



Parts Manual

Serial Number Range

AL4L

from SN AL4L10-001 to
AL4L16-229

AL5L

from SN AL4L16J-230 to
AL416LJ-1499

from SN AL5L10-001 to
AL5L15-128

from SN AL4LJ-1500

Part No. 228775

Rev B11

November 2018

Technical Publications

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Contact Us:

Internet: www.genielift.com
e-mail: awp.techpub@terex.com

Find a Manual for this Model

Go to <http://www.genielift.com>

Use the links to locate Operator's, Parts, Maintenance, and Service and Repair Manuals.

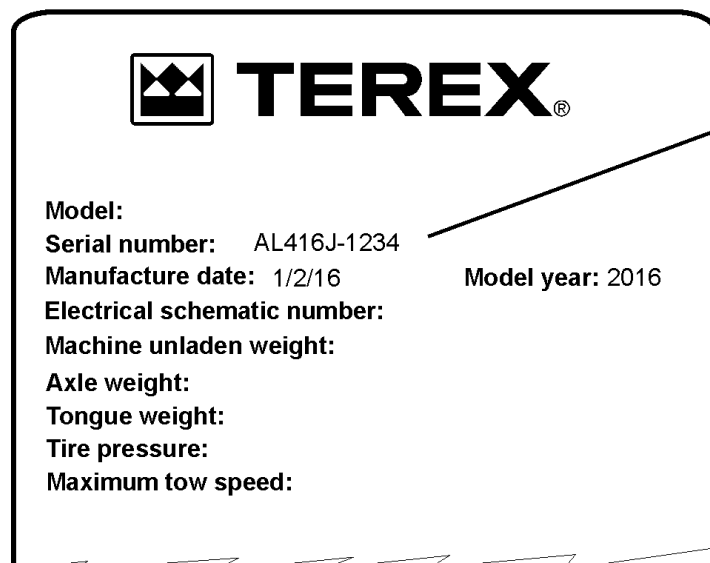
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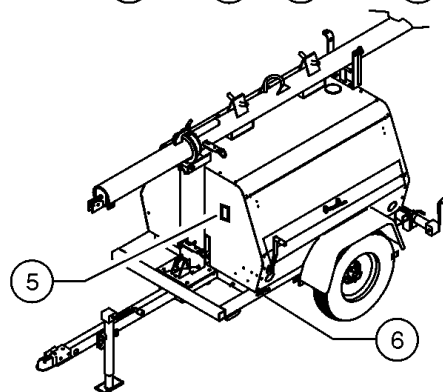
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To August 31, 2016



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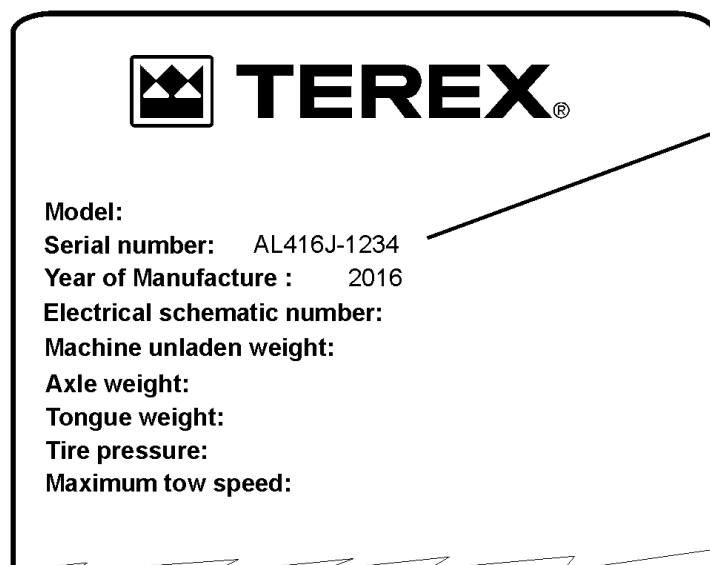
1 2 3 4



- 1 Model
- 2 Model year
- 3 Facility code

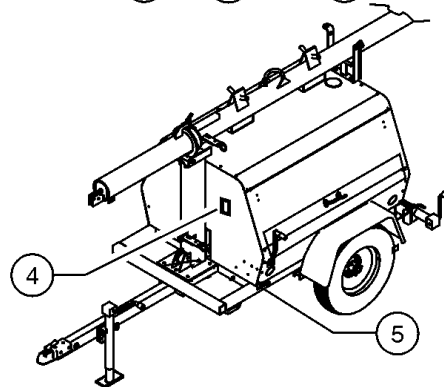
- 4 Sequence number
- 5 Serial label
- 6 Serial number (stamped on chassis)

From September 1, 2016



AL4 J - 1234

1 2 3



- 1 Model
- 2 Facility code
- 3 Sequence number

- 4 Serial label
- 5 Serial number (stamped on chassis)

Table of Contents

This manual is updated frequently. If you have a printed manual, you can keep it up to date by downloading new figures from the Genie website at www.genielift.com. For the most up-to-date parts information, visit the Parts Lookup System on the Genie website at www.genielift.com.

How to Read Your Serial Number.....	3
Parts Stocking List.....	7
How to Order Parts.....	8
Service Parts Fax Order Form.....	9

Electronic Version

Click on any page number to view the figure.

100 Decals

101.1 Decals with Words, AL4L With Battery.....	10
102.1 Decals with Symbols, AL4L With Battery.....	12
103.1 Decals with Words, AL4L With Engine.....	14
104.1 Decals with Symbols, AL4L With Engine.....	16
105.1 Decals with Words, AL5L.....	18
106.1 Decals with Symbols, AL5L.....	20

200 Base Components

201.1 Frame.....	22
202.1 Axle With Hydraulic Brakes.....	24
203.1 Axle With Electric Brakes.....	26
204.1 Battery and Charger Installation.....	28
205.1 Cabinet, View 1.....	30
205.1 Cabinet, View 1 (to SN AL4L13-146).....	32
205.2 Cabinet, View 1 (from SN AL4L13-147).....	34
206.1 Cabinet, View 2.....	36
207.1 Hitches.....	38

300 Engine Components

301.1 Engine, Kubota D1105-E3BG, View 1, AL4L.....	40
302.1 Engine, Kubota D1105-E3BG, View 1, AL5L.....	42
303.1 Engine, Kubota D1105-E3BG, View 2.....	44
304.1 Engine, Kubota D1105-E3BG, View 3.....	46
305.1 Engine, Kubota D1105-E3BG, View 4.....	48

400 Electrical Components

401.1 Control Box, AL4L With Battery.....	50
402.1 Control Box, AL4L With Engine, View 1.....	52
403.1 Control Box, AL4L With Engine, View 2.....	54
404.1 Control Box, AL5L, View 1.....	56

405.1 Control Box, AL5L, View 2.....	58
406.1 Wiring Harnesses.....	60

500 Mast Components

501.1 Mast Assembly, Cable Routing.....	62
502.1 Tower Base Assembly.....	64
502.1 Tower Base Assembly.....	66
503.1 6" Round Base Assembly.....	68
504.1 4" Mast Assembly.....	70
505.1 2" and 3" Mast Assemblies.....	72
506.1 Light Assembly.....	74
507.1 Winch Assembly.....	76

600 Accessories

601.1 Spare Tire and Dome Light.....	78
602.1 Battery Watering System.....	80

Indices

Part Number Index.....	82
Part Description Index.....	85

Cross References

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Required Parts

The following parts are required to perform maintenance procedures as outlined in the Terex AL4L and AL5L Service Manual.

Kubota D1105-D3BG

Description	Part No.
Air Filter Element	866127
Engine Oil Filter.....	866050
Fuel Filter Element.....	839200
In-line Fuel Filter.....	740620
V-Belt.....	839209
Lower Radiator Hose	839110
Upper Radiator Hose.....	839109
Hose Clamp, Upper Radiator Hose	32185
Fuel Return Hose, 1/8"	890785@42"
Hose, Fuel Filter to Fuel Pump, 5/16".....	890795@24"
Fuel Hose, Fuel Pump to in-Line Filter.....	890795@12"
Fuel Hose, in-line Filter to Fuel Tank	890795@6"
Fuel Hose, Tank Equalization	890795@42"
Fuel Hose, Fuel Filter to Injector Pump	890795@18"
Hose Clamp, 5/16" Fuel Line.....	898590

Description	Part No.
Kit: Upper Cable Assembly.....	109070
Kit: Lower Cable Assembly.....	109060

Recommended Parts

Description	Part No.
Mechanical Jack	841430
Snap Ring, Mechanical Jack	840222
Kit, Plunger Pin, Outrigger.....	970260
Grease Seal Bearing	834266
Cotter Pin, Wheel Bearing	834255

Control Box

Relay, 120V 30A	229824
Relay, 12VDC.....	R661490
Timer, Repeat 48V	229825
Breaker, DC, 5A	228411
Breaker, 15A	T113641
Breaker, 30A	T113644

Generator

Capacitor, AL4L	58356
Capacitor, AL5L	229457
Diode	836853
Surge Protector	836856

How To Order Parts

How to Order Parts

Please be prepared with the following information when ordering replacement parts for your Terex or Genie product.

- ☒ Machine model number
- ☒ Machine serial number
- ☒ Part number
- ☒ Part description and quantity
- ☒ Purchase order number
- ☒ "Ship to" address
- ☒ Desired method of shipment
- ☒ Name and telephone number of the authorized distributor in your area.

Use the Service Parts Fax Order Form on the next page and fax your order to our Parts Department.

If you don't know the name of your authorized distributor, or if your area is not currently serviced by an authorized distributor, please call Terex or Genie Industries.

Machine Information

Model

Serial Number

Date of Purchase

Authorized Genie Distributor

Phone Number

North America

Telephone (425)881-1800
 Toll Free (800)536-1800 in US and Canada
 Fax (425)556-8659
 Toll Free fax (888)274-6192
 Email AWP.PartsSalesPO@terex.com
<http://genielift.com/en>

EMEAR (Europe, Middle East, Africa and Russia)

Telephone (31)(165)519 313
 Fax (31)(165)511 148
<http://genielift.co.uk>

Asia Pacific (Genie Singapore)

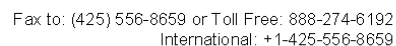
Telephone +65 6692 7777
 Fax +65 6261 8893
<http://genielift.com.sg/>

Australia

Telephone (61)(7)3456 4444
 Fax (61)(7)3456 4466
<http://genielift.com.au>

South America

Telephone (55)(11)4082 5600
 Fax (55)(11)4082 5630



Date _____	Account Number _____
Your Name _____	Your Fax Number _____
_____	Your Phone Number _____
Bill To _____	Ship To _____
_____	_____
_____	_____
_____	_____
Purchase Order Number _____	Ship Via _____

Optional Equipment _____

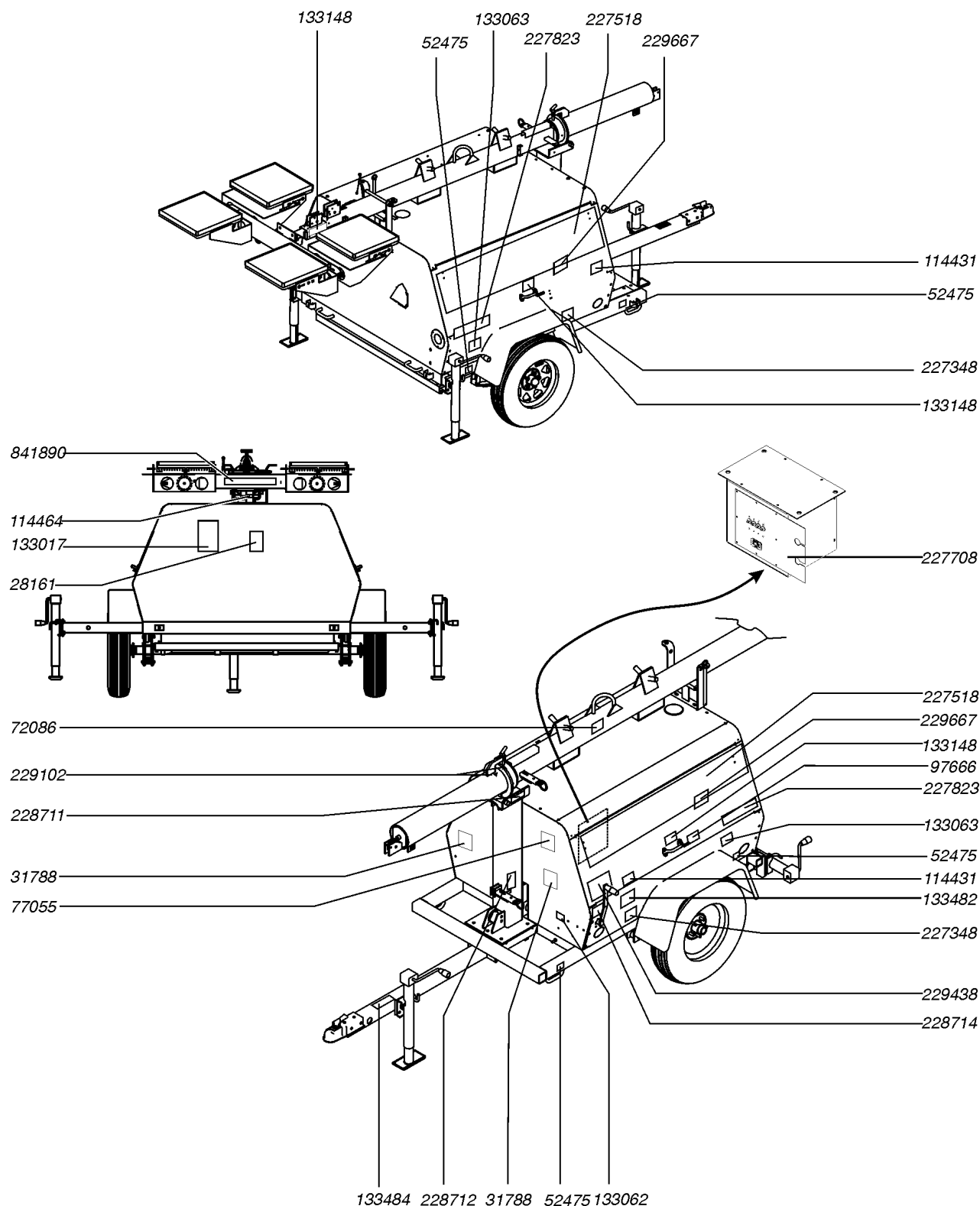
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☐ Ship complete order only - No back orders

☐ Ship all available parts and - contact customer on disposition of back-ordered parts

☐ Other (please specify)

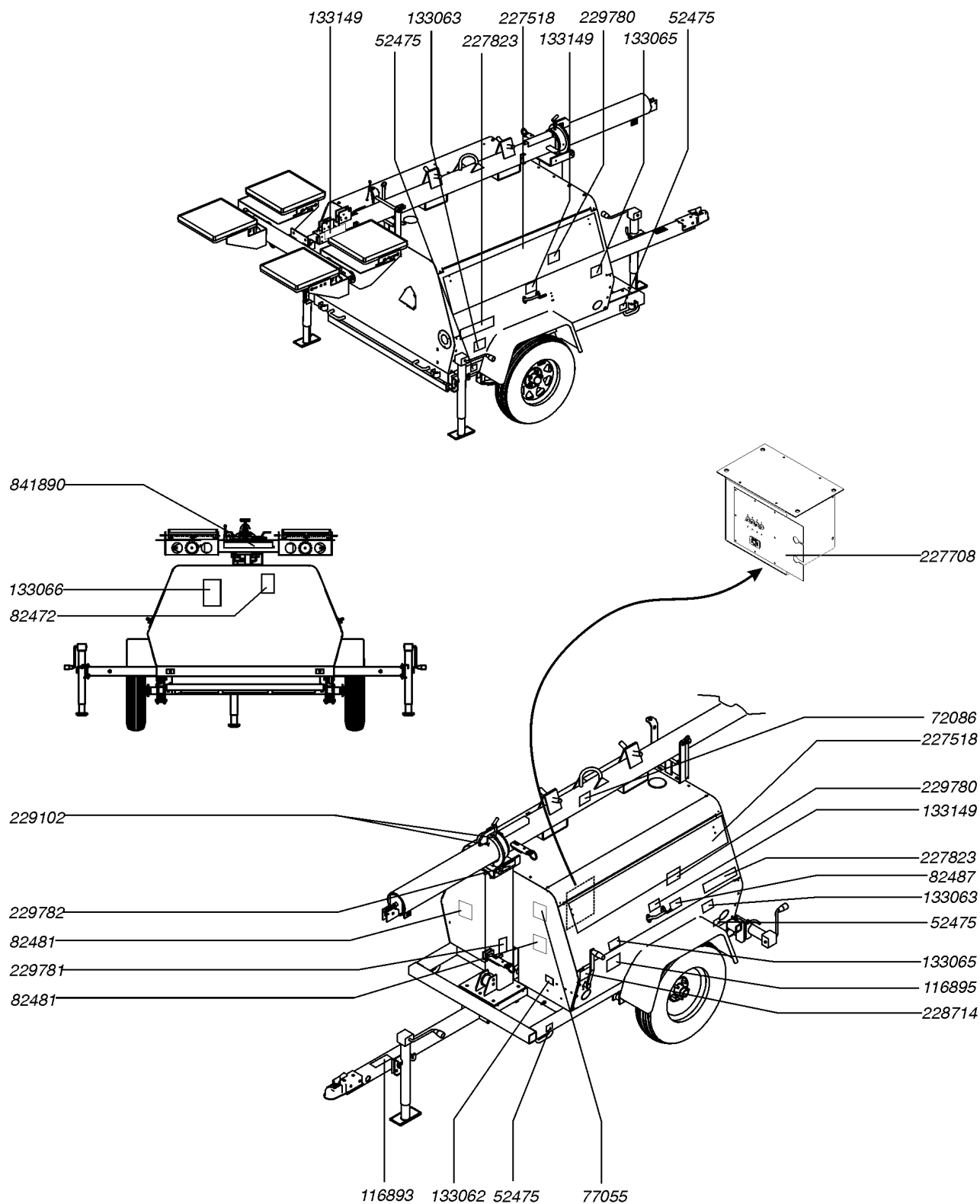
101.1 Decals with Words, AL4L With Battery



101.1 Decals with Words, AL4L With Battery

Item	Part No.	Description	Qty.
--	230639GT	DECAL KIT,AL4L,BATT,WORD (does not include control panel label)	
1	28161GT	DECAL,WARN,CRUSH HAZARD HAND.....	1
2	31788GT	DECAL,DANGER,BATTERY SAFETY***.....	2
3	52475GT	DECAL,LABEL,TRANSPORT TIEDOWN*.....	4
4	72086GT	DECAL,LABEL,LIFTING EYE.....	2
5	77055GT	SERIAL LABEL,BLANK,4X8,CHROME*..... (This is a blank label. Contact Service Parts to order; the model and serial number of the machine will be required.)	1
--	77183GT	FILM,POLY,CLEAR,4.5 X 8.75.....	1
6	97666GT	DECAL,WARN,READ MANUAL.....	1
7	114431GT	DECAL,DANGER,ELECTROCUTION HZD.....	2
8	114464GT	LABEL,TRAVEL LOCK.....	1
9	133017GT	DECAL,WARNING,CRUSH HZD,TOWER.....	1
10	133062GT	Decal, Label, Ground.....	1
11	133063GT	DECAL,LABEL,TIE DOWN DIAGRAM....	2
12	133148GT	DECAL,DANGER,HAZARD VOLTAGE....	3
13	133482GT	DECAL,WARNING TIP-OVER HAZ.....	1
14	133484GT	DECAL,WARNING TOW SPEED.....	1
15	227348GT	DECAL,TIRE SPECIFICATION.....	2
16	227518GT	DECAL,COSMETIC TEREX,AL4,AL4L...	2
17	227708GT	DECAL,CONTROL PANEL,AL4L BAT.....	1
18	227823GT	DECAL,COSMETIC,AL4L.....	2
19	228711GT	DECAL, WARNING, CRUSH HAZARD...	1
20	228712GT	DECAL, WARN, CRUSH HAZARD,MAST.....	1
21	228714GT	LABEL, WINCH, RAISE & LOWER.....	1
22	229102GT	DECAL, LABEL, ARROW.....	1
23	229438GT	DECAL,NOTICE,OP INSTRAL4/5L.....	1
24	229667GT	DECAL,WARNING,TIP-OVER,BATT.....	2
25	841890GT	REFLECTOR,SCOTCHLITE,2"X18".....	1

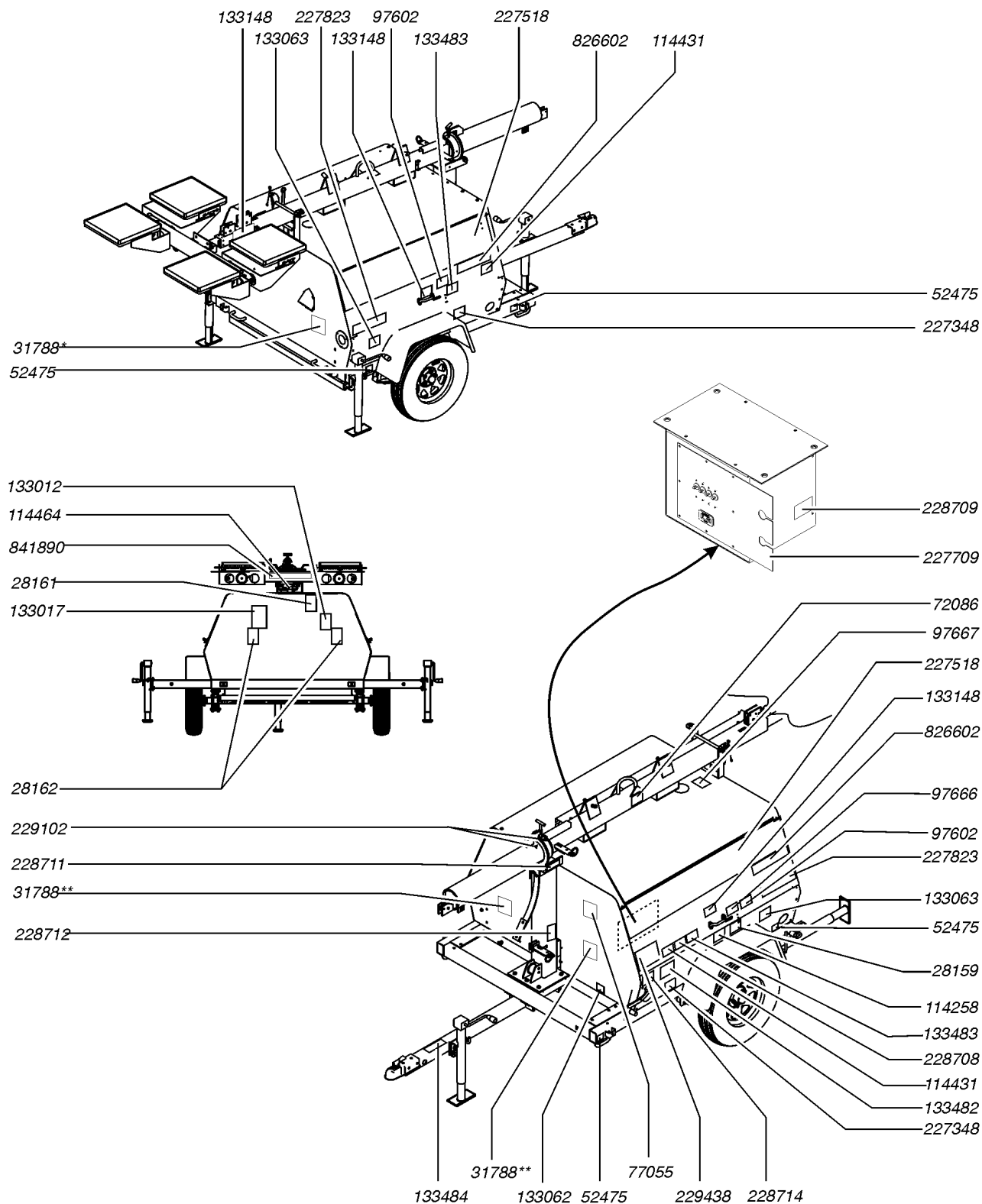
102.1 Decals with Symbols, AL4L With Battery



