE	7557
16	2	ARM/SHOE RETAINER, CURBSIDE	7558
17	4	FLANGE NUT	7543
18	4	MAGNET, KIT	5154-1
19	4	ADJUSTER CABLE	7547-1
20	2	ADJUSTER LEVER, ROADSIDE	7546-1
20	2	ADJUSTER LEVER, CURBSIDE	7548-1
21	4	ADJUSTER LEVER SPRING	7536-1

INTERSTATE TRAILERS, INC.

DLE HARNESS DIAGRAM

DT HARNESS DIAGRAM
DRAWING
AB00026



ITEM#	QTY PER TRAILER	DESCRIPTION	PART NUMBER
1	1	BREAK A WAY PULL PIN	4998
2	1	BREAK A WAY SWITCH ONLY	6561
3	1	BREAK A WAY SWITCH AND PIN ASSEMBLY	6561-1
4	1	NOSSE HARNESS 7-WAY STANDARD	102-2
4	1	NOSSE HARNESS 6-WAY OPTIONAL	102-4
5	1	BREAK A WAY BATTERY, BOX, AND HARNESS (INCLUDES ITEMS 1,2)	8000-1
6	1	BREAK A WAY LEAD OUT HARNESS	106
7	1	JUNCTION BOX LEAD OUT HARNESS	5993-1
8	1	JUNCTION BOX, INCLUDES CIRCUIT BREAKERS	4982
9	1	FRONT MARKER LIGHT HARNESS	108
10	1	ELECTRIC BRAKE LEAD OUT HARNESS	128
11	1	MAIN HARNESS, WITH JUNCTION BOX	0101-3
12	2	CENTER MARKER HARNESS	145
13	1	TANDEM BRAKE HARNESS	103
14	2	MARKER HARNESS EXTENSION	146
15	1	REAR HARNESS (INCLUDES 15, 16, 17)	0104-1
16	2	CORNER MARKER HARNESS	0122-2
17	1	REAR CENTER MARKER HARNESS	0126-2
		COMPLETE HARNESS	1104
		COMPLETE HARNESS - UPGRADED (WITH BREAK A WAY BOX)	1105

INTERSTATE

* The Definition of Value *



14P8S



40TDL



40APC



10ST/12ST



100SDGN



Ask Your
Sales Representative
for Details

INTERSTATE TRAILERS, INC.

1101 HERITAGE PARKWAY
MANSFIELD, TEXAS 76063
www.interstatetrailers.com



200T

"Take the 10-Ton Challenge"



50/70LBQ



60TDL



40DLA



60DLA