102.1 Decals with Symbols, AL4L With Battery

Item	Part No.	Description	Qty.
--	230640GT	DECAL KIT,AL4L,BATT,SYMBOL (does not include control panel label)	
1	52475GT	DECAL,LABEL,TRANSPORT TIEDOWN*.....	4
2	72086GT	DECAL,LABEL,LIFTING EYE.....	2
3	82472GT	DECAL,WARNING,CRUSHING HAZARD.....	1
4	82481GT	DECAL,SYMBOL-BATTERY SAFETY.....	2
5	82487GT	DECAL, SYMBOL - READ THE MANUAL.....	1
6	77055GT	SERIAL LABEL,BLANK,4X8,CHROME*..... (This is a blank label. Contact Service Parts to order; the model and serial number of the machine will be required.)	1
--	77183GT	FILM,POLY,CLEAR,4.5 X 8.75.....	1
7	116893GT	DECAL,TOW SPEED SYMBOL.....	1
8	116895GT	DECAL,TIP HAZARD SYMBOL.....	1
9	133062GT	Decal, Label, Ground.....	1
10	133063GT	DECAL,LABEL,TIE DOWN DIAGRAM....	2
11	133065GT	DECAL,LABEL-ELEC HAZ,DISTANCE...	2
12	133066GT	DECAL,LABEL-CRUSH HAZ,TOWER....	1
13	133149GT	DECAL,LABEL-ELEC HAZ,SERV MAN..	3
14	227518GT	DECAL,COSMETIC TEREX,AL4,AL4L...	2
15	227708GT	DECAL,CONTROL PANEL,AL4L BAT....	1
16	227823GT	DECAL,COSMETIC,AL4L.....	2
17	228714GT	LABEL, WINCH, RAISE & LOWER.....	1
18	229102GT	DECAL, LABEL, ARROW.....	2
19	229780GT	LABEL, TIP-OVER BATTERIES.....	2
20	229781GT	DECAL,WARNING,TIP-OVER,SYM.....	1
21	229782GT	DECAL,WARNING,CRUSHING HAZARD.....	1
22	841890GT	REFLECTOR,SCOTCHLITE,2"X18".....	1

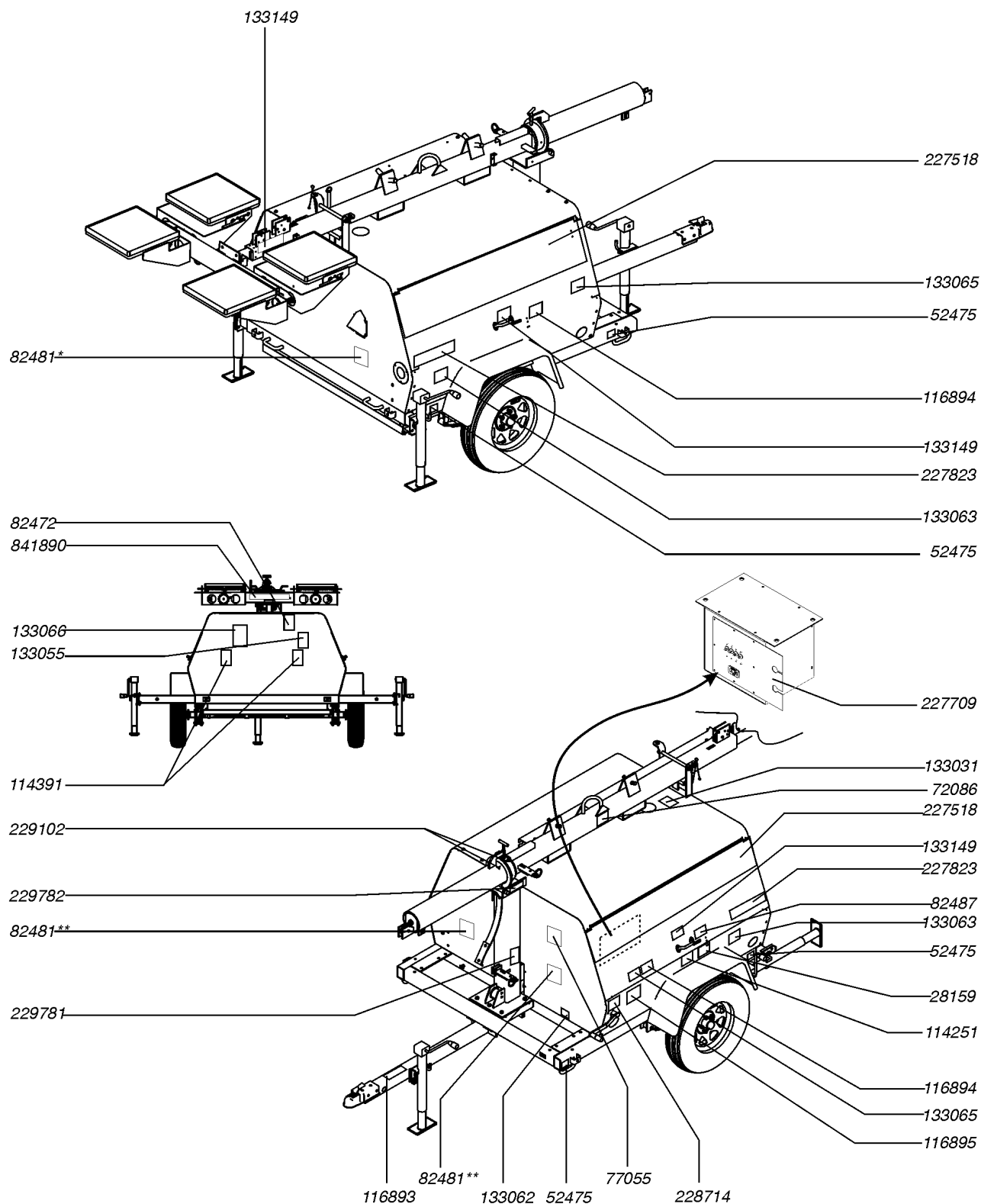
103.1 Decals with Words, AL4L With Engine



103.1 Decals with Words, AL4L With Engine

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	230641GT	DECAL KIT,AL4L,ENG,WORD (does not include control panel label)		32	229438GT	DECAL,NOTICE,OP INSTRAL4/5L.....1	
1	28159GT	DECAL,DIESEL.....1		33		LABEL, SHORE PLUG (available soon)	
2	28161GT	DECAL,WARN,CRUSH HAZARD HAND.....1		34	841890GT	REFLECTOR,SCOTCHLITE,2"X18".....1	
3	28162GT	DECAL,WARNING,CRUSHING.....2					
4	31788GT	DECAL,DANGER,BATTERY SAFETY***.....2 (AL4L)					
5	52475GT	DECAL,LABEL,TRANSPORT TIEDOWN*.....4					
6	72086GT	DECAL,LABEL,LIFTING EYE.....2					
7	77055GT	SERIAL LABEL,BLANK,4X8,CHROME*.....1 (This is a blank label. Contact Service Parts to order; the model and serial number of the machine will be required.)					
--	77183GT	FILM,POLY,CLEAR,4.5 X 8.75.....1					
8	97602GT	DECAL,EXPLOSION HAZARD.....2					
9	97666GT	DECAL,WARN,READ MANUAL.....1					
10	97667GT	DECAL,WARN,BURN HAZARD.....1					
11	114258GT	DECAL,DANGER,NO SMOKING.....1					
12	114431GT	DECAL,DANGER,ELECTROCUTION HZD.....2					
13	114464GT	LABEL,TRAVEL LOCK.....1					
14	133017GT	DECAL,WARNING,CRUSH HZD,TOWER.....1					
15	133012GT	DECAL,DANGER-BURN/CO HAZARD...1					
16	133062GT	Decal, Label, Ground.....1					
17	133063GT	DECAL,LABEL,TIE DOWN DIAGRAM....2					
18	133148GT	DECAL,DANGER,HAZARD VOLTAGE....3					
19	133482GT	DECAL,WARNING TIP-OVER HAZ.....1					
20	133483GT	DECAL,WARNING BURN HAZ.....2					
21	133484GT	DECAL,WARNING TOW SPEED.....1					
22	227348GT	DECAL,TIRE SPECIFICATION.....2					
23	227518GT	DECAL,COSMETIC TEREX,AL4,AL4L...2					
24	227709GT	DECAL,CONTROL PANEL,AL4L GEN....1					
25	227823GT	DECAL,COSMETIC,AL4L.....2					
26	228708GT	DECAL, DANGER, CSA OUTDOOR USE.....1					
27	228709GT	LABEL, CSA NEUTRAL BOND TO GND.....1					
28	228711GT	DECAL, WARNING, CRUSH HAZARD...1					
29	228712GT	DECAL, WARN, CRUSH HAZARD,MAST.....1					
30	228714GT	LABEL, WINCH, RAISE & LOWER.....1					
31	229102GT	DECAL, LABEL, ARROW.....2					

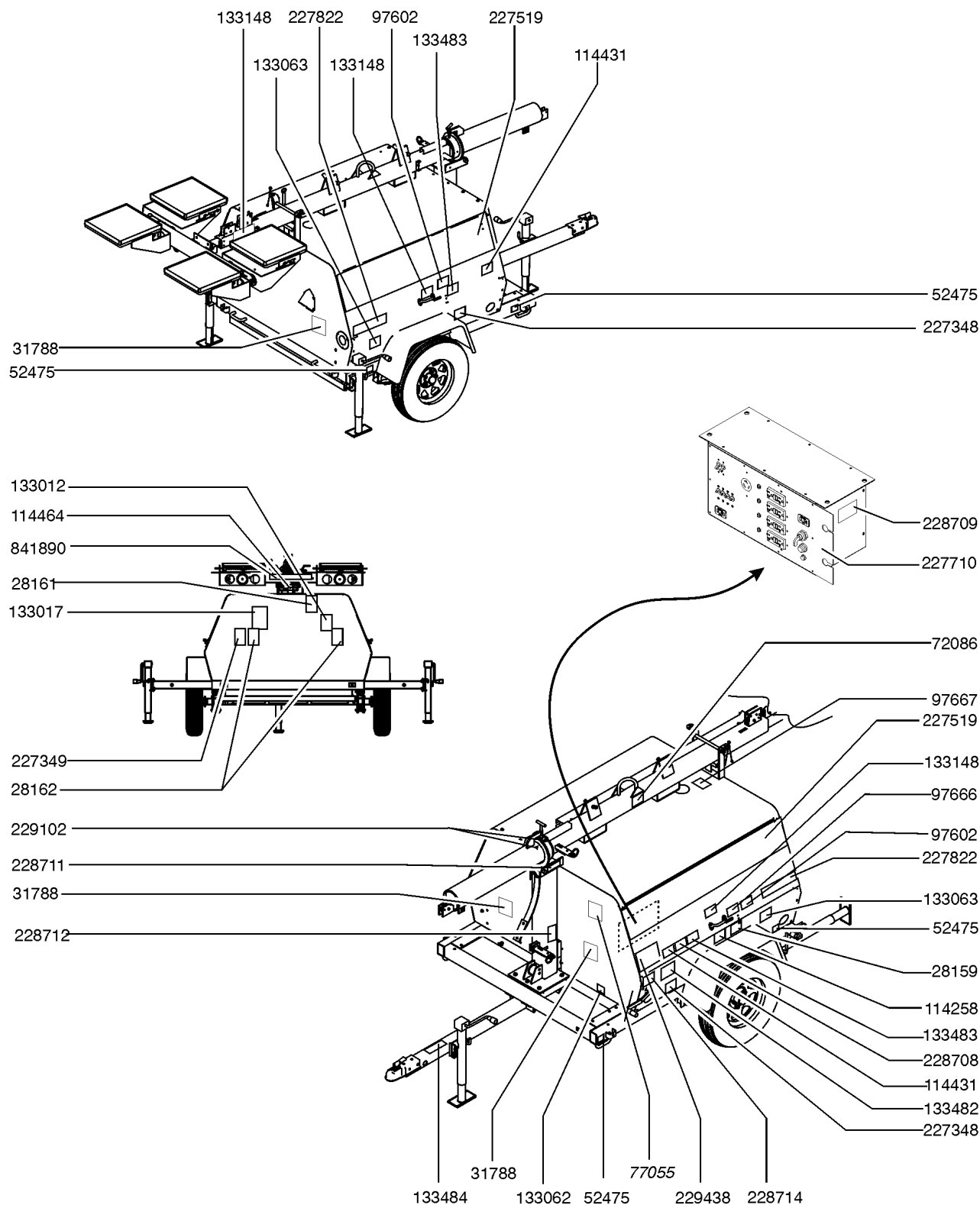
104.1 Decals with Symbols, AL4L With Engine



104.1 Decals with Symbols, AL4L With Engine

Item	Part No.	Description	Qty.
--	230642GT	DECAL KIT,AL4L,ENG,SYMBOL (does not include control panel label)	
1	28159GT	DECAL,DIESEL.....	1
2	52475GT	DECAL,LABEL,TRANSPORT TIEDOWN*.....	4
3	72086GT	DECAL,LABEL,LIFTING EYE.....	2
4	82472GT	DECAL,WARNING,CRUSHING HAZARD.....	1
5	82481GT	DECAL,SYMBOL-BATTERY SAFETY.....	2
6	82487GT	DECAL, SYMBOL - READ THE MANUAL.....	1
7	77055GT	SERIAL LABEL,BLANK,4X8,CHROME*..... (This is a blank label. Contact Service Parts to order; the model and serial number of the machine will be required.)	1
--	77183GT	FILM,POLY,CLEAR,4.5 X 8.75.....	1
8	114251GT	DECAL,LABEL,NO SMOKING,SYMB.....	1
9	114391GT	DECAL,WARNING,CRUSHING.....	2
10	116893GT	DECAL,TOW SPEED SYMBOL.....	1
11	116894GT	DECAL,BURN HAZARD SYMBOL.....	2
12	116895GT	DECAL,TIP HAZARD SYMBOL.....	1
13	133055GT	DECAL,LABEL,BURN/CO2 HAZARD.....	1
14	133031GT	Label - Burn Hazard.....	1
15	133062GT	Decal, Label, Ground.....	1
16	133063GT	DECAL,LABEL,TIE DOWN DIAGRAM....	2
17	133065GT	DECAL,LABEL-ELEC HAZ,DISTANCE...	2
18	133066GT	DECAL,LABEL-CRUSH HAZ,TOWER.....	1
19	133149GT	DECAL,LABEL-ELEC HAZ,SERV MAN...	3
20	227518GT	DECAL,COSMETIC TEREX,AL4,AL4L...	2
21	227709GT	DECAL,CONTROL PANEL,AL4L GEN....	1
22	227823GT	DECAL,COSMETIC,AL4L.....	2
23	228714GT	LABEL, WINCH, RAISE & LOWER.....	1
24	229102GT	DECAL, LABEL, ARROW.....	2
25	229781GT	DECAL,WARNING,TIP-OVER,SYM.....	1
26	229782GT	DECAL,WARNING,CRUSHING HAZARD.....	1
27	841890GT	REFLECTOR,SCOTCHLITE,2"X18".....	1

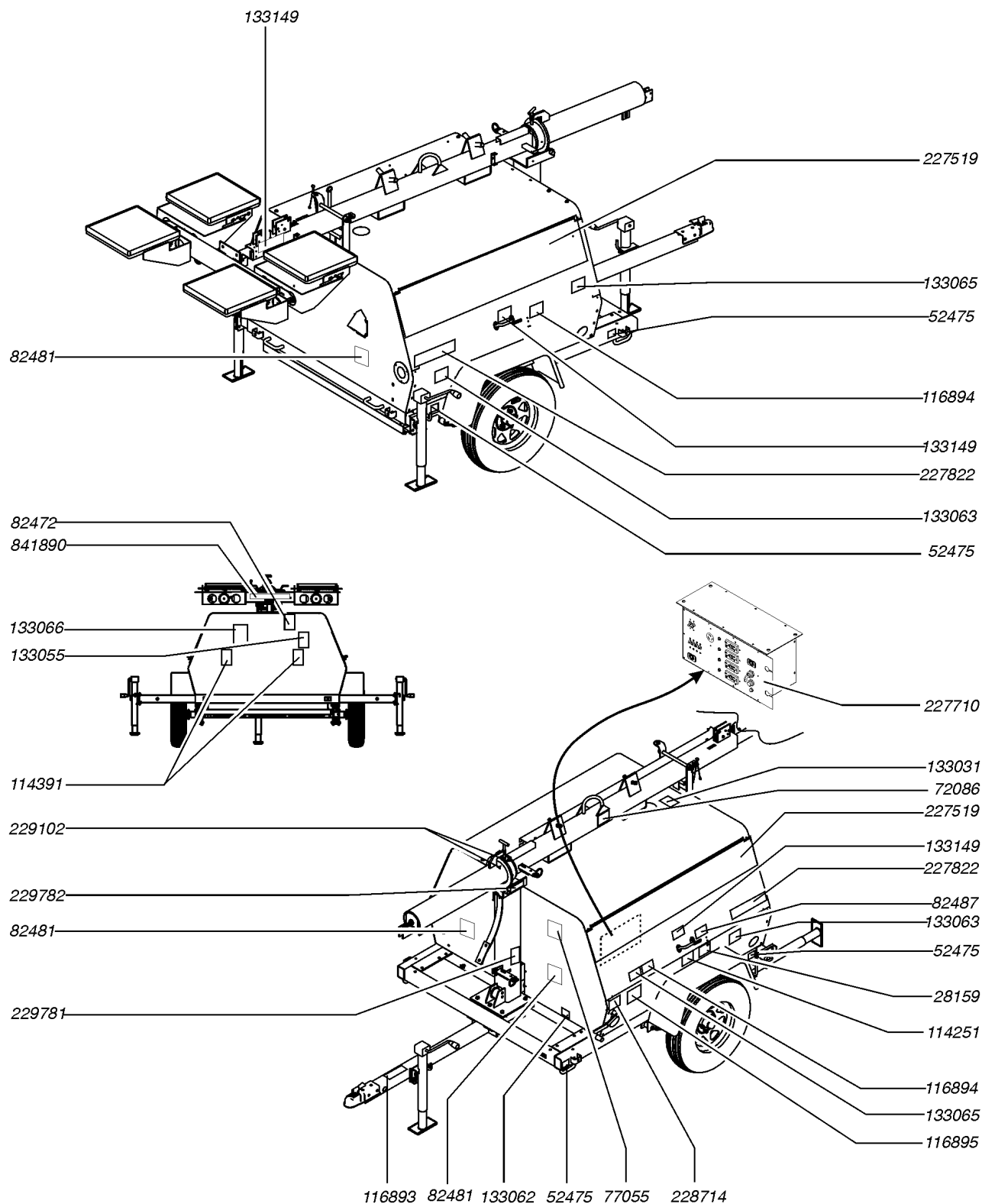
105.1 Decals with Words, AL5L



105.1 Decals with Words, AL5L

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	230643GT	DECAL KIT,AL5L,BATT,WORD (does not include control panel label)		32	229102GT	DECAL, LABEL, ARROW.....	2
1	28159GT	DECAL,DIESEL.....	1	33	229438GT	DECAL,NOTICE,OP INSTRAL4/5L.....	1
2	28161GT	DECAL,WARN,CRUSH HAZARD HAND.....	1	34	841890GT	REFLECTOR,SCOTCHLITE,2"X18".....	1
3	28162GT	DECAL,WARNING,CRUSHING.....	2				
4	31788GT	DECAL,DANGER,BATTERY SAFETY***..... (AL5L)	2				
5	52475GT	DECAL,LABEL,TRANSPORT TIEDOWN*.....	4				
6	72086GT	DECAL,LABEL,LIFTING EYE.....	2				
7	77055GT	SERIAL LABEL,BLANK,4X8,CHROME*..... (This is a blank label. Contact Service Parts to order; the model and serial number of the machine will be required.)	1				
--	77183GT	FILM,POLY,CLEAR,4.5 X 8.75.....	1				
8	97602GT	DECAL,EXPLOSION HAZARD.....	2				
9	97666GT	DECAL,WARN,READ MANUAL.....	1				
10	97667GT	DECAL,WARN,BURN HAZARD.....	1				
11	114258GT	DECAL,DANGER,NO SMOKING.....	1				
12	114431GT	DECAL,DANGER,ELECTROCUTION HZD.....	2				
13	114464GT	LABEL,TRAVEL LOCK.....	1				
14	133017GT	DECAL,WARNING,CRUSH HZD,TOWER.....	1				
15	133012GT	DECAL,DANGER-BURN/CO HAZARD...	1				
16	133062GT	Decal, Label, Ground.....	1				
17	133063GT	DECAL,LABEL,TIE DOWN DIAGRAM....	2				
18	133148GT	DECAL,DANGER,HAZARD VOLTAGE....	3				
19	133482GT	DECAL,WARNING TIP-OVER HAZ.....	1				
20	133483GT	DECAL,WARNING BURN HAZ.....	2				
21	133484GT	DECAL,WARNING TOW SPEED.....	1				
22	227348GT	DECAL,TIRE SPECIFICATION.....	2				
23	227349GT	DECAL,ENGINE SPEC,V1505.....	1				
24	227519GT	DECAL,COSMETIC TEREX,AL5,AL5....	2				
25	227710GT	DECAL,CONTROL PANEL,AL5L.....	1				
26	227822GT	DECAL,COSMETIC,AL5L.....	2				
27	228708GT	DECAL, DANGER, CSA OUTDOOR USE.....	1				
28	228709GT	LABEL, CSA NEUTRAL BOND TO GND.....	1				
29	228711GT	DECAL, WARNING, CRUSH HAZARD...	1				
30	228712GT	DECAL, WARN, CRUSH HAZARD,MAST.....	1				
31	228714GT	LABEL, WINCH, RAISE & LOWER.....	1				

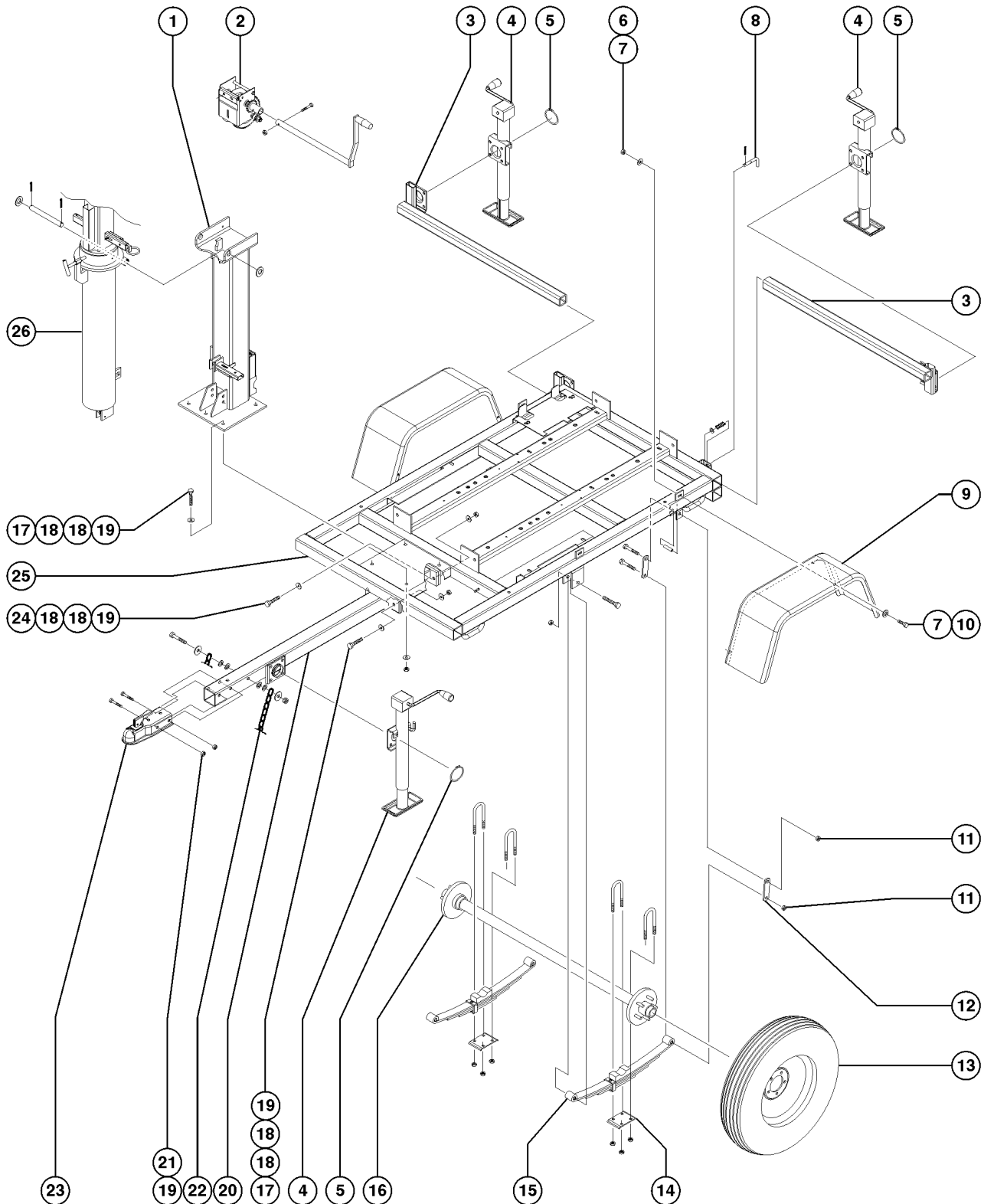
106.1 Decals with Symbols, AL5L



106.1 Decals with Symbols, AL5L

Item	Part No.	Description	Qty.
--	230644GT	DECAL KIT,AL5L,BATT,SYMBOL (does not include control panel label)	
1	28159GT	DECAL,DIESEL.....	1
3	52475GT	DECAL,LABEL,TRANSPORT TIEDOWN*.....	4
4	72086GT	DECAL,LABEL,LIFTING EYE.....	2
5	82472GT	DECAL,WARNING,CRUSHING HAZARD.....	1
6	82481GT	DECAL,SYMBOL-BATTERY SAFETY.....	1
7	82487GT	DECAL, SYMBOL - READ THE MANUAL.....	1
8	77055GT	SERIAL LABEL,BLANK,4X8,CHROME*..... (This is a blank label. Contact Service Parts to order; the model and serial number of the machine will be required.)	1
--	77183GT	FILM,POLY,CLEAR,4.5 X 8.75.....	1
9	114251GT	DECAL,LABEL,NO SMOKING,SYMB.....	1
10	114391GT	DECAL,WARNING,CRUSHING.....	2
11	116893GT	DECAL,TOW SPEED SYMBOL.....	1
12	116894GT	DECAL,BURN HAZARD SYMBOL.....	2
13	116895GT	DECAL,TIP HAZARD SYMBOL.....	1
14	133055GT	DECAL,LABEL,BURN/CO2 HAZARD.....	1
15	133031GT	Label - Burn Hazard.....	1
16	133062GT	Decal, Label, Ground.....	1
17	133063GT	DECAL,LABEL,TIE DOWN DIAGRAM....	2
18	133065GT	DECAL,LABEL-ELEC HAZ,DISTANCE..	2
19	133066GT	DECAL,LABEL-CRUSH HAZ,TOWER.....	1
20	133149GT	DECAL,LABEL-ELEC HAZ,SERV MAN..	3
21	227519GT	DECAL,COSMETIC TEREX,AL5,AL5....	2
22	227710GT	DECAL,CONTROL PANEL,AL5L.....	1
23	227822GT	DECAL,COSMETIC,AL5L.....	2
24	228714GT	LABEL, WINCH, RAISE & LOWER.....	1
25	229102GT	DECAL, LABEL, ARROW.....	2
26	229781GT	DECAL,WARNING,TIP-OVER,SYM.....	1
27	229782GT	DECAL,WARNING,CRUSHING HAZARD.....	1
28	841890GT	REFLECTOR,SCOTCHLITE,2"X18".....	1

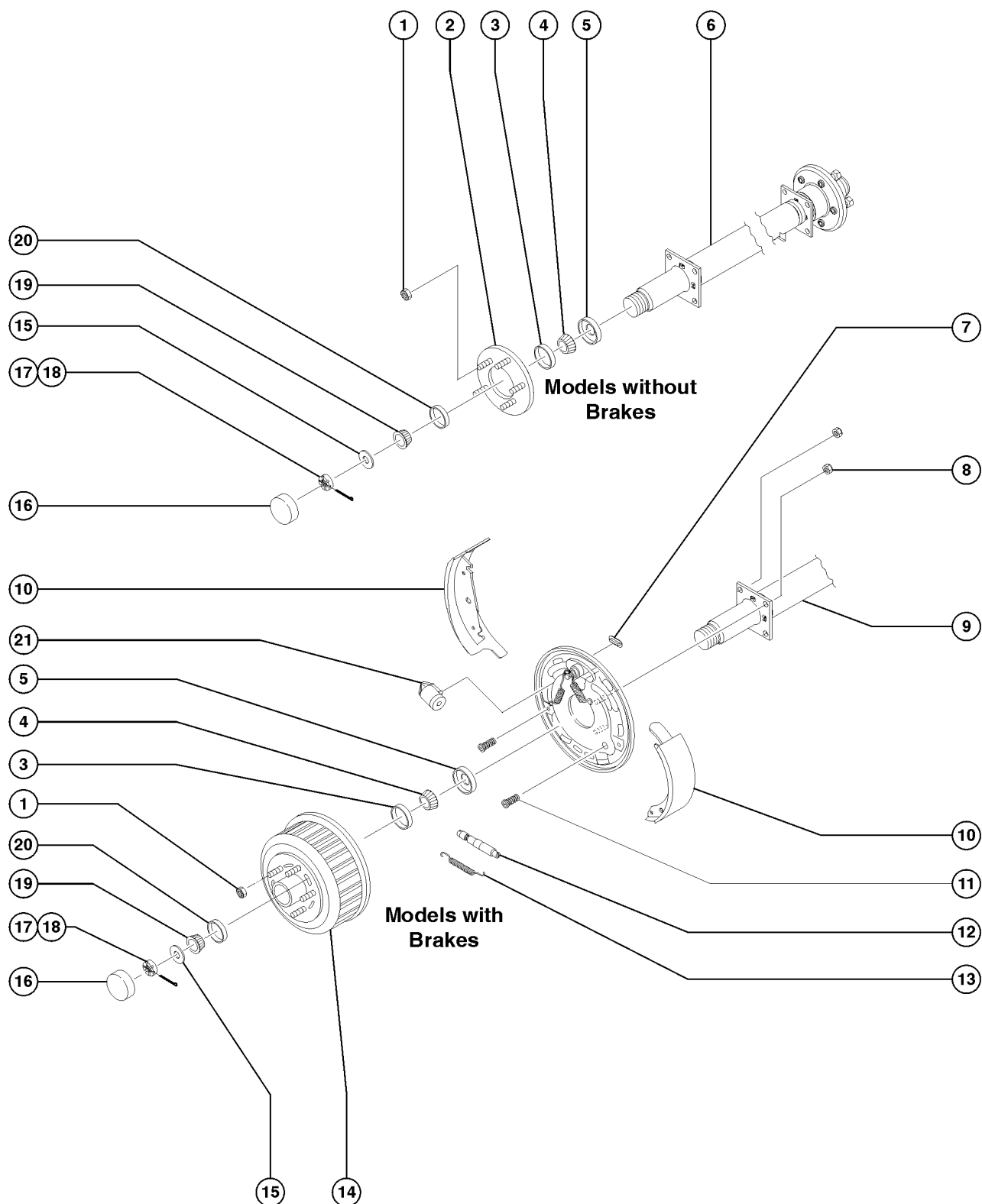
201.1 Frame



201.1 Frame

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1		Ref. TOWER BASE ASSEMBLY (refer to 502.1)		25B	T108775GT	WELDMENT, CHASSIS (AL5L)	
2		Ref. WINCH (refer to 507.1)		26		Ref. 6" ROUND BASE ASSY (refer to 503.1)	
3A	114480GT	OUTRIGGER,2X2X42,GALVANIZED.....2 (AL4L) (shown)					
3B	114613GT	OUTRIGGER 3X2X33REARAL5000.....2 (AL5L)					
4	841430GT	JACK,MECHANICAL,3000LB					
--	834204GT	FULTON HANDLE FOR JACK for jack with round plastic top					
--	834219GT	HAMMERBLOW HANDLE FOR JACK for jack with square metal top					
--	840221GT	JACK BRACKET,WELD ON SWIVEL for 841430					
5	840222GT	SNAP RING,JACK (841430).....3					
6	6091GT	NUT,NYLOCK,1/4-20.....4					
6	824024GT	NUT,TL,1/4-20,C,ZAG.....4					
7	75144GT	WASHER,FLAT,SAE 1/4,ZINC.....8					
8	790965GT	PIN,PLUNGER,OUTRIGGER, KIT.....2					
9	974645GT	KIT:FENDERS TO CAB-SIDE.....1 (includes fenders and weatherstripping)					
--	123490GT	FENDER W/SKIRT,STEEL.....2					
--	930950GT	WTHRSRIP, 1/4" X 1/2"W.....2					
10	994130GT	SCREW,HHC,1/4-20 X 1.....4					
11	840376GT	NUT,WHEEL, 1/2 X 20.....6					
12	116095GT	KIT,SHACKLE AND BOLT ASSY.....2					
13	841061GT	WHEEL/TIRE ASSY,15",205/75 LRC.....2					
14	834267GT	KIT,AXLE,U-BOLT & PLATE & NUTS.....2					
15	834211GT	SPRING,LEAF FOR AXLE, 4 PLY.....2					
16		Ref. AXLE.....1 (refer to 202.1 or 203.1)					
17	994600GT	SCREW 1/2-13NCX1-1/2H.....2					
18	6095GT	WASHER,FLAT,USS,1/2",Y.....4					
19	6198GT	NUT,NYLOCK,1/2-13					
20	230583GT	TONGUE WITH DECAL, ALXL.....1					
21	995310GT	SCREW,HHC,1/2-13 X 4 G.....1					
22	162160GT	CHAIN, SAFETY, SNAP HOOK.....2					
--	32645GT	SCREW,HHC,3/8-16 X 5 GRD 5 ZNC.....1					
--	6097GT	WASHER,FLAT,USS,3/8",Y.....2					
--	61975GT	RETAINER,SPRING,1.21 X .375.....2					
--	824029GT	NUT,TL FLG,3/8-16,G,ZAG.....1					
23	57332GT	COUPLER,BALL,2" CLASS II.....1					
24	6096GT	SCREW,HHC,1/2-13 X 2 GR5.....2					
25A	124410GT	TRAILER FRAME 41X70W.....1 (AL4L)					

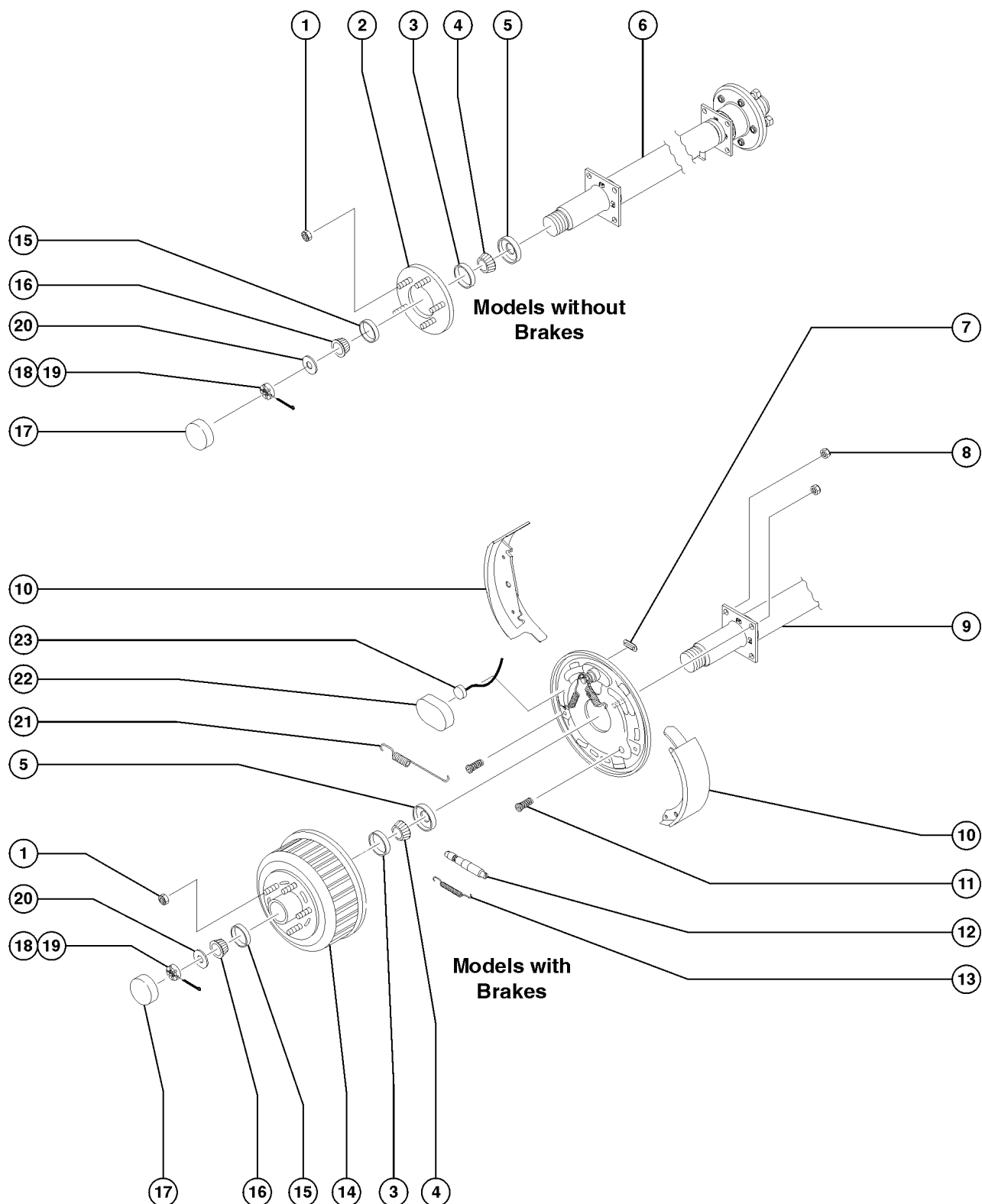
202.1 Axle With Hydraulic Brakes



202.1 Axle With Hydraulic Brakes

Item	Part No.	Description	Qty.
1	840376GT	NUT,WHEEL, 1/2 X 20.....	10
2	230566GT	IDLER HUB,ALXL.....	2
3	230563GT	RACE,ALXL,840377,841050.....	2
4	834226GT	INNER BEARING.....	2
5	52265GT	SEAL,GREASE (SL173)..... <i>replaced 834225GT</i>	2
6A	841050GT	AXLE ASSY,3500LB,IDLE,AL4.....	1
6B	840377GT	AXLE ASSY,3500LB,IDLE,AL5,7,8	
7		COVER,ADJ SCREW,ALXL,BRAKE <i>(no longer available from the supplier)</i>	
8	230560GT	NUT,7/16,FH,ZINC,BRAKE, ALXL.....	8
9A	22105016GT	ASY:AXLE 3500LB W/HYD BRAKE <i>(ball) (AL4L)</i>	
9B	22105013GT	ASY:AXLE 3500LB W/HYD BRAKE <i>(ring) (AL4L)</i>	
9C	228092GT	AXLE W/HYD SURGE BRK/BALL AL5	
9D	228093GT	AXLE W/HYD SURGE BRK/RING AL5	
10	230571GT	SHOE AND LINING KIT,ALXL,ELEC.....	2
11	230577GT	SHOE HOLD DOWN SPRING,ALXL.....	4
12	230569GT	ADJUSTER SCREW ASSY, ALXL.....	2
13		ADJUSTER SPRING,E BRAKE,ALXL..... <i>(no longer available from the supplier)</i>	2
14	230565GT	BRAKE DRUM,ALXL.....	2
15	147123GT	WASHER,PLAIN,1".....	2
16	834228GT	GREASE CAP, AXLE, 3000LB.....	2
17	834250GT	HAMMERBLOW SPINDLE NUT,AXLE....	2
18	834255GT	HAMMERBLOW 033008COTTER PIN	
19	230561GT	BEARING,ALXL,840377,841050.....	2
20	230562GT	RACE,ALXL,840377,841050.....	2
21A	230579GT	WHEEL CYLINDER, LH, ALXL.....	1
21B	230580GT	WHEEL CYLINDER, RH, ALXL	

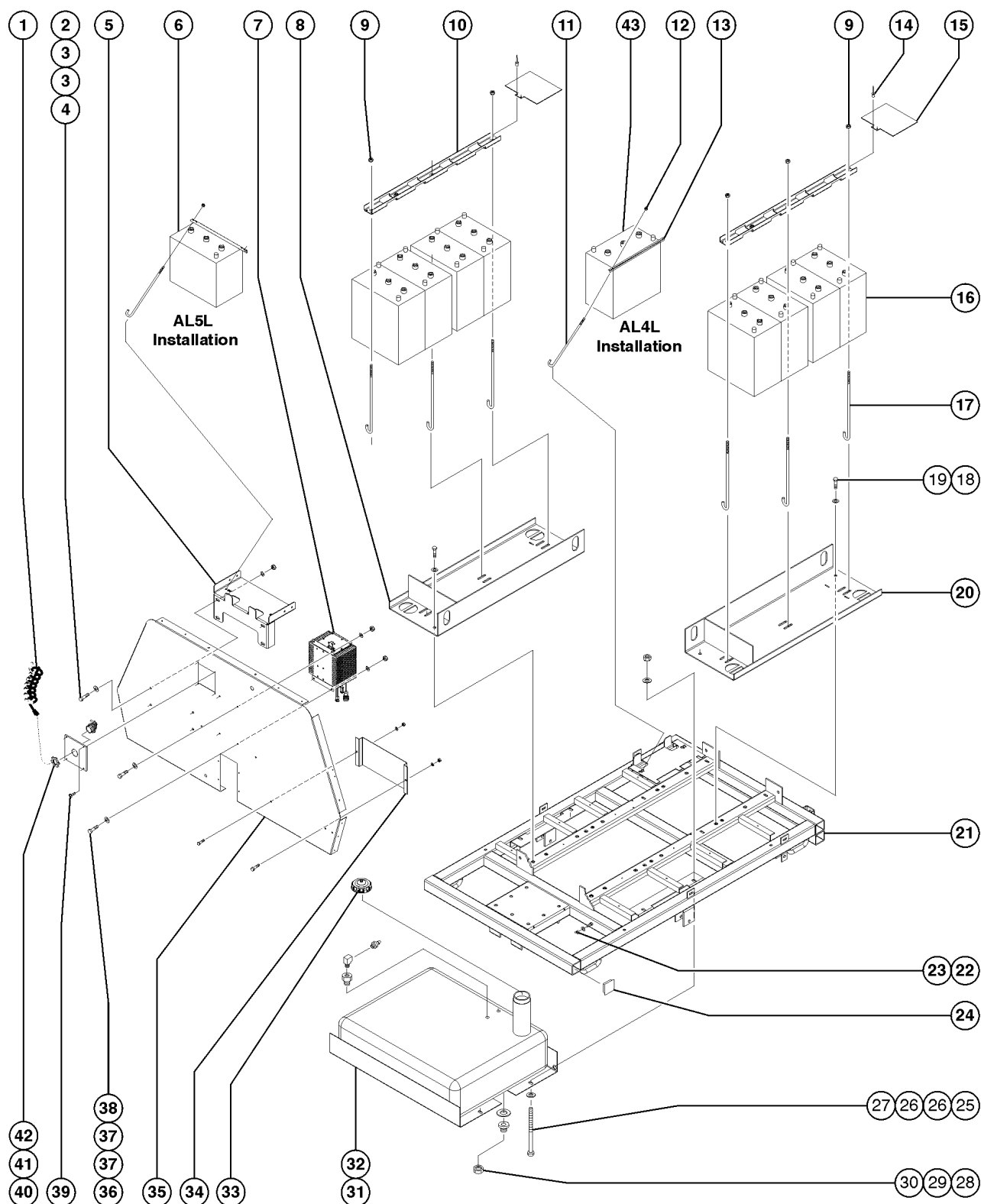
203.1 Axle With Electric Brakes



203.1 Axle With Electric Brakes

Item	Part No.	Description	Qty.
1	840376GT	NUT,WHEEL, 1/2 X 20.....	10
2	230566GT	IDLER HUB,ALXL.....	2
3	230563GT	RACE,ALXL,840377,841050.....	2
4	834226GT	INNER BEARING.....	2
5	52265GT	SEAL,GREASE (SL173)..... <i>replaced 834225GT</i>	2
6A	841050GT	AXLE ASSY,3500LB,IDLE,AL4.....	1
6B	840377GT	AXLE ASSY,3500LB,IDLE,AL5,7,8	
7		Ref. COVER,ADJ SCREW,ALXL,BRAKE <i>(no longer available from supplier)</i>	
8	236560GT	NUT,7/16,FH,ZINC,BRAKE, ALXL.....	4
9A	116941GT	AXLE ASSY ELE,3500 W/PRK BRK <i>(AL4L)</i>	
9B	228461GT	AXLE W/ELECTRIC BRAKES <i>(AL5L)</i>	
10	230570GT	SHOE AND LINING KIT,ALXL,HYD.....	2
11	230577GT	SHOE HOLD DOWN SPRING,ALXL.....	4
12	230569GT	ADJUSTER SCREW ASSY, ALXL.....	2
13	230573GT	ADJUSTER SPRING,H BRAKE,ALXL.....	2
14	230565GT	BRAKE DRUM,ALXL.....	2
15	230562GT	RACE,ALXL,840377,841050.....	2
16	230561GT	BEARING,ALXL,840377,841050	
17	834228GT	GREASE CAP, AXLE, 3000LB	
18	834250GT	HAMMERBLOW SPINDLE NUT,AXLE....	2
19	834255GT	HAMMERBLOW 033008COTTER PIN....	2
20	147123GT	WASHER,PLAIN,1"	
21	230575GT	RETRACTOR SPRING,E BRK,ALXL.....	2
22	230568GT	MAGNET,ELEC BRAKE, ALXL.....	2
23	230567GT	MAGNET SPRING,ELEC BRAKE,ALXL.....	2

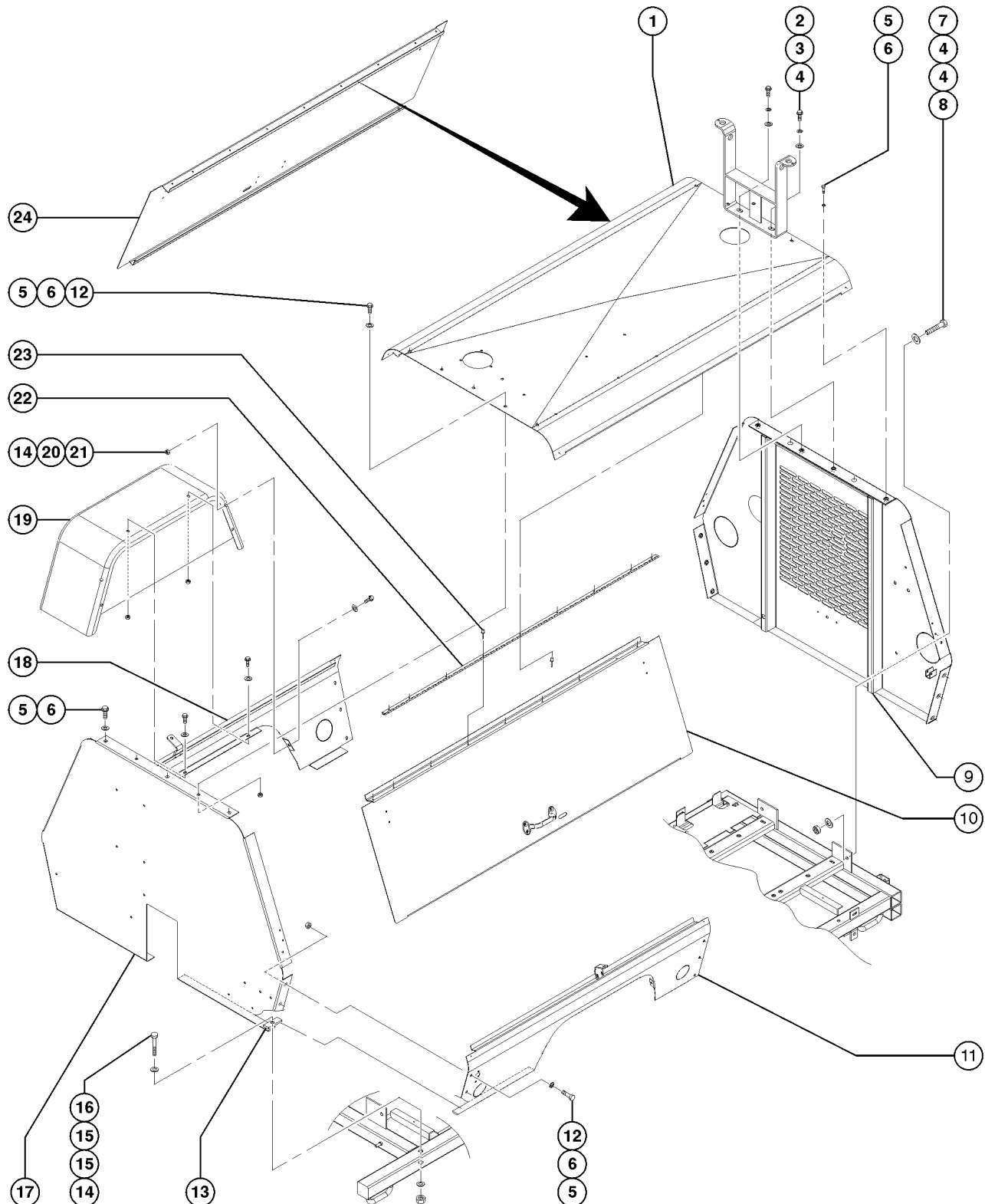
204.1 Battery and Charger Installation



204.1 Battery and Charger Installation

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1		Ref. Coil Cord (refer to 406.1)		26	990210GT	WASHER FLAT 1/2ZP.....	8
2	991760GT	SCREW 3/8-16NCX1-1/4HHC GR8 YZ		27	990200GT	NUT,NYLOCK,1/2-13 GR2.....	4
3	R980015GT	WASHER FLAT 3/8 S/S 18/-8 BIN		28	981530GT	NUT HEX JAM 3/4-16NF.....	1
4	990170GT	NUT LOCK NYLON INSERT 3/8		29	189790GT	PLUG,DRAIN,FUEL TANK.....	1
5	975085GT	KIT:BATTERY BRKT TO CAB.....1 (AL5L) (includes fasteners)		30	990230GT	WASHER,FLAT,3/4 ZP.....	1
6	112300GT	BATTERY.....1 (AL5L)		31	188630GT	FUEL TANK PAN, 30 GAL, AL4 (AL4L with 30 gallon tank) (shown)	
7	128375GT	CHARGER 48V/30A AUTO AC X-LED....1 order power cord separately		32A	742220GT	FUEL TNK ASSY,PLAS,30G,AL4.....1 (30 gallon tank) (shown) (includes fittings)	
7	128377GT	CORD AC IEC320-C19 TO 110US for 128375		32B	189805GT	FP-FUEL TANK 20GAL W/DRAIN (AL4L with 50 gallon option, additional 20 gallon tank)	
--	228973GT	KIT,ASSY,LED,IES CHARGER LED replacement kit		32C	741701GT	FUEL TNK ASSY,PLAS,30G,AL5&AL8 (AL5L) (includes fittings)	
8A	226425GT	WELDMENT, BATT TRAY CURBSIDE....1 (AL4L)		33	741715GT	CAP,FUEL,VENTED WITH GAUGE.....	1
8B	226423GT	WELDMENT, BATT TRAY CURBSIDE....1 (AL5L)		34	162189GT	KIT:BOOK BRACKET TO CAB.....1 (includes fasteners)	
9	48425GT	NUT,FLG-LRG,3/8-16,YZ		34	974640GT	KIT:BOOK BRACKET TO CAB.....1 (includes fasteners)	
10	227207GT	ANGLE, BATTERY HOLD DOWN.....2 (battery models)		35		Ref. Front Panel (AL5L, shown) (refer to 205.1)	
11	182330GT	FP-BATTERY HOLD-DOWN ROD.....2 (AL4L, engine models)		36	6090GT	SCREW,HHC,1/4-20 X .75	
12	6091GT	NUT,NYLOCK,1/4-20		36	824059GT	SCREW,HHC,1/4-20X.75,8,ZAG	
12	824024GT	NUT,TL,1/4-20,C,ZAG		37	6638GT	WASHER,FLAT,USS,1/4"Y	
13	174170GT	FP-BATTERY HOLDOWN ANGLE.....1 (AL5L) (AL4L, models with engine)		38	6889GT	NUT,LP NYLOCK,1/4-20	
14	990670GT	RIVET,POP,SS,3/16"X1/2" BLIND		38	824024GT	NUT,TL,1/4-20,C,ZAG NUT,TL,1/4-20,C,ZAG	
15	228900GT	PLATE, BATTERY DECAL MOUNT.....2 (AL4L)		39	995810GT	SCREW 1/4-20NCX5/8 HW.....	4
16	56462GT	BATTERY, J 305GH, 315AH.....8 (AL4L, battery models) (AL5L)		40	680250GT	LOCKNUT, CONDUIT 3/4CSA APPVD...	1
17	227208GT	J-HOOK,BATT HOLD DOWN.....6 (AL4L, battery models) (AL5L)		41	186280GT	PLATE COIL CORD CAB MOUNT.....	1
18	54177GT	SCREW,HHC,1/2-13 X 1.5 GRD 8		42	680030GT	CONNECTOR 2 SCREW 3/4.....	1
19	6095GT	WASHER,FLAT,USS,1/2",Y		43	112300GT	BATTERY.....1 (AL4L)	
20A	226426GT	WELDMENT, BATT TRAY ROADSIDE....1 (AL4L)					
20B	226424GT	WELDMENT, BATT TRAY ROADSIDE....1 (AL5L)					
21A	230581GT	FRAME WITH DECALS, AL4L.....1 (shown)					
21B	230582GT	FRAME WITH DECALS, AL5L (AL5L)					
22	993240GT	NUT,WING 3/8-16 ZP.....	1				
23	991690GT	WASHER LOCK STAR 3/8					
24	721051GT	CAPLUG TUBE PLUG 2.5 X 2.5.....	2				
25	994650GT	SCREW,HHC,1/2-13 X 10.....	4				

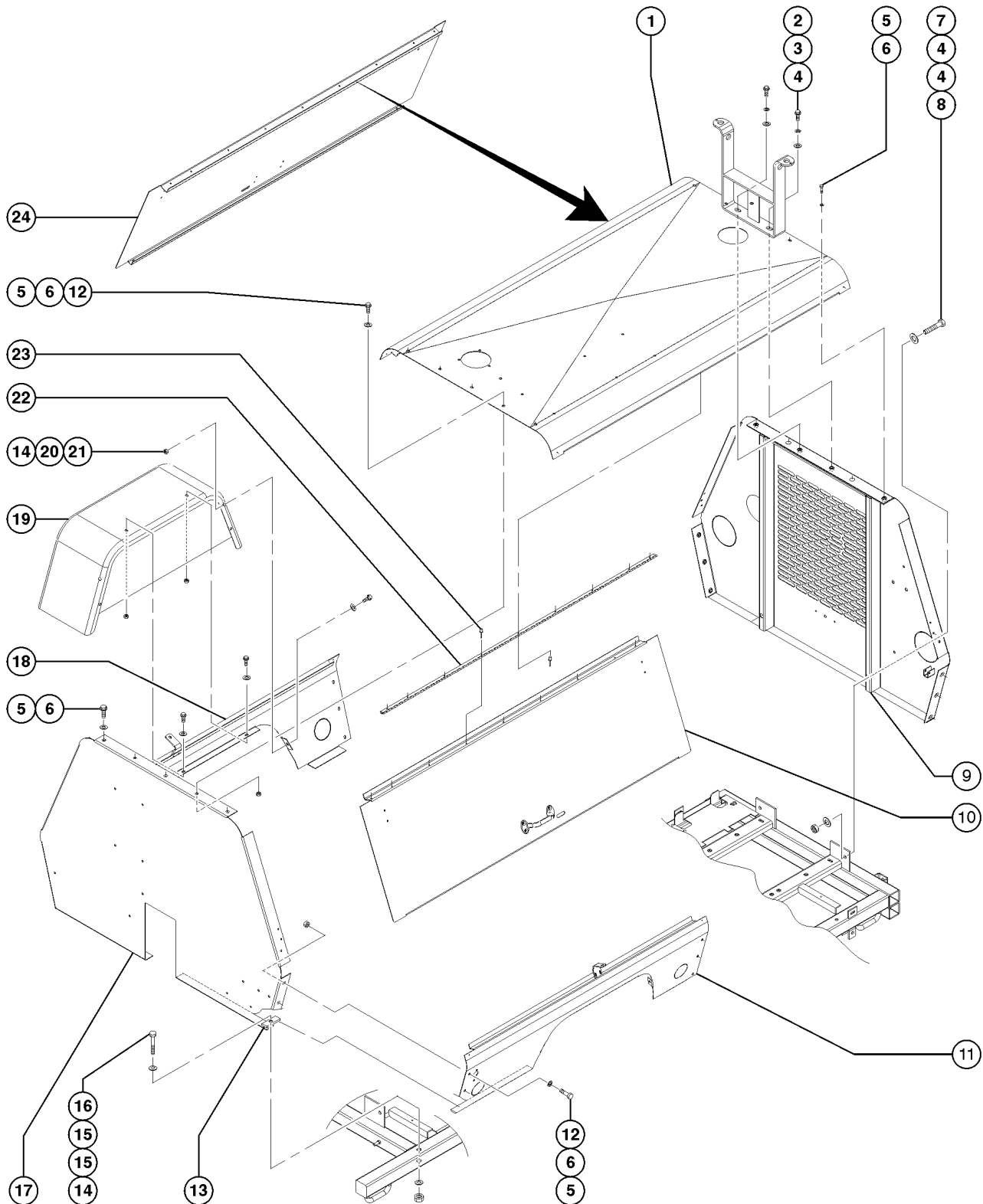
205.1 Cabinet, View 1



205.1 Cabinet, View 1

Item	Part No.	Description	Qty.
1B	230722GT	TOP PANEL W/DEC,AL5L,ENG,WORD.....1	1
1B	230723GT	TOP PANEL W/DEC,AL5L,ENG,SYMB	
2	994600GT	SCREW 1/2-13NCX1-1/2H	
3	991650GT	WASHER LOCK 1/2ZP	
4	993860GT	WASHER,FLAT,1/2 SS 18-8 BIN	
5	995810GT	SCREW 1/4-20NCX5/8 HW	
6	993850GT	WASHER FLAT 1/45/8 SBIN	
7	990270GT	SCREW,HHC,1/2-13 X 3.5 GR8	
8	990200GT	NUT,NYLOCK,1/2-13 GR2	
9B	230611GT	REAR PANEL,AL5L,SYMB	
9B	230682GT	TAIL LIGHT,RED,LED.....1	1
10E	230588GT	DOOR, ROADSIDE,AL5L,WORD.....1	1
--	189220GT	FOAM CABINET DOOR5430AL5/7000	
10F	230589GT	DOOR, ROADSIDE,AL5L,SYMB	
--	189220GT	FOAM CABINET DOOR5430AL5/7000	
11C	230599GT	SIDE PANEL,ROADSIDE,AL5L,WORD...1	1
11C	230600GT	SIDE PANEL,ROADSIDE,AL5L,SYMB	
12	990150GT	NUT,NYLOCK,1/4-20 GR2	
13	993900GT	WASHER RECTANGULAR1/4	
14	990160GT	SCREW,HHC,3/8-16 X 3.75	
15	990080GT	WASHER FLAT 3/8USS ZPBIN	
16	990170GT	NUT LOCK NYLON INSERT 3/8	
17B	230607GT	FRONT PANEL,AL5L,WORD.....1	1
17B	230608GT	FRONT PANEL,AL5L,SYMB	
18C	230603GT	SIDE PANEL,CURB S.,AL5L,WORD.....1	1
18C	230604GT	SIDE PANEL,CURB S.,AL5L,SYMB	
19		Ref. FENDER (refer to 201.1)	
20	990340GT	WASHER FLAT 1/4ZPLENSETBIN	
21	993440GT	SCREW,HHC,1/4-20 X 3/4 GR2 ZP	
22	796610GT	HINGE,PIANO,1.5"W X 51.75"L.....2	2
23	990670GT	RIVET,POP,SS,3/16"X1/2" BLIND	
24C	230593GT	DOOR,CURBSIDE,AL5L,WORD.....1	1
24C	230594GT	DOOR,CURBSIDE,AL5L,SYMB	

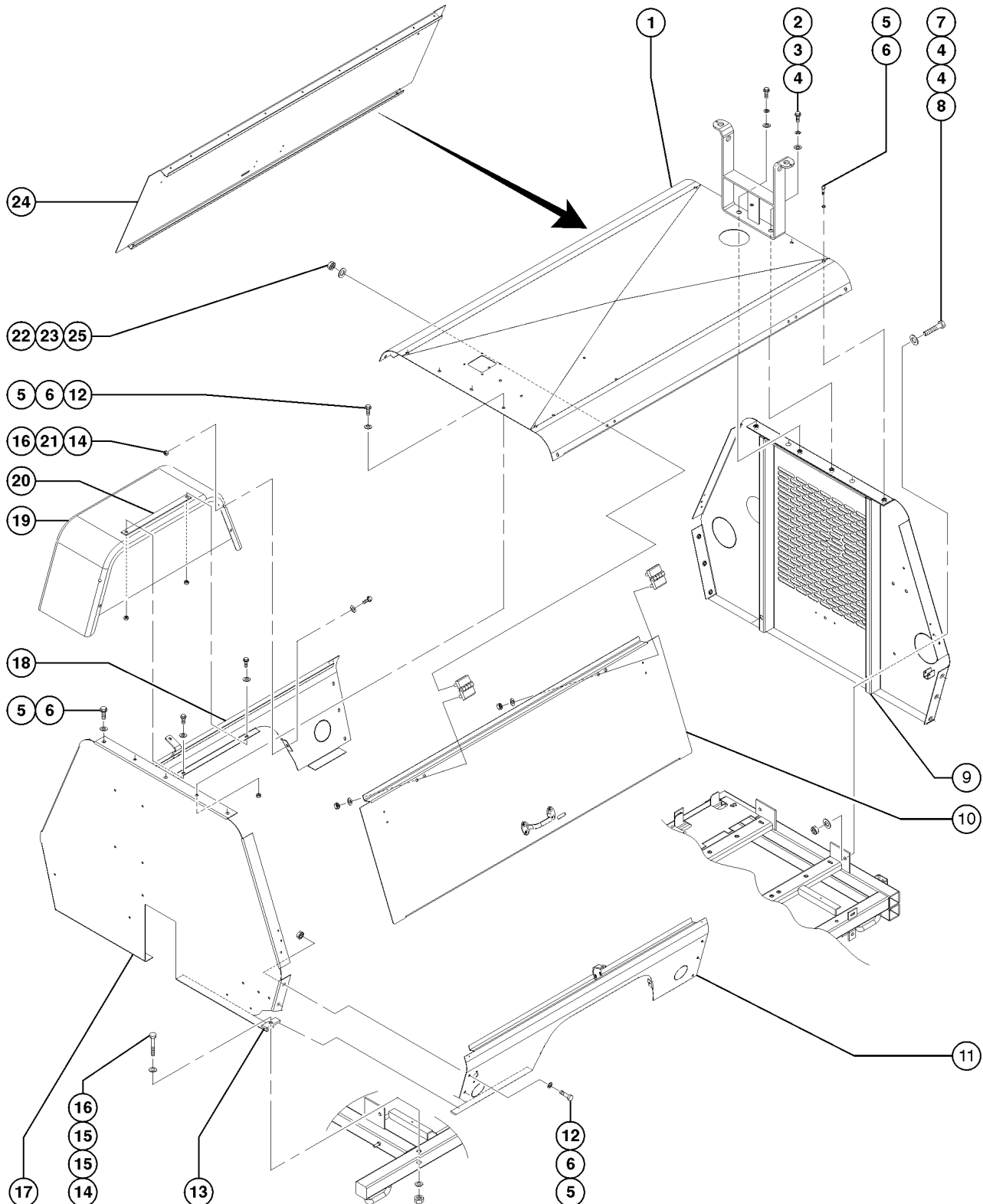
205.1 Cabinet, View 1 (to SN AL4L13-146)



205.1 Cabinet, View 1 (to SN AL4L13-146)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1A	230636GT	TOP PANEL W/DEC,AL4L,ENG,WORD.....1	1	23	990670GT	RIVET,POP,SS,3/16"X1/2" BLIND	
1A	230637GT	TOP PANEL W/DEC,AL4L,ENG,SYMB		24A	230590GT	DOOR,CURBSIDE,AL4L,BATT,WORD....1	1
2	994600GT	SCREW 1/2-13NCX1-1/2H		24A	230591GT	DOOR,CURBSIDE,AL4L,BATT,SYMB	
3	991650GT	WASHER LOCK 1/2ZP		24B	230592GT	DOOR,CURBSIDE,AL4L,ENG,SYMB	
4	993860GT	WASHER,FLAT,1/2 SS 18-8 BIN		24B	230635GT	DOOR,CURBSIDE,AL4L,ENG,WORD....1	1
5	995810GT	SCREW 1/4-20NCX5/8 HW					
6	993850GT	WASHER FLAT 1/45/8 SBIN					
7	990270GT	SCREW,HHC,1/2-13 X 3.5 GR8					
8	990200GT	NUT,NYLOCK,1/2-13 GR2					
9A	230609GT	REAR PANEL,AL4L,BATT,SYMB.....1	1				
9A	230610GT	REAR PANEL,AL4L,ENG,SYMB (shown)					
10A	230585GT	DOOR, ROADSIDE,AL4L,BATT,WORD.....2	2				
--	189920GT	FOAM CABINET DOOR5430AL5/7000					
10B	230586GT	DOOR, ROADSIDE, AL4L,BATT,SYMB.....2	2				
--	189920GT	FOAM CABINET DOOR5430AL5/7000					
10C	230634GT	DOOR,ROADSIDE,AL4L,ENG,WORD					
--	189920GT	FOAM CABINET DOOR5430AL5/7000					
10D	230587GT	DOOR, ROADSIDE,AL4L,ENG,SYMB					
--	189920GT	FOAM CABINET DOOR5430AL5/7000					
11A	230595GT	SIDE PANEL,R.S.,AL4L,BATT,WORD					
11A	230596GT	SIDE PANEL,R.S.,AL4L,BATT,SYMB					
11B	230597GT	SIDE PANEL,R.S.,AL4L,ENG,WORD					
11B	230598GT	SIDE PANEL,R.S.,AL4L,ENG,SYMB					
12	824024GT	NUT,TL,1/4-20,C,ZAG					
13	993900GT	WASHER RECTANGULAR1/4					
14	990160GT	SCREW,HHC,3/8-16 X 3.75					
15	990080GT	WASHER FLAT 3/8USS ZPBIN					
16	990170GT	NUT LOCK NYLON INSERT 3/8					
17A	230605GT	FRONT PANEL,AL4L,WORD.....1 (shown)	1				
17A	230606GT	FRONT PANEL, AL4L,SYMBOL (shown)					
18A	230601GT	SIDE PANEL,CURB S.,AL4L,BATT,WORD.....1	1				
18A	230602GT	SIDE PANEL,CURB S.,AL4L,BATT,SYMB					
18B	230724GT	SIDE PANEL,CURB S.,AL4L,ENG,WORD					
18B	230776GT	SIDE PANEL,CURB S.,AL4L,ENG,SYMB					
19		Ref. FENDER (refer to 201.1)					
20	990340GT	WASHER FLAT 1/4ZPLENSETBIN					
21	993440GT	SCREW,HHC,1/4-20 X 3/4 GR2 ZP					
22	796610GT	HINGE,PIANO,1.5"W X 51.75"L.....2	2				

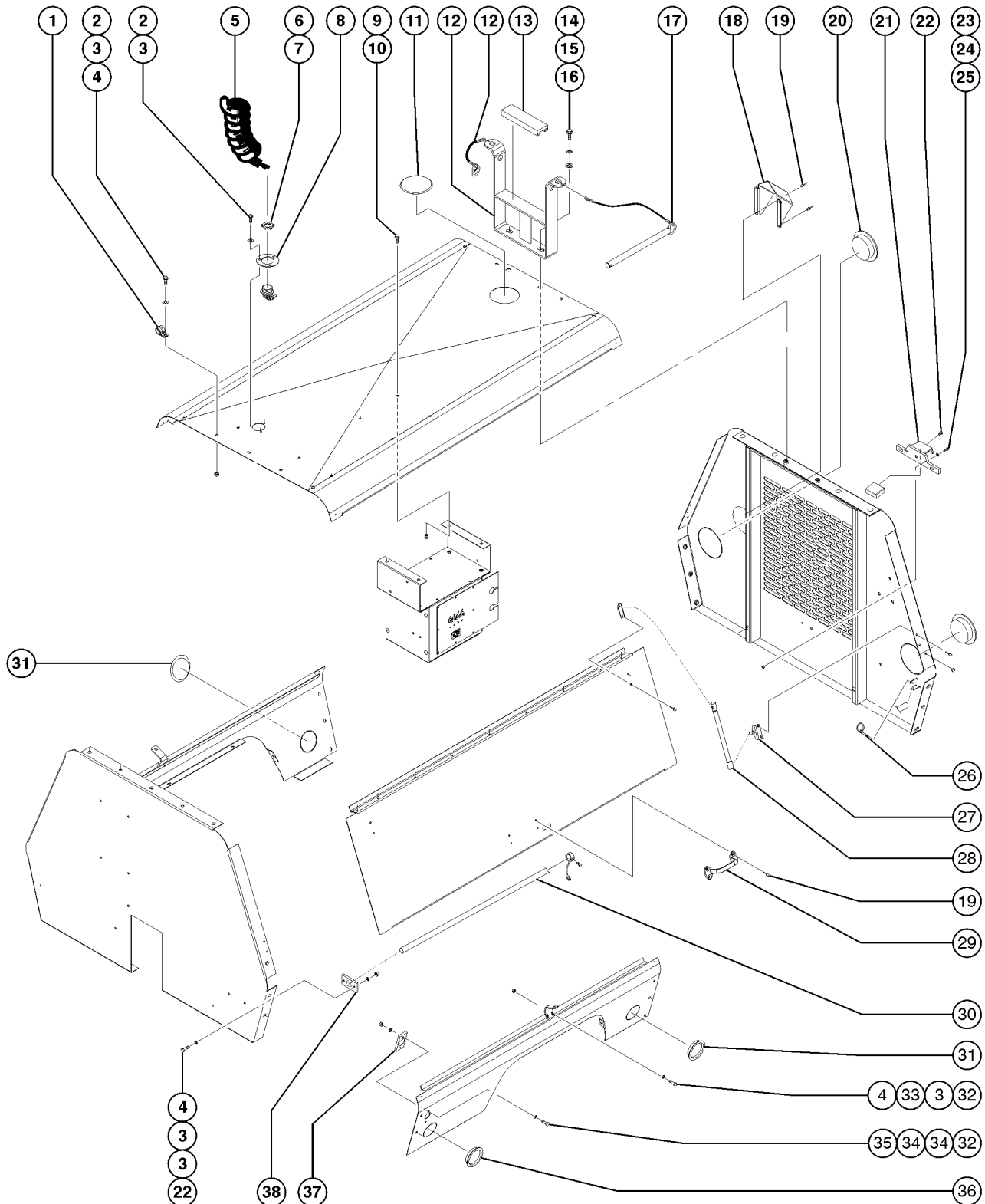
205.2 Cabinet, View 1 (from SN AL4L13-147)



205.2 Cabinet, View 1 (from SN AL4L13-147)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1A	230636GT	TOP PANEL W/DEC,AL4L,ENG,WORD.....1	1	22	237832GT	NUT,TL FLG,M8-1.25,DIN6927,10,ZAB.....16	16
1A	230637GT	TOP PANEL W/DEC,AL4L,ENG,SYMB		23	5397GT	WASHER,FLAT,USS,5/16",Y.....16	16
2	994600GT	SCREW 1/2-13NCX1-1/2H		24A	230590GT	DOOR,CURBSIDE,AL4L,BATT,WORD....1	1
3	991650GT	WASHER LOCK 1/2ZP		24A	230591GT	DOOR,CURBSIDE,AL4L,BATT,SYMB	
4	993860GT	WASHER,FLAT,1/2 SS 18-8 BIN		24B	230592GT	DOOR,CURBSIDE,AL4L,ENG,SYMB	
5	995810GT	SCREW 1/4-20NCX5/8 HW		24B	230635GT	DOOR,CURBSIDE,AL4L,ENG,WORD....1	1
6	993850GT	WASHER FLAT 1/45/8 SBIN		25	160421GT	HINGE, BUTT.....2	2
7	990270GT	SCREW,HHC,1/2-13 X 3.5 GR8					
8	990200GT	NUT,NYLOCK,1/2-13 GR2					
9A	230609GT	REAR PANEL,AL4L,BATT,SYMB.....1	1				
9A	230610GT	REAR PANEL,AL4L,ENG,SYMB (shown)					
10A	230585GT	DOOR, ROADSIDE,AL4L,BATT,WORD.....2	2				
--	189920GT	FOAM CABINET DOOR5430AL5/7000					
10B	230586GT	DOOR, ROADSIDE, AL4L,BATT,SYMB.....2	2				
--	189920GT	FOAM CABINET DOOR5430AL5/7000					
10C	230634GT	DOOR,ROADSIDE,AL4L,ENG,WORD					
--	189920GT	FOAM CABINET DOOR5430AL5/7000					
10D	230587GT	DOOR, ROADSIDE,AL4L,ENG,SYMB					
--	189920GT	FOAM CABINET DOOR5430AL5/7000					
11A	230595GT	SIDE PANEL,R.S.,AL4L,BATT,WORD					
11A	230596GT	SIDE PANEL,R.S.,AL4L,BATT,SYMB					
11B	230597GT	SIDE PANEL,R.S.,AL4L,ENG,WORD					
11B	230598GT	SIDE PANEL,R.S.,AL4L,ENG,SYMB					
12	824024GT	NUT,TL,1/4-20,C,ZAG					
13	993900GT	WASHER RECTANGULAR1/4					
14	990160GT	SCREW,HHC,3/8-16 X 3.75					
15	990080GT	WASHER FLAT 3/8USS ZPBIN					
16	990170GT	NUT LOCK NYLON INSERT 3/8					
17A	230605GT	FRONT PANEL,AL4L,WORD.....1 (shown)	1				
17A	230606GT	FRONT PANEL, AL4L,SYMBOL (shown)					
18A	230601GT	SIDE PANEL,CURB S.,AL4L,BATT,WORD.....1	1				
18A	230602GT	SIDE PANEL,CURB S.,AL4L,BATT,SYMB					
18B	230724GT	SIDE PANEL,CURB S.,AL4L,ENG,WORD					
18B	230776GT	SIDE PANEL,CURB S.,AL4L,ENG,SYMB					
19		Ref. FENDER (refer to 201.1)					
20	930950GT	WTHRSRIP, 1/4" X 1/2"W					
21	990340GT	WASHER FLAT 1/4ZPLENSETBIN					

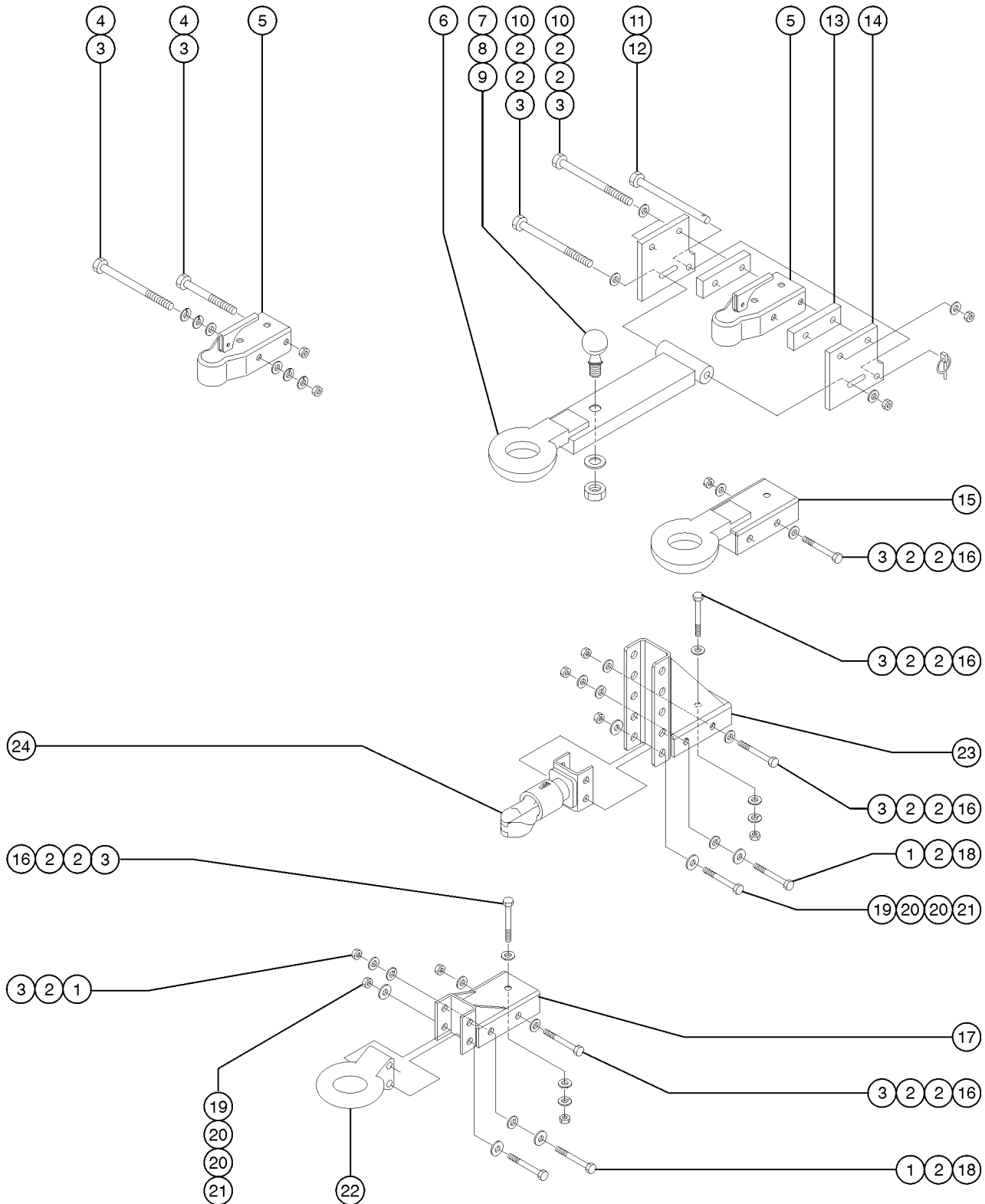
206.1 Cabinet, View 2



206.1 Cabinet, View 2

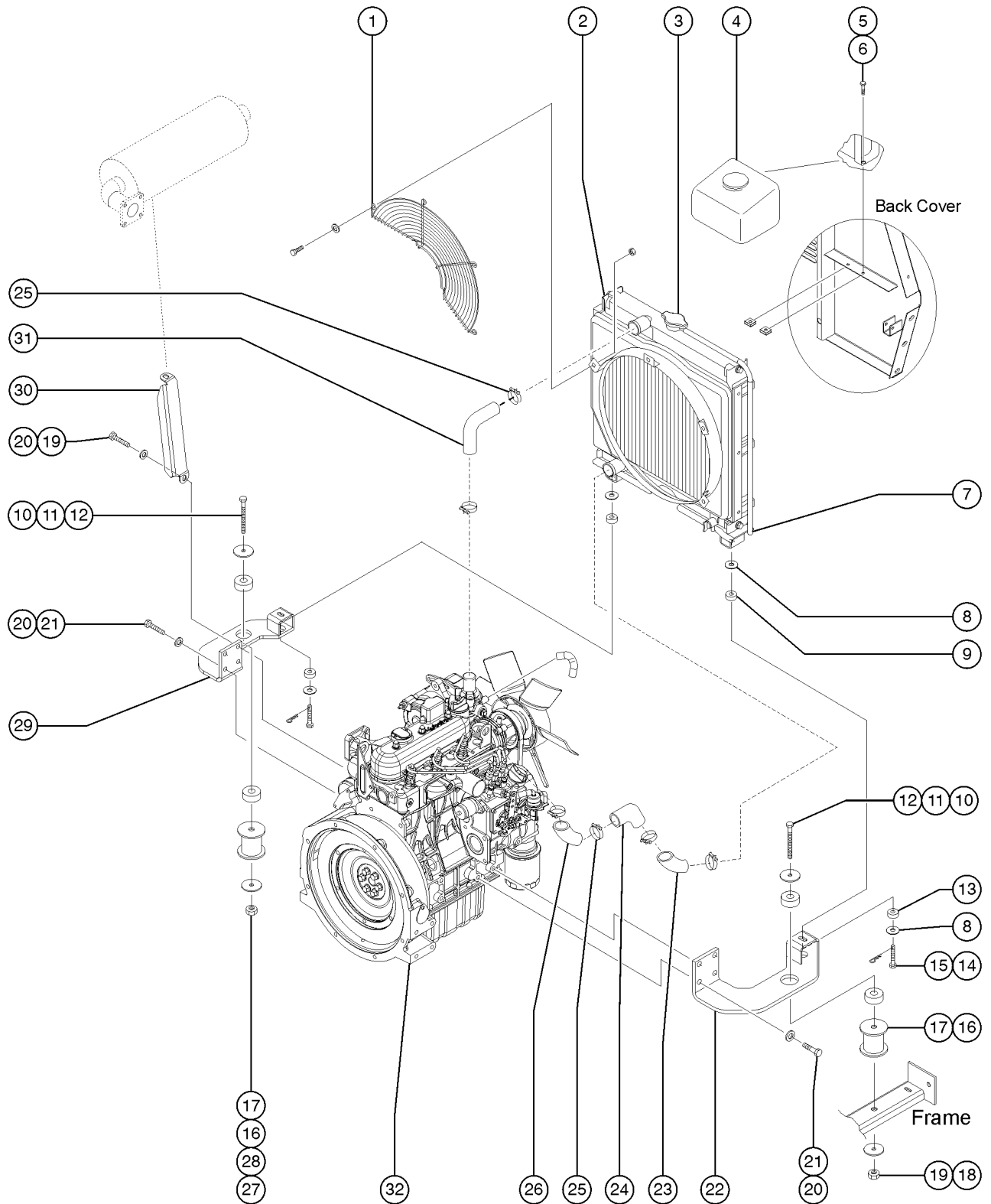
Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	Z104685GT	CLAMP 0.56 #9 X 1/2.....	1	34	993850GT	WASHER FLAT 1/45/8 SBIN.....	2
2	995810GT	SCREW 1/4-20NCX5/8 HW.....	4	35	824024GT	NUT,TL,1/4-20,C,ZAG.....	2
3	75144GT	WASHER,FLAT,SAE 1/4,ZINC.....	8	35	990150GT	NUT,NYLOCK,1/4-20 GR2.....	2
4	6091GT	NUT,NYLOCK,1/4-20.....	5	36	663527GT	LIGHT,SIDE MKR,AMBER,RECESSED.....	2
4	824024GT	NUT,TL,1/4-20,C,ZAG.....	5	37	184150GT	BUSHING,WNCH HANDL,0.5X2.0X3.5..	1
5		Ref. Coil Cord (refer to 406.1)		38	124420GT	GROUND ROD STORAGETUBE 4397...1	
6	680250GT	LOCKNUT, CONDUIT 3/4CSA APPVD...1					
7	682740GT	NIPPLE CHASE 3/4CSA APPVD.....	1				
8	CR58C012GT	COIL CORD BULKHEADPLA.....	1				
9	C51601444GT	SCREW,FLANGE,1/4-20X1/2" PATCH...4					
10	993310GT	NUTSERT,1/4-20.....	4				
11	57587GT	PLUG, 4", CAPPLUG.....	1				
12	230576GT	TRAVEL LOCK W/DECAL,ALXL,WORD.....	1				
12A	790540GT	PIN QUICK 1/4X 1.75 ZP.....	1				
13	720220GT	BUMPER REAR TOWER SUP.....	1				
14	994600GT	SCREW 1/2-13NCX1-1/2H.....	2				
15	991650GT	WASHER LOCK 1/2ZP.....	2				
16	993860GT	WASHER,FLAT,1/2 SS 18-8 BIN.....	2				
17	970805GT	KIT:SLIDE LOCK PIN.....	1				
18	116532GT	TAILPIPE COVER..... (AL5L)	1				
19	990670GT	RIVET,POP,SS,3/16"X1/2" BLIND					
20	663840GT	LIGHT,RECESSED,TAIL/STOP/TURN...2 (models with lights)					
21	663520GT	LIGHT,LICENSE TAG W/BACKET.....1 (models with license plate light)					
22	6090GT	SCREW,HHC,1/4-20 X .75.....	1				
22	824059GT	SCREW,HHC,1/4-20X.75,8,ZAG.....1 (models with license plate light)					
23	75041GT	SCREW,PHILLIPS,PHM,10-32 X 1.....	2				
24	6146GT	WASHER,FLAT,MS,#10,Y.....	2				
25	6178GT	NUT,NYLOCK,10-32.....	2				
26	790540GT	PIN QUICK 1/4X 1.75 ZP.....	1				
27	796432GT	BRACKET W/BALL,GAS SPRING.....	4				
28	796438GT	SPRING,GAS,16",80LBS.....	4				
29	790940GT	HANDLE,CHROME,5.75".....	2				
30	974685GT	KIT:GROUND ROD TO CABINET.....1 (includes ground clamp, wire, pin and fasteners)					
31	663528GT	LIGHT,SIDE MKR,RED,RECESSED					
--	794942GT	PLUG PLASTIC DOME 3".....	2				
32	6888GT	SCREW,HHC,1/4-20 X 1.....	6				
32	824060GT	SCREW,HHC,1/4-20X1,8,ZAG.....	6				
33	189796GT	HASP CABINET DOOR5584AL4/5.....	2				

207.1 Hitches



Item	Part No.	Description	Qty.
1	991650GT	WASHER LOCK 1/2ZP.....	2
2	6095GT	WASHER,FLAT,USS,1/2",Y	
3	6198GT	NUT,NYLOCK,1/2-13	
4	995310GT	SCREW,HHC,1/2-13 X 4 G.....	2
5A	57332GT	COUPLER,BALL,2" CLASS II	
5B	227082GT	COUPLER,BALL,2 5/16	
6	T109127GT	HITCH RING,COMBO,16"LENGTH.....	1
7	89163GT	BALL, 2" ZINC.....	1
8	122079GT	WASHER,FLAT,1.000,HARDENED.....	1
9	33265GT	NUT,HEX,1-8.....	1
10	1262632GT	SCREW,HHC,1/2-13 X 6 GR8 ZP.....	3
11	183731GT	SCREW,HHC,1/2-13 X 6.....	1
12	790540GT	PIN QUICK 1/4X 1.75 ZP.....	1
13	T109129GT	SPACER,SIDE,COMBO,HTCH,BOLT-ON.2	
14	176335GT	PLATE,SIDE,COMBO HITCH,BOLT-ON.....	2
15	213770GT	HITCH,RING,BOLT-ON 2.5" ID.....	1
16	13854GT	SCREW,HHC,1/2-13 X 4.5,GRD.8.....	2
17	116936GT	AS-RING HITCH MOUNT.....	1
18	6-5208-44GT	SCREW,HHC,1/2-13 X 5.5,GRD.8.....	1
19	123461GT	SCREW,HHC,5/8-11X4.50,GR8,Y.....	2
20	6035GT	WASHER,FLAT,USS,5/8",Y.....	4
21	6024GT	NUT,NYLOCK,5/8-11.....	1
22A	116937GT	HITCH,2.5"RING,6 TON.....	1
22B	T110632GT	HITCH,3"RING,6TON.....	1
23	218691GT	BRACKET ADJ HGT 6".....	1
24A	67231GT	COUPLER 2-5/16" BALL BULLDOG T....	1
24B	67230GT	COUPLER 2" BALL BULLDOG TMZ.....	1

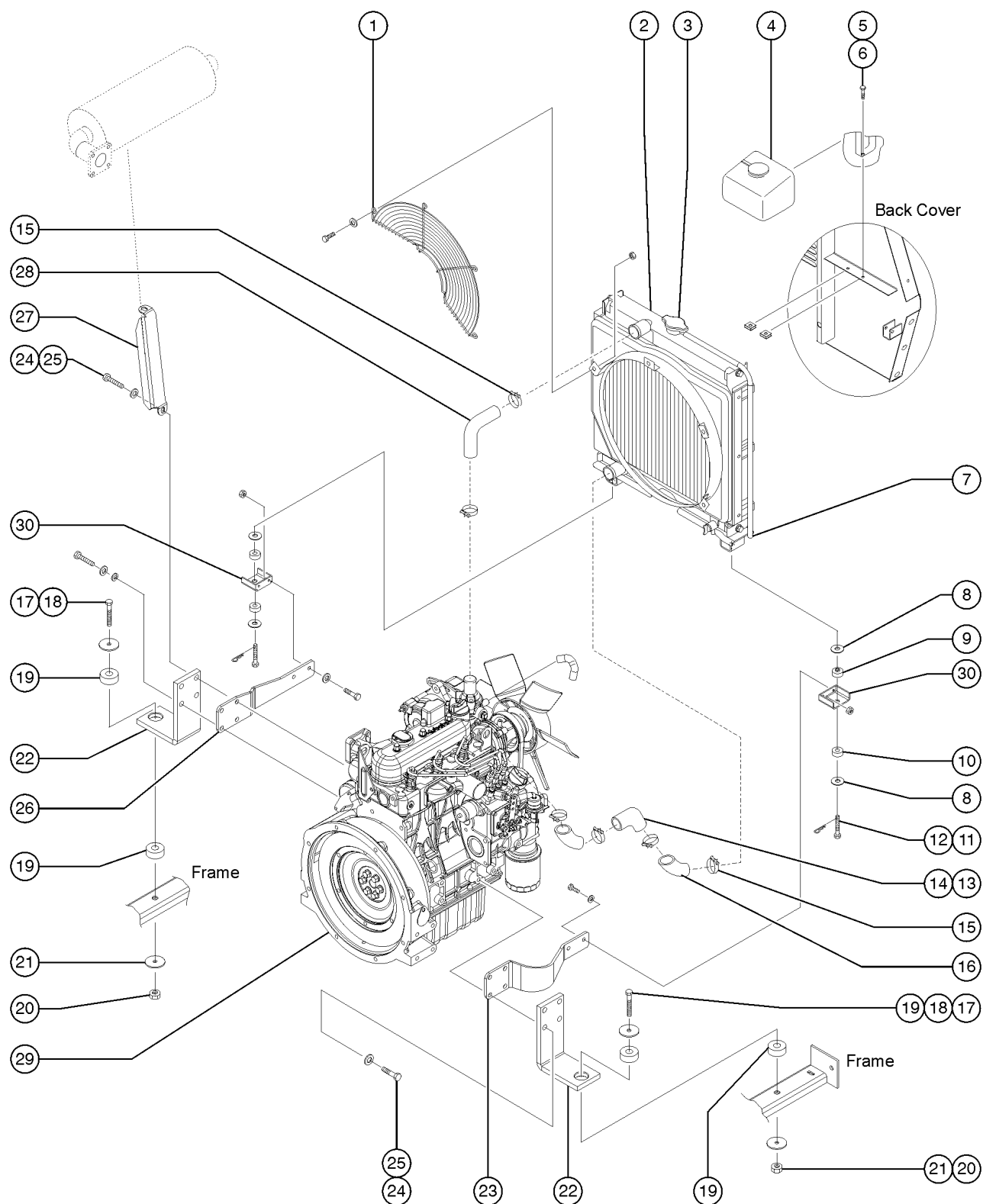
301.1 Engine, Kubota D1105-E3BG, View 1, AL4L



301.1 Engine, Kubota D1105-E3BG, View 1, AL4L

Item	Part No.	Description	Qty.
1	866113GT	GUARD,FAN,KUBOTA.....	1
2	866110GT	RADIATOR, KUBOTA, D905 & D1105.....	1
3	110523GT	CAP,RADIATOR,AL,KUBOTA DF-752.....	1
4	865307GT	TANK,RECOVERY,COOLANT,KUBOTA..	1
5	C51601442GT	SCREW FLANGE 1/4 -20X.....	2
6	C51600800GT	NUT CLIP 1/4 -20X3/4.....	2
7	890790GT	HOSE,FUEL,1/4"ID,PUSH LOK,200#..... <i>this part is sold by the foot, this application requires at least 32 inches.</i>	3
8	865263GT	KUBOTA 15111-72200 WASHER.....	1
9	865260GT	KUBOTA 15263-12370CUSHION.....	4
10	116252GT	SCREW,HHC,1/2-13X7 GR5 YEL.....	2
11	990415GT	WASHER,FLAT,SNUB 1/2X2-3/4 ZN.....	2
12	740925GT	ISOLATOR,ENGINE,30 DUR,2.5DIA.....	2
13	865261GT	KUBOTA CUSHION.....	2
14	865086GT	KUBOTA RAD ISOLATOR BOLT.....	2
15	865085GT	KUBOTA SNAP PIN.....	2
16	22124025GT	ENGINE RISER,2/75"H,FOR 1/2BLT.....	2
17	740925GT	ISOLATOR,ENGINE,30 DUR,2.5DIA.....	2
18	995110GT	SCREW,HHC,M10X1.25 X 35MM GR 8.....	2
19	994830GT	WASHER,LOCK,M10 ZP.....	2
20	995110GT	SCREW,HHC,M10X1.25 X 35MM GR 8.....	10
21	994830GT	WASHER,LOCK,M10 ZP.....	10
22	22124016GT	ENGINE FOOT/RAD SUPPORT,CURBSD.....	1
23	839110GT	HOSE,RADIATOR,LOWER,KUBOTA.....	1
24	866394GT	KUBOTA WATER PIPE.....	1
25	32185GT	CLAMP,HOSE.....	6
26	116523GT	KUBOTA HOSE,D905, D1105.....	1
27	990200GT	NUT,NYLOCK,1/2-13 GR2.....	2
28	990210GT	WASHER FLAT 1/2ZP.....	2
29	22124015GT	ENG FOOT/RAD SUPPORT, ROADSIDE.....	1
30	116733GT	MUFFLER BRACE.....	1
31	839109GT	RADIATOR HOSE,KUBOTA.....	1
32	732205PPGT	ENGINE,KUBOTA,D1105 PAK..... (AL4L)	1
--	1254824GT	FILTER,FUEL,KUBOTA,W/O BRKT.....	1

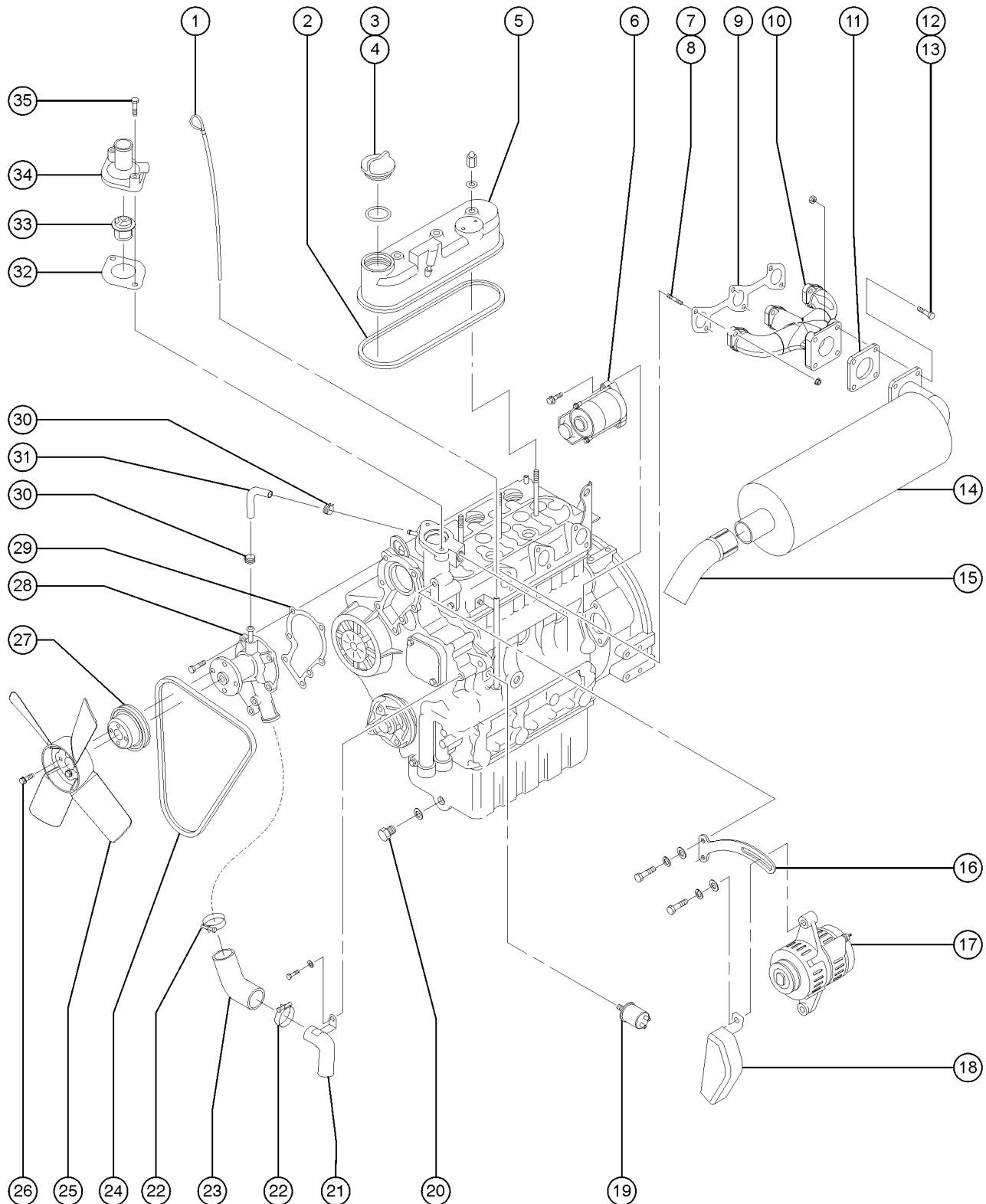
302.1 Engine, Kubota D1105-E3BG, View 1, AL5L



302.1 Engine, Kubota D1105-E3BG, View 1, AL5L

Item	Part No.	Description	Qty.
1	839131GT	KUBOTA FAN COVER.....	1
2	866110GT	RADIATOR, KUBOTA, D905 & D1105.....	1
3	110523GT	CAP,RADIATOR,AL,KUBOTA DF-752.....	1
4	865307GT	TANK,RECOVERY,COOLANT,KUBOTA..	1
5	C51601442GT	SCREW FLANGE 1/4 -20X.....	2
6	C51600800GT	NUT CLIP 1/4 -20X3/4.....	2
7	890790GT	HOSE,FUEL,1/4"ID,PUSH LOK,200#..... <i>this part is sold by the foot, this application requires at least 32 inches.</i>	3
8	865263GT	KUBOTA 15111-72200 WASHER.....	4
9	865260GT	KUBOTA 15263-12370CUSHION.....	2
10	865261GT	KUBOTA CUSHION.....	2
11	865086GT	KUBOTA RAD ISOLATOR BOLT.....	1
12	865085GT	KUBOTA SNAP PIN.....	2
13	866394GT	KUBOTA WATER PIPE.....	1
14	116523GT	KUBOTA HOSE,D905, D1105.....	1
15	32185GT	CLAMP,HOSE.....	6
16	839110GT	HOSE,RADIATOR,LOWER,KUBOTA.....	1
17	990270GT	SCREW,HHC,1/2-13 X 3.5 GR8.....	2
18	990410GT	WASHER FLAT FENDER1/2.....	2
19	740920GT	ISOLATOR,ENGINE,390LB.....	4
20	990200GT	NUT,NYLOCK,1/2-13 GR2.....	2
21	990210GT	WASHER FLAT 1/2ZP.....	2
22	189290GT	NOTOR MOUNT BRACKET,KUBOTA 905.....	2
23	52851GT	BRACKET-RADIATOR SUPRT,INBOARD.....	1
24	995110GT	SCREW,HHC,M10X1.25 X 35MM GR 8.....	8
25	994830GT	WASHER,LOCK,M10 ZP.....	8
26	52847GT	BRACKET-RADIATOR SUPRT,OUTBRD.....	1
27	116733GT	MUFFLER BRACE.....	1
28	839109GT	RADIATOR HOSE,KUBOTA.....	1
29	732200PPGT	ENGINE,KUBOTA,D1105,OLDREV,PAK (AL5L)	
30	19428-72160GT	RADIATOR BRACKET.....	2

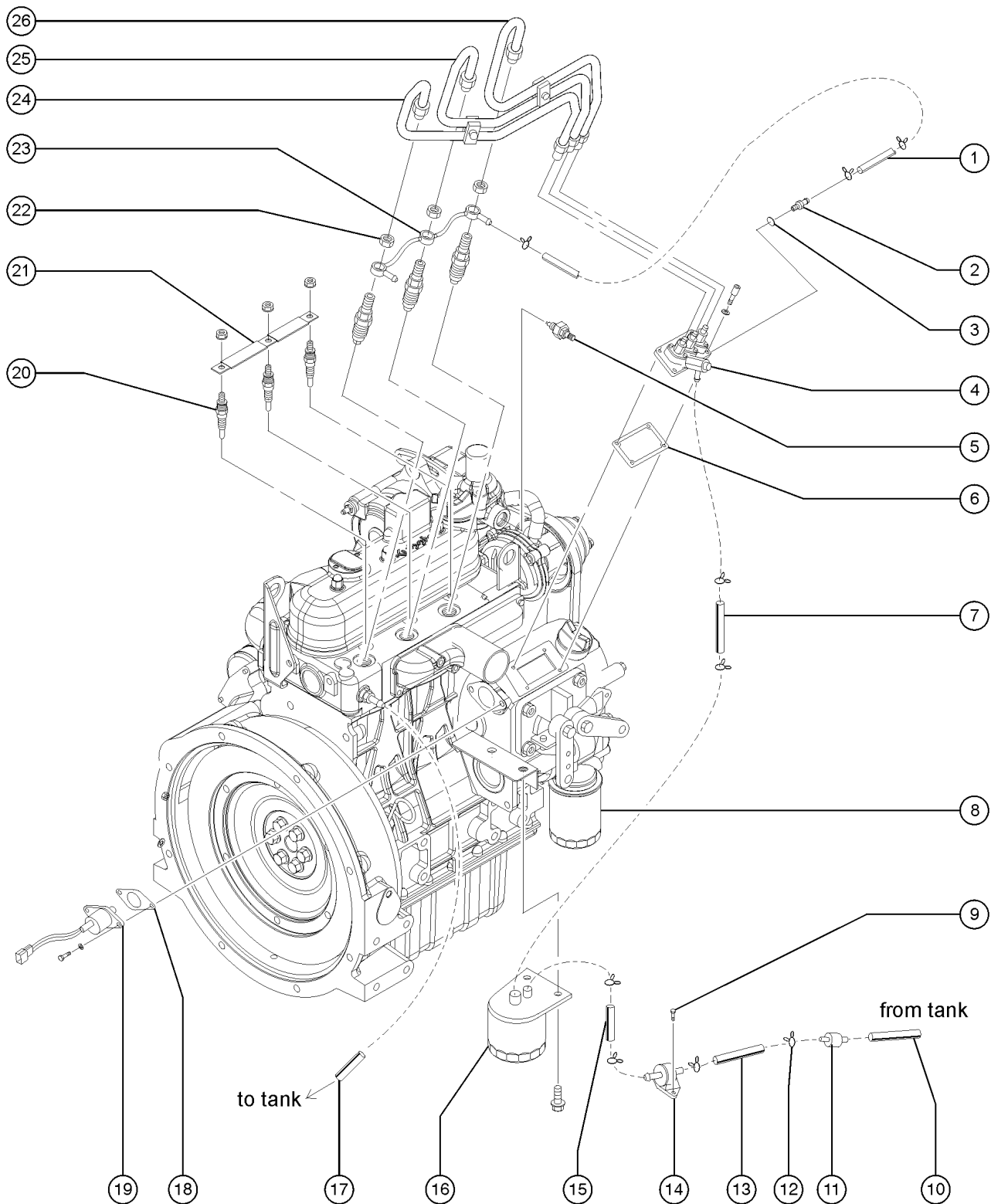
303.1 Engine, Kubota D1105-E3BG, View 2



303.1 Engine, Kubota D1105-E3BG, View 2

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	839154GT	DIPSTICK,OIL,KUBOTA		25	839134GT	FAN,PUSHER,KUBOTA 15263-12370	
2	839244GT	KUBOTA HEAD COVER GASKET		26	839027GT	KUBOTA FLANGE BOLT	
3	839151GT	KUBOTA OIL FILLER PLUG,V1305		27	52531GT	PULLEY,FAN,KUBOTA, D-905,GS68	
4	839034GT	KUBOTA O-RING		28	101201GT	WATER PUMP ASSY,KUBOTA	
5	44191GT	VALVE COVER, D905		29	32199GT	GASKET,WATER PUMP	
6	866101GT	STARTER,KUBOTA,D1105/905		29	865079GT	KUBOTA 16259-73430.....1 (water pump gasket)	
7	101208GT	STUD,EXHAUST MANIFOLD		30	32069GT	CLAMP,HOSE,KUBOTA WG750	
8	101209GT	NUT,EXHAUST MANIFOLD		31	839011GT	KUBOTA WATER PIPE 16241-73350	
9	32191GT	GASKET,EXHAUST MANIFOLD,D905		32	865435GT	KUBOTA 16221-73270GASKET	
10	839246GT	KUBOTA EXHAUST MANIFOLD		33	139278GT	THERMOSTAT	
11	832128GT	GASKET,MUFFLER,KUBOTA D905/11		34	139279GT	THERMOSTAT COVER	
12	839103GT	KUBOTA 01123-50820 BOLT		35	62296GT	SCREW,M8 X 35MM	
13	865055GT	KUBOTA NUT					
14A	231456GT	MUFFLER, KUBOTA, ASM (AL4L)					
--	865052GT	KUBOTA 01202-50612 BOLT					
--	865068GT	KUBOTA WASHER, PLAIN					
--	866825GT	KUBOTA 66711-54520COV (muffler cover)					
14B	866800GT	TAIL PIPE, KUBOTA.....1 (AL5L)					
--	866825GT	KUBOTA 66711-54520COV.....1 (muffler cover)					
15	125395GT	TAILPIPE,8K EXHAUST					
16	116833GT	KUBOTA DYNAMO STAY					
17	866090GT	ALTERNATOR,KUBOTA*					
18	866081GT	KUBOTA BELT COVER					
19	839190GT	SWITCH,LOW OIL PRESS,KUBOTA					
20	52532GT	PLUG,ENGINE OIL DRAIN,D-905***					
--	52533GT	GASKET (52532) OIL DRAIN, D905					
--	897110GT	HOSE,OIL,3/8 0250PS1 (drain hose)					
20A	52532GT	PLUG,ENGINE OIL DRAIN,D-905***.....11 bottom of oil pan (not shown)					
20A	52533GT	GASKET (52532) OIL DRAIN, D905.....11 for 52532GT					
20B	234842GT	PLUG, ENGINE OIL, D1105.....1 bottom of oil pan (not shown)					
20B	84042GT	GASKET-DRAIN PLUG,ENG OIL PAN....1 for 234842GT					
20C	897110GT	HOSE,OIL,3/8 0250PS1.....1 (drain hose)					
21	116523GT	KUBOTA HOSE,D905, D1105					
22	32185GT	CLAMP,HOSE					
23	866394GT	KUBOTA WATER PIPE					
24	839209GT	V-BELT,KUBOTA					

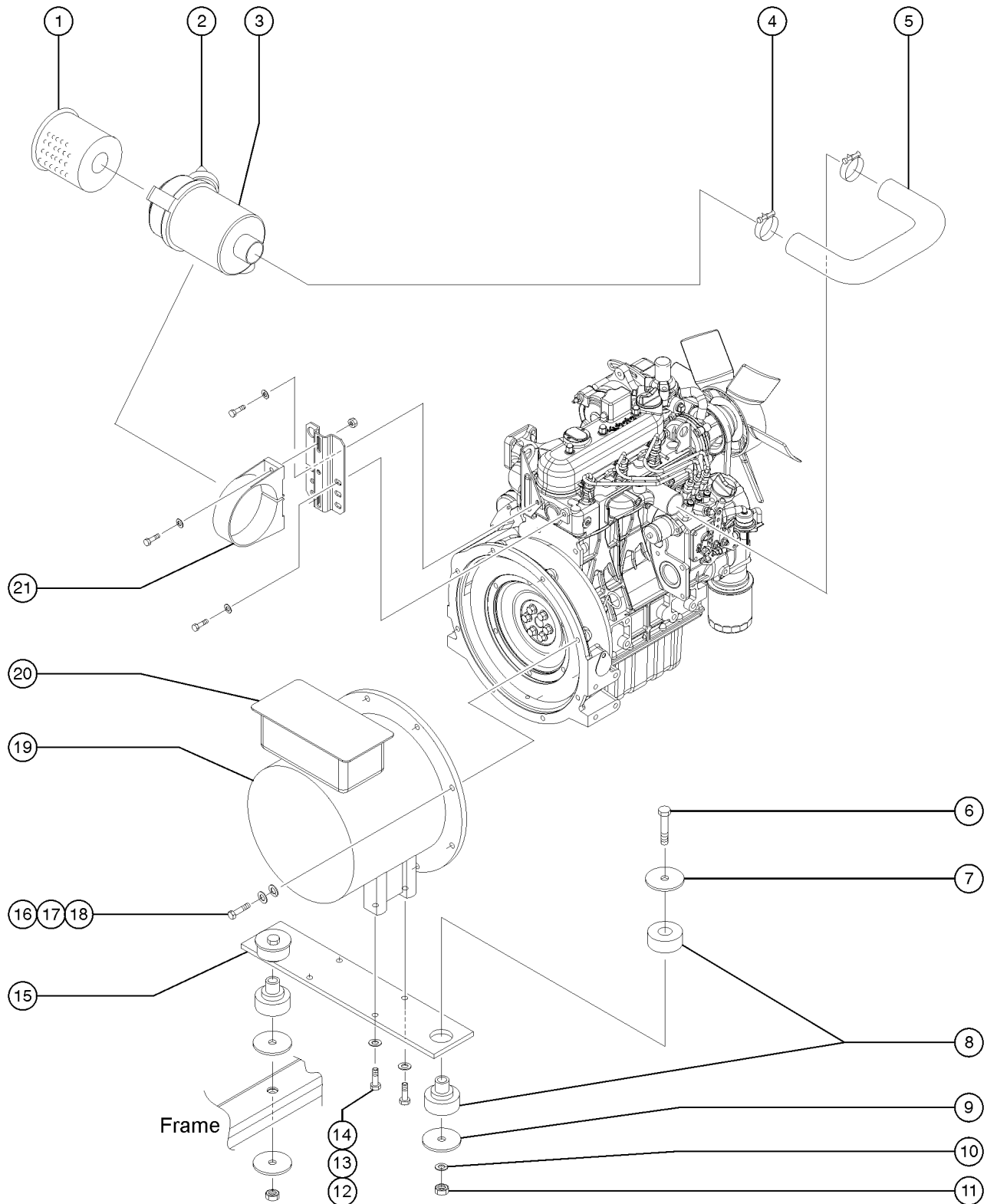
304.1 Engine, Kubota D1105-E3BG, View 3



304.1 Engine, Kubota D1105-E3BG, View 3

Item	Part No.	Description	Qty.
1	839157GT	KUBOTA OVERFLOW PIPE.....	1
2	62119GT	SCREW-AIR BREATHER, D905.....	1
3	44181GT	GASKET,VALVE COVER CAP, WG750.....	1
4	839149GT	KUBOTA INJECTOR PUMP, D1105.....	1
5	741140GT	ENGINE ACCESSORY TEMP SENDER.....	1
6	32103GT	GASKET,INJECTION PUMP (quantities vary)	
7	890795GT	HOSE,FUEL,5/16"ID.....	1.5-feet
8	866050GT	FILTER,OIL,KUBOTA.....	1
9	995810GT	SCREW 1/4-20NCX5/8 HW.....	2
10	890795GT	HOSE,FUEL,5/16"ID.....	6-inches
11	740620GT	FILTER,IN-LINE,FUEL,5/16".....	1
12	898590GT	HOSE FITTING PIPE/BAR	
13	890795GT	HOSE,FUEL,5/16"ID.....	1-feet
14	660320GT	PUMP,FUEL, 12VDC.....	1
15	890795GT	HOSE,FUEL,5/16"ID.....	2-feet
16	839107GT	FILTER,FUEL,KUBOTA.....	1
--	839200GT	ELEMENT,FUEL FILTER,KUBOTA for 839107GT	
16A	1274237GT	BRACKET, FUEL FILTER..... filter mount bracket	1
17	890785GT	HOSE,FUEL,1/8"ID.....	3.5-feet
18	866040GT	GASKET,SOLENOID,KUBOTA.....	1
19	99199GT	SOLENOID,KUBOTA D9/1105 SHTDWN.....	1
20	839119GT	KUBOTA GLOW PLUG.....	3
21	62118GT	JUMPER-GLOW PLUG.....	1
22	865257GT	KUBOTA KIT, HOLDER,NOZZLE.....	3
23	865100GT	KUBOTA OVER FLOW PIPE.....	1
24	44196GT	PIPE,INJECTOR 1,D905,D1105.....	1
25	44197GT	PIPE,INJECTOR 2,D905,D1105.....	1
26	44198GT	PIPE,INJECTOR 3,D905,D1105.....	1

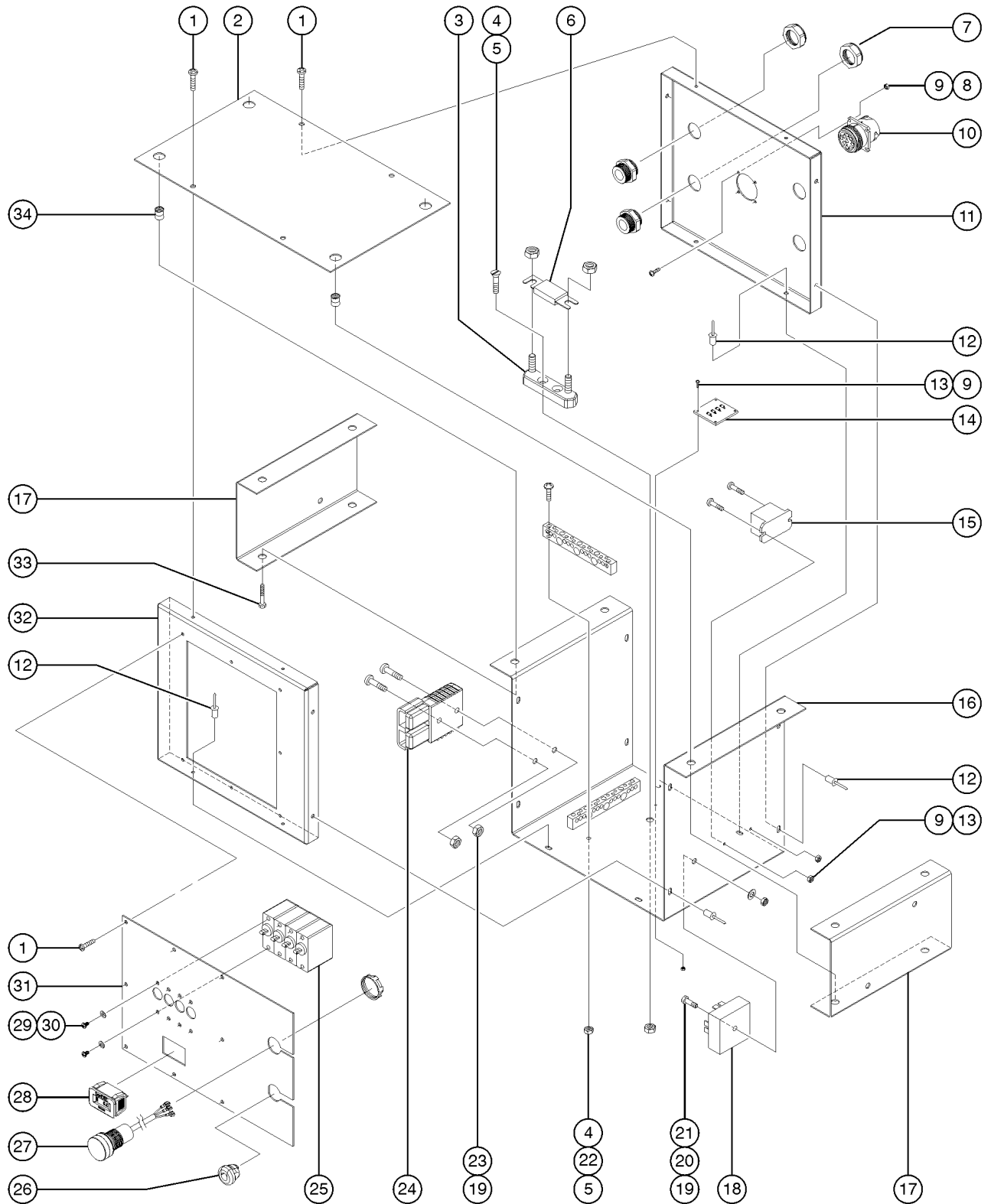
305.1 Engine, Kubota D1105-E3BG, View 4



305.1 Engine, Kubota D1105-E3BG, View 4

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
A	1277953GT	TERMINAL BLOCK,MARATHON GENERATOR(85206)		--	116178GT	HUB SPACER (engine end)	
1	866127GT	ELEMENT,AIR CLEANER,KUBOTA.....1		--	836853GT	DIODE,MARATHON (opposite engine end)	
2	866129GT	VALVE,AIR CLEANER,KUBOTA.....1		--	836856GT	MARATHON SUPPRESSOR/VARISTOR (opposite engine end)	
3	866126GT	BODY,AIR CLEANER,KUBOTA.....1		20A	58356GT	CAPACITOR-ROUND 25MF (AL4L)	
3	866128GT	COVER,AIR CLEANER,KUBOTA		20B	229457GT	CAPACITOR, 8KW GENERATOR,5420 (AL5L)	
3A	866126GT	BODY,AIR CLEANER,KUBOTA.....1		21	231333GT	AIR CLEANER BRACKET, D1105.....1	
3B	866128GT	COVER,AIR CLEANER,KUBOTA.....1					
4	839049GT	KUBOTA 15263-12370BAND PIPE.....2					
5	231332GT	HOSE, INTAKE, KUBOTA D1105.....1					
6	995310GT	SCREW,HHC,1/2-13 X 4 G.....2					
7	990415GT	WASHER,FLAT,SNUB 1/2X2-3/4 ZN.....2					
8	80379GT	ISOLATOR, ENGINE MOUNT.....2					
9	990415GT	WASHER,FLAT,SNUB 1/2X2-3/4 ZN.....2					
10	991650GT	WASHER LOCK 1/2ZP.....2					
11	990200GT	NUT,NYLOCK,1/2-13 GR2.....2					
12	981480GT	SCREW,HHC,3/8-16 X 1.5.....4					
13	990470GT	WASHER LOCK 3/8ZP.....4					
14	54355GT	WASHER,FLAT,SAE,3/8",Y.....4					
15A	189347GT	BRACKET,GENERATOR MOUNT.....1 (AL4L)					
15B	116244GT	FP-GEN MNT BAR,MAR SM HOLES (AL5L)					
16	981460GT	SCREW 3/8-16NCX1-1/4H.....8					
17	R980015GT	WASHER FLAT 3/8 S/S 18/-8 BIN.....8					
18	990470GT	WASHER LOCK 3/8ZP.....8					
19A	85206GT	GENERATOR,6KVA,240VAC,60HZ.....1 (AL4L)					
--	116168GT	BEARING, ODE (opposite engine end)					
--	116172GT	O-RING (opposite engine end)					
--	116177GT	DRIVE DISC(C-107) MARATHON (engine end)					
--	116178GT	HUB SPACER (engine end)					
--	836853GT	DIODE,MARATHON (opposite engine end)					
--	836856GT	MARATHON SUPPRESSOR/VARISTOR (opposite engine end)					
19B	116253GT	GENERATOR,8KW,240V,60HZ,MAR.....1 (AL5L)					
--	116168GT	BEARING, ODE (opposite engine end)					
--	116172GT	O-RING (opposite engine end)					
--	116177GT	DRIVE DISC(C-107) MARATHON (engine end)					

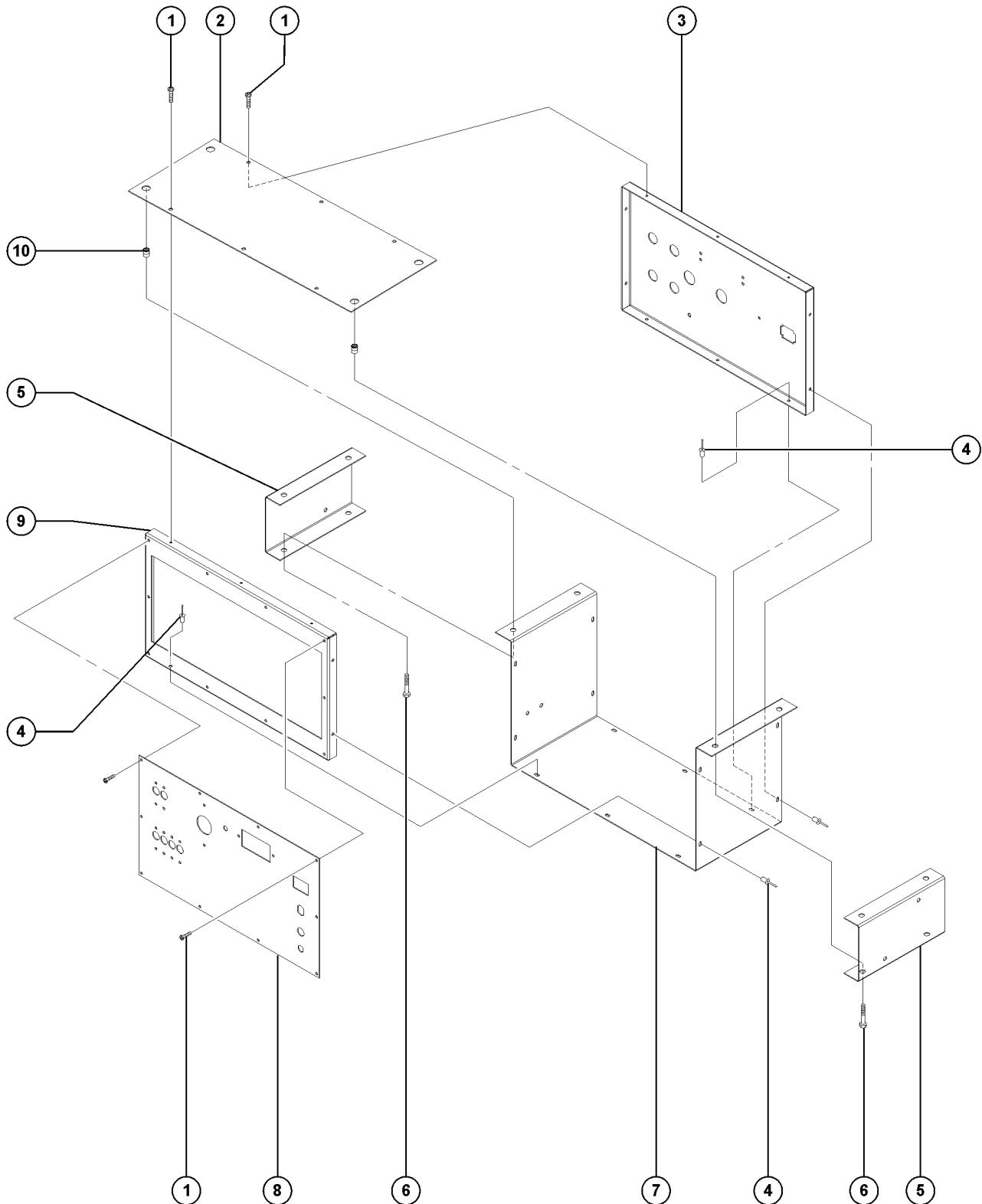
401.1 Control Box, AL4L With Battery



401.1 Control Box, AL4L With Battery

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	228428GT	ELEC BOX, BATTERY,SYMB, AL4L <i>(includes charger cord and wiring kits)</i>		34	993310GT	NUTSERT,1/4-20	
--	230404GT	WIRING KIT, AL4L CONT BOX DC					
--	230405GT	WIRING KIT,ALXL,TIME CIRCUIT <i>(battery charger cord assembly) (AL4L with battery)</i>					
1	996340GT	SCREW,PHM,10-16 X 3/4					
2	186543GT	FP-CONTROL BOX,TOP.....1	1				
3	66717GT	FUSE BLOCK, ANN & ANL FUSE.....1	1				
4	49821GT	SCREW,PHILLIPS,PHM,8-32 X 1.25.....2	2				
5	18605GT	NUT,NYLOCK,8-32.....2	2				
6	36372GT	FUSE,50 AMP,VERY FAST ACTING.....1	1				
7	228425GT	STRAIN RELIEF, 1/2".....4	4				
8	40766GT	NUT,NYLOCK,4-40.....4	4				
9	55306GT	SCREW,PHILLIPS,PHM,4-40 X .50.....4	4				
10	822809GT	KIT, COIL CORD HW.....1 <i>kit 822809 removes the Deutsch connector and hard wires the connection to the coil cord.</i>	1				
11	228415GT	FORMING, CONT BOX REAR AL4L.....1	1				
12	990670GT	RIVET,POP,SS,3/16"X1/2" BLIND					
13	40766GT	NUT,NYLOCK,4-40.....6	6				
14	228427GT	DIODE RECTIFIER ASSEMBLY.....1	1				
15	229825GT	RELAY,120V/120V 30A.....1	1				
16	186540GT	BASE,CONTROL BOX,AL4 CONS.....1	1				
17	186544GT	BRACKET,E-BOX,AUTOSTART,AL4.....2	2				
18	229824GT	TIMER,REPEAT,48V/120V 5H/15M.....1	1				
19	8915GT	SCREW,HHC,1/4-20 X 1.25.....1	1				
20	6638GT	WASHER,FLAT,USS,1/4"Y.....1	1				
21	824024GT	NUT,TL,1/4-20,C,ZAG.....1	1				
22	228424GT	INSULATED NEUTRAL KIT.....2	2				
23	66081GT	SCREW,RHM,1/4-20 X 1.50					
24	19436GT	CONNECTOR,ANDERSON SB 175,1/0G.....1	1				
25	228411GT	BREAKER, DC, 5A INSTANTANEOUS....4	4				
26	128118GT	BUSHING,STRAIN RELIEF,.875/.40.....1	1				
27	228973GT	KIT,ASSY,LED,IES CHARGER.....1	1				
--	229623GT	INSTRUCTIONS,IES CHARGER					
--	230759GT	ASSY,IES CHARGER LED					
28	T106193GT	HOURLY METER,DIGITAL,RECTANGULAR.1	1				
29	995300GT	SCREW,PHM,6-32 X .25.....4	4				
30	994420GT	WASHER,LOCK,#6 SS.....4	4				
31	230616GT	FACE PLATE W/DECAL,AL4L,BATT					
32	228414GT	FORMING, CONT BOX FRONT AL4L.....1	1				
33	995810GT	SCREW 1/4-20NCX5/8 HW					

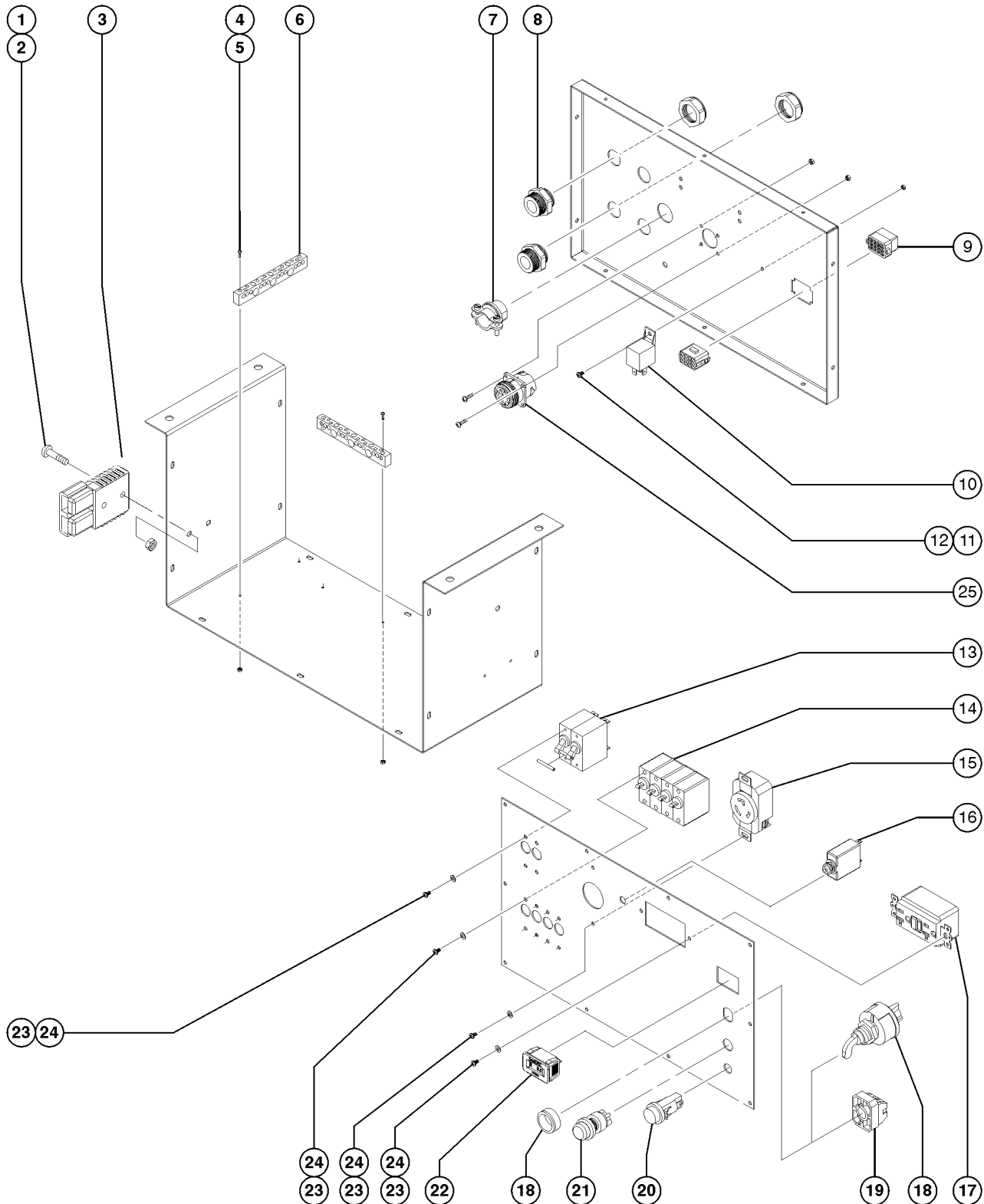
402.1 Control Box, AL4L With Engine, View 1



402.1 Control Box, AL4L With Engine, View 1

Item	Part No.	Description	Qty.
1	996340GT	SCREW,PHM,10-16 X 3/4.....	16
2	228420GT	FORMING, CONT BOX TOP AL4/5L.....	1
3	228418GT	FORMING, CONT BOX REAR AL4/5L.....	1
4	990670GT	RIVET,POP,SS,3/16"X1/2" BLIND.....	14
5	186554GT	BRACKET,E-BOX,AUTOSTART,AL4.....	2
6	995810GT	SCREW 1/4-20NCX5/8 HW.....	4
7	228419GT	FORMING, CONT BOX BODY AL4/5L.....	1
8	230617GT	FACE PLATE W/DECAL,AL4L,ENG.....	1
9	228417GT	FORMING, CONT BOX FRONT AL4/5L.....	1
10	993310GT	NUTSERT,1/4-20.....	4

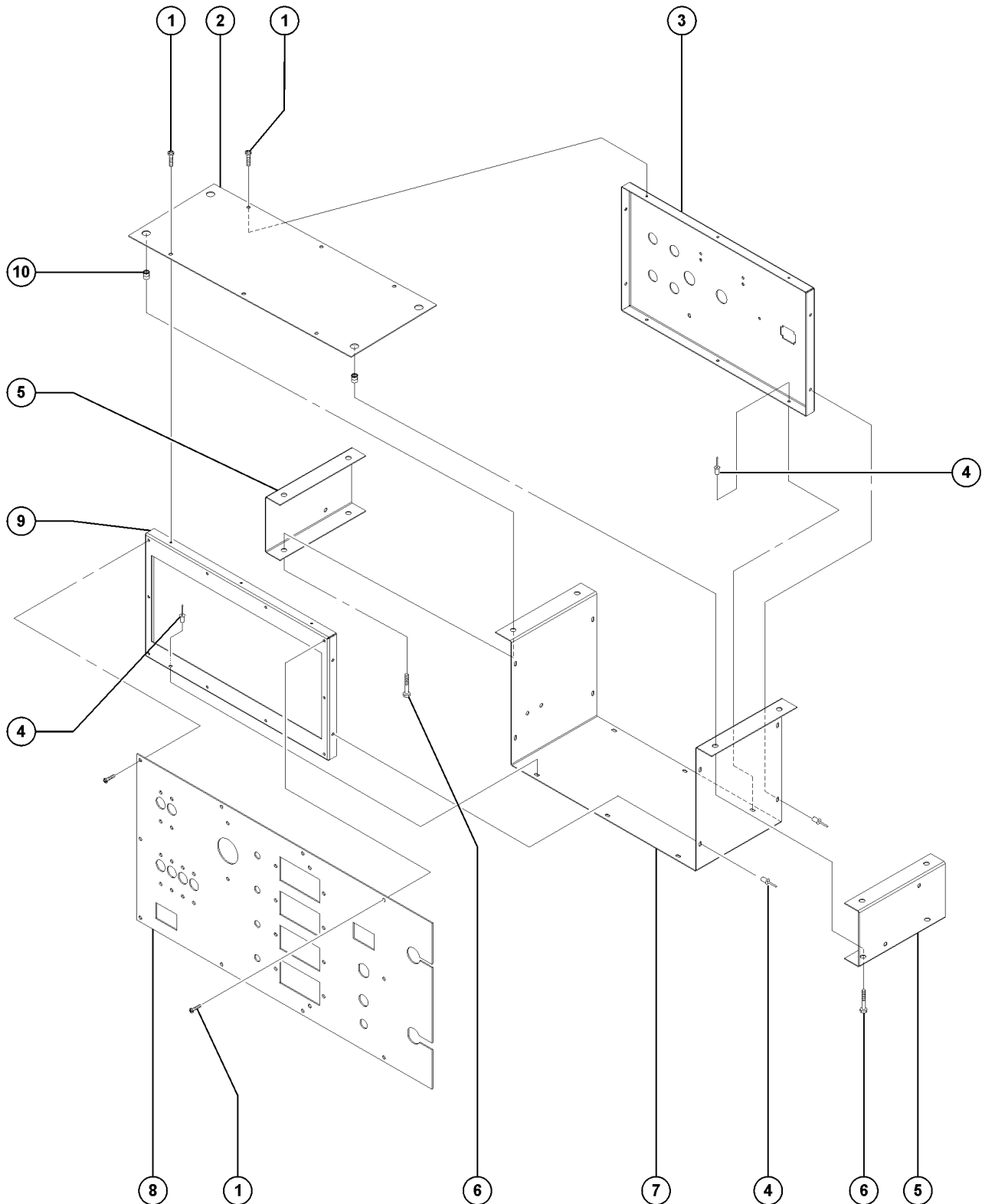
403.1 Control Box, AL4L With Engine, View 2



403.1 Control Box, AL4L With Engine, View 2

Item	Part No.	Description	Qty.
--	228429GT	ELEC BOX, GENERATOR,SYMB, AL4L <i>(includes charger cord and wiring kit)</i>	
--	230402GT	WIRING KIT,AL5L,CONT BOX,DC	
1	66081GT	SCREW,RHM,1/4-20 X 1.50.....	2
2	824024GT	NUT,TL,1/4-20,C,ZAG.....	2
3	19436GT	CONNECTOR,ANDERSON SB 175,1/0G.....	1
4	49821GT	SCREW,PHILLIPS,PHM,8-32 X 1.25.....	4
5	18605GT	NUT,NYLOCK,8-32.....	4
6	228424GT	INSULATED NEUTRAL KIT.....	2
7	680030GT	CONNECTOR 2 SCREW 3/4.....	2
8	228425GT	STRAIN RELIEF, 1/2".....	4
9	116820GT	WIRE HARN,ENG,KUBOTA,DC,2006..... <i>(to engine, includes 12 pin connector)</i>	1
9A	116815GT	WIRE HARN,DC,IN CTRL BOX,2006 <i>(to control box, includes 12 pin connector)</i>	
10	R661490GT	RELAY 12V DC 30A NO OR.....	1
11	55306GT	SCREW,PHILLIPS,PHM,4-40 X .50.....	3
12	40766GT	NUT,NYLOCK,4-40.....	3
13	T113644GT	BREAKER,30A 250VAC 2P,CSA.....	1
--	T113641GT	BREAKER,15A,120VAC 1P,CSA.....	2
14	228411GT	BREAKER, DC, 5A INSTANTANEOUS....	4
15	684450GT	RECEP 30A 20V 3POLE.....	1
15B	232850GT	PLUG,30A TWIST LOCK 3 PRONG <i>plug for 684450GT</i>	
16	T113642GT	BREAKER,20A MINI,120VAC 1P,CSA.....	1
17	684640GT	RECEPTACLE 20A 120V DUPLEX GFI.....	1
18	684380GT	IGNITION SWITCH,LEVER OPR.....	1
19	116062GT	IGNITION SWITCH KIT.....	1
--	66816GT	CONTACT,N.O.***	
--	66818GT	CONTACT, N.C.	
20	682715GT	LIGHT INDICATOR 12VRED.....	1
21	R660010GT	SWITCH PUSH-BUTTON W/BOOT.....	1
22	T106193GT	HOURLMETER,DIGITAL,RECTANGULAR.	1
23	995300GT	SCREW,PHM,6-32 X .25	
24	994420GT	WASHER,LOCK,#6 SS	
25	822809GT	KIT, COIL CORD HW..... <i>kit 822809GT removes the Deutsch connector and hard wires the connection to the coil cord.</i>	1

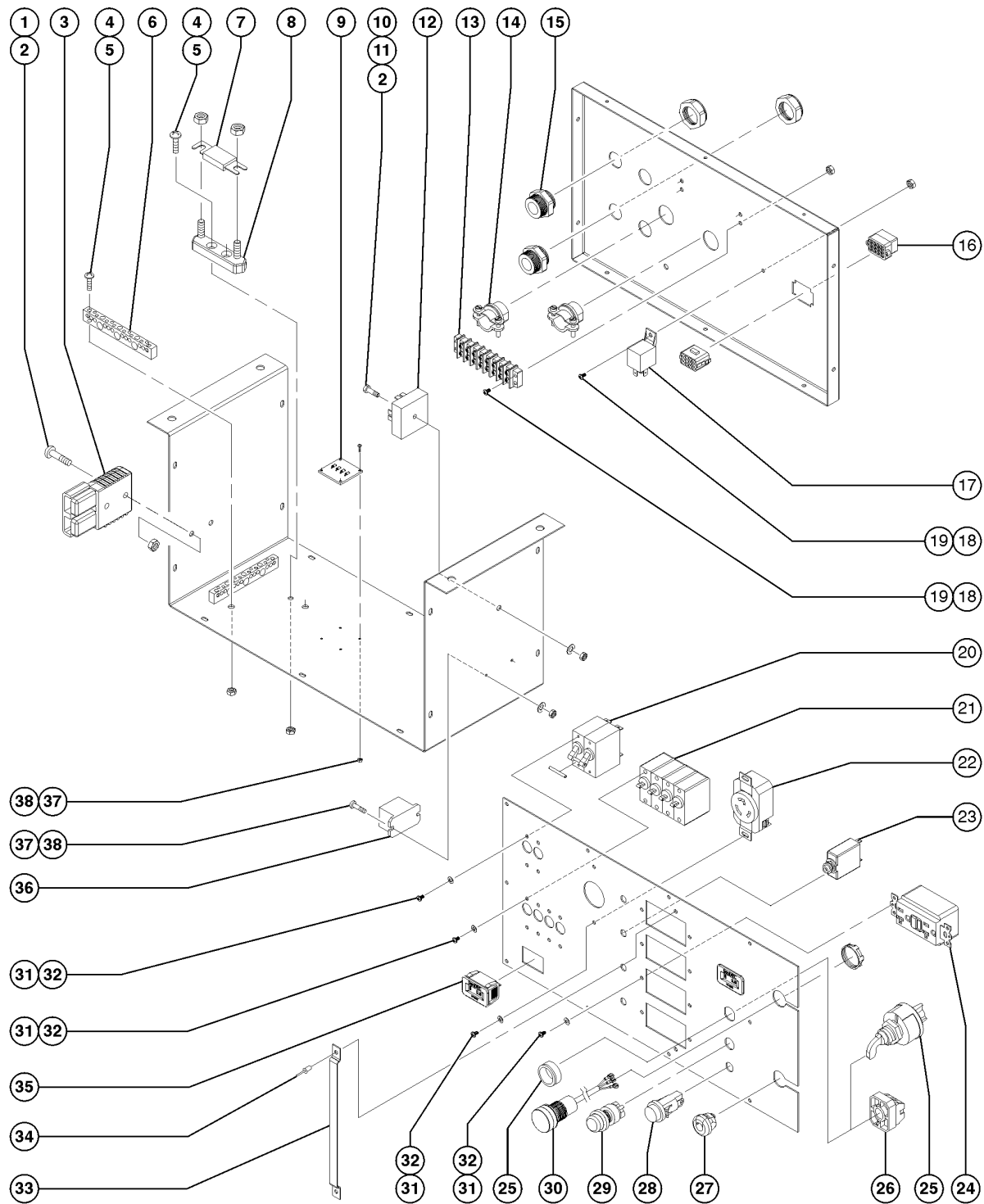
404.1 Control Box, AL5L, View 1



404.1 Control Box, AL5L, View 1

Item	Part No.	Description	Qty.
1	996340GT	SCREW,PHM,10-16 X 3/4.....	16
2	228420GT	FORMING, CONT BOX TOP AL4/5L.....	1
3	228418GT	FORMING, CONT BOX REAR AL4/5L.....	1
4	990670GT	RIVET,POP,SS,3/16"X1/2" BLIND	
5	186554GT	BRACKET,E-BOX,AUTOSTART,AL4.....	2
6	995810GT	SCREW 1/4-20NCX5/8 HW.....	4
7	228419GT	FORMING, CONT BOX BODY AL4/5L.....	1
8	230618GT	FACE PLATE W/DECAL,AL5L.....	1
9	228417GT	FORMING, CONT BOX FRONT AL4/5L.....	1
10	993310GT	NUTSERT,1/4-20.....	4

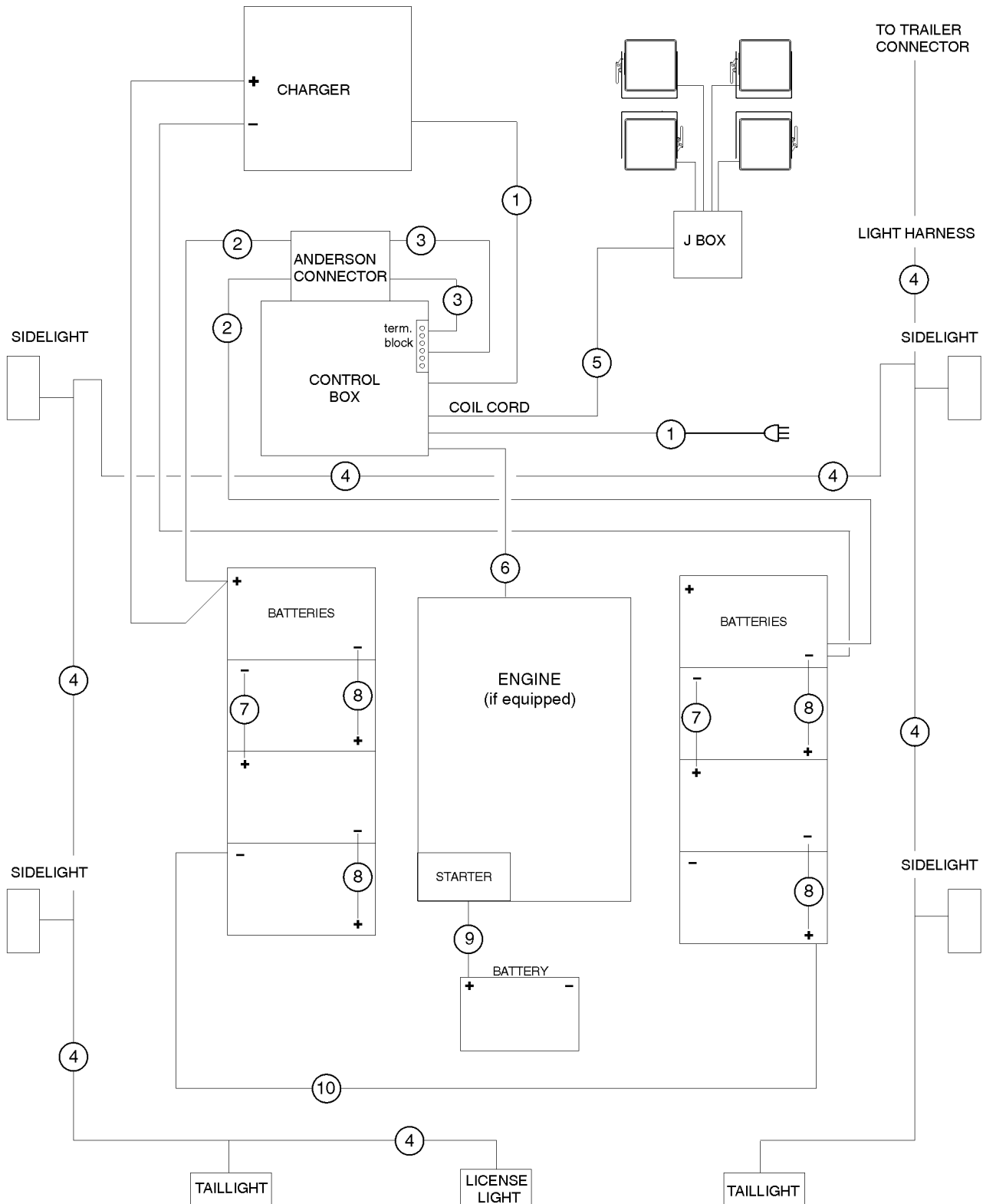
405.1 Control Box, AL5L, View 2



405.1 Control Box, AL5L, View 2

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	228430GT	ELEC BOX, SYMB, AL5L <i>(includes charger cord and wiring kits)</i>		30	228973GT	KIT,ASSY,LED,IES CHARGER.....	1
--	230402GT	WIRING KIT,AL5L,CONT BOX,DC		--	229623GT	INSTRUCTIONS,IES CHARGER	
--	230403GT	WIRING KIT, AL5L CONT BOX, GFI		--	230759GT	ASSY,IES CHARGER LED	
--	230405GT	WIRING KIT,ALXL,TIME CIRCUIT <i>(battery charger cord assembly) (AL5L)</i>		31	995300GT	SCREW,PHM,6-32 X .25.....	20
1	66081GT	SCREW,RHM,1/4-20 X 1.50.....	2	32	994420GT	WASHER,LOCK,#6 SS.....	20
2	6091GT	NUT,NYLOCK,1/4-20.....	3	33	229444GT	FORMING, CONT BOX DUPLEX COVER.....	1
3	19436GT	CONNECTOR,ANDERSON SB 175,1/0G.....	1	34	990670GT	RIVET,POP,SS,3/16"X1/2" BLIND.....	2
4	49821GT	SCREW,PHILLIPS,PHM,8-32 X 1.25.....	2	35	T106193GT	HOURLMETER,DIGITAL,RECTANGULAR.	2
5	18605GT	NUT,NYLOCK,8-32.....	3	36	229825GT	RELAY,120V/120V 30A.....	1
6	228424GT	INSULATED NEUTRAL KIT.....	2	37	55306GT	SCREW,PHILLIPS,PHM,4-40 X .50.....	2
7	36372GT	FUSE,50 AMP,VERY FAST ACTING.....	1	38	40766GT	NUT,NYLOCK,4-40.....	2
8	66717GT	FUSE BLOCK, ANN & ANL FUSE.....	1				
9	228427GT	DIODE RECTIFIER ASSEMBLY.....	1				
10	8915GT	SCREW,HHC,1/4-20 X 1.25.....	1				
11	6638GT	WASHER,FLAT,USS,1/4"Y.....	1				
12	229824GT	TIMER,REPEAT,48V/120V 5H/15M.....	1				
13	686000GT	TERMINAL STRIP 8 POLE.....	1				
14	680030GT	CONNECTOR 2 SCREW 3/4.....	2				
15	228425GT	STRAIN RELIEF, 1/2".....	4				
16A	116820GT	WIRE HARN,ENG,KUBOTA,DC,2006..... <i>(to engine, includes 12 pin connector)</i>	1				
16B	116815GT	WIRE HARN,DC,IN CTRL BOX,2006..... <i>(to control box, includes 12 pin connector)</i>	1				
17	R661490GT	RELAY 12V DC 30A NO OR.....	1				
18	55906GT	SCREW,PHILLIPS,PHM,8-32 X .5.....	3				
19	49779GT	NUT,LOCK,8-32.....	2				
20	T113644GT	BREAKER,30A 250VAC 2P,CSA.....	1				
--	T113641GT	BREAKER,15A,120VAC 1P,CSA.....	2				
21	228411GT	BREAKER, DC, 5A INSTANTANEOUS....	4				
22	684450GT	RECEP 30A 20V 3POLE.....	1				
22B	232850GT	PLUG,30A TWIST LOCK 3 PRONG <i>plug for 684450GT</i>					
23	T113642GT	BREAKER,20A MINI,120VAC 1P,CSA.....	1				
24	684640GT	RECEPTACLE 20A 120V DUPLEX GFI.....	1				
25	684380GT	IGNITION SWITCH,LEVER OPR.....	1				
26	116062GT	IGNITION SWITCH KIT.....	1				
--	66816GT	CONTACT,N.O.***					
--	66818GT	CONTACT, N.C.					
27	128118GT	BUSHING,STRAIN RELIEF,.875/.40.....	1				
28	682715GT	LIGHT INDICATOR 12VRED.....	1				
29	R660010GT	SWITCH PUSH-BUTTON W/BOOT.....	1				

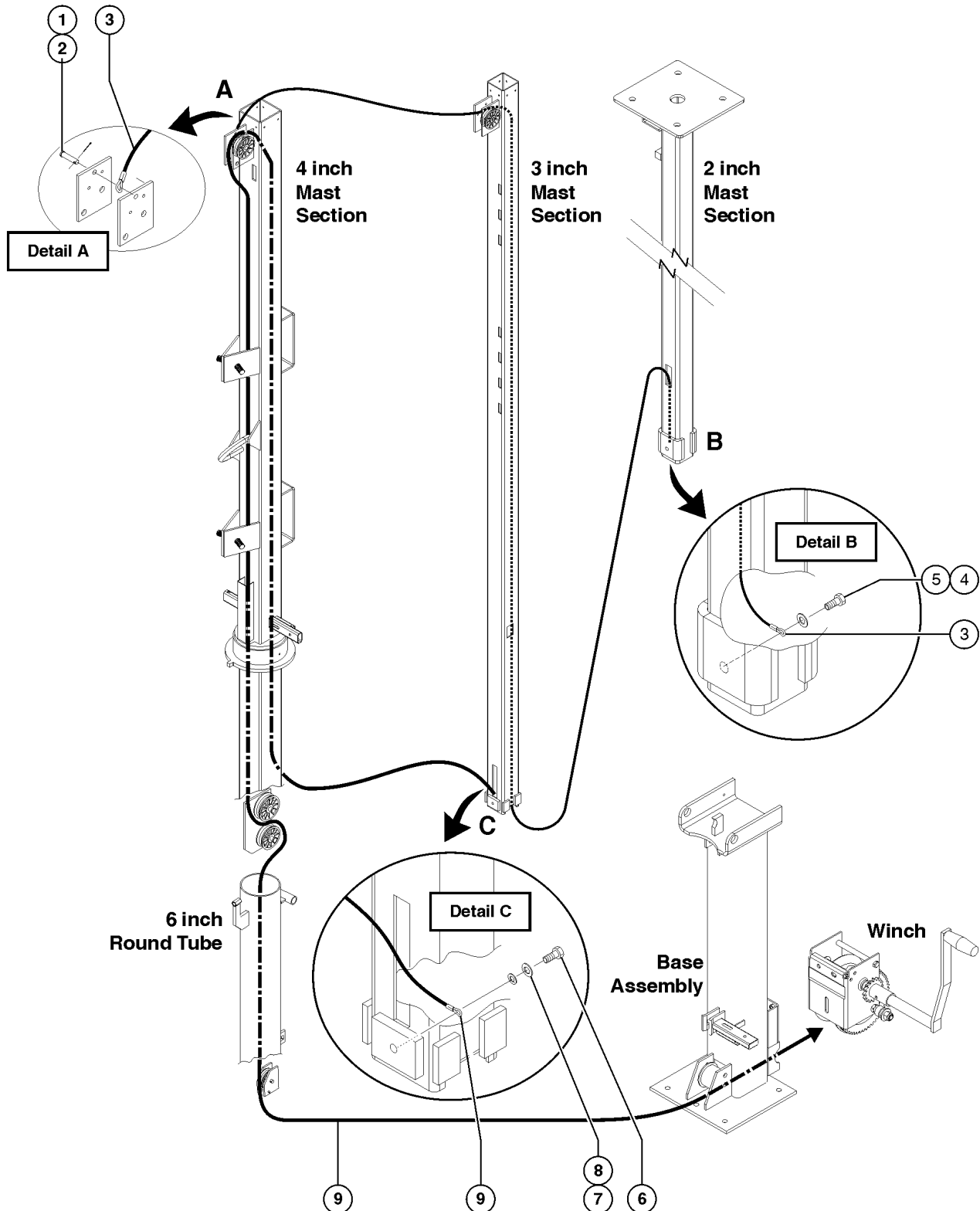
406.1 Wiring Harnesses



406.1 Wiring Harnesses

Item	Part No.	Description	Qty.
1	230405GT	WIRING KIT,ALXL,TIME CIRCUIT.....1	
2A	230774GT	WIRE ASSY,ANDERSON TO BATTERY	
3A	230773GT	WIRE ASSY,ANDERSON TO CONT BOX.....1	
4	116099GT	KIT,5-WIRE TRAILER LIGHT HRNS.....1 <i>(includes instructions)</i>	
--	663430GT	CONNECTOR,TAILLIGHT,4 PIN <i>4-pole round pin connector</i>	
--	663420GT	CONNECTOR,TAIL LIGHT,6 POLE <i>6-pole round pin connector</i>	
--	663400GT	CONNECTOR,7-POLE,TLITE,RND PIN <i>7-pole round pin connector (cable guard required, order separately)</i>	
--	663405GT	CABLE GUARD FOR 7P CONN(663400) <i>for 663405GT</i>	
--	663401GT	CONNECTOR,BLADE,POS,TAILT, 7P <i>7-pole blade connector</i>	
--	T109325GT	SVC KIT,TAILLIGHTS,AL <i>(taillight installation kit)</i>	
5	22112575GT	COIL CORD,DEUTSCH.....1 <i>includes connector</i>	
5	826916GT	KIT COIL CORD WO/ JUNCTION BOX...1 <i>includes connector</i>	
--		Ref., JUNCTION BOX <i>(refer to 506.1)</i>	
--	660287GT	CORD,RETRACT,66COIL,14/7 SOWA <i>coil cord w/o junction box</i>	
6	160276GT	CABLE SET,BATTERY,24" RED&BLK	
7	54454GT	BATTERY CABLE ASSY,NEG,8.5"	
8	54451GT	BATTERY CABLE ASSY,7.0"JUMPER	
9	160276GT	CABLE SET,BATTERY,24" RED&BLK	
10	227418GT	BATTERY CABLE,2 TERM,50"	

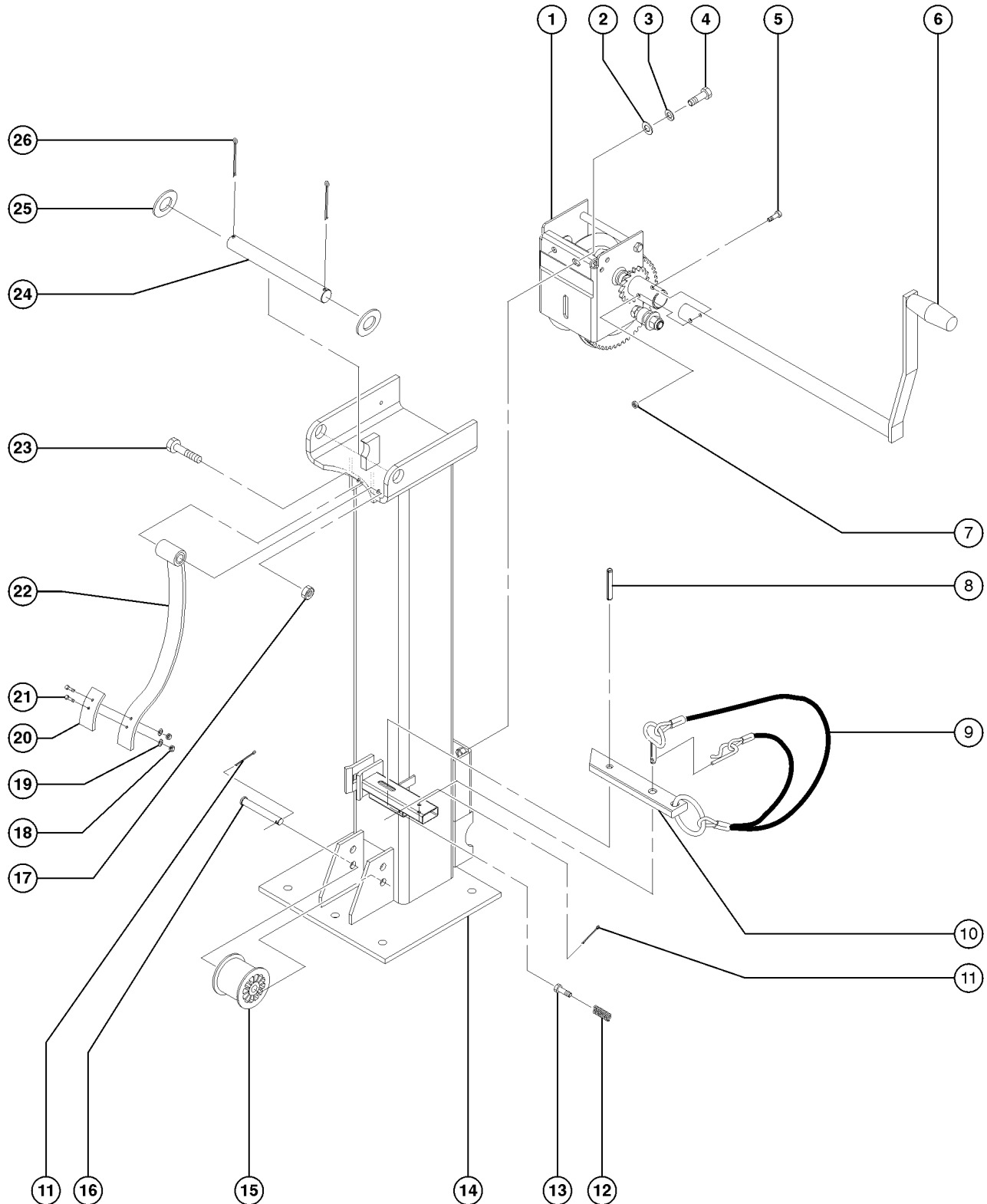
501.1 Mast Assembly, Cable Routing



501.1 Mast Assembly, Cable Routing

Item	Part No.	Description	Qty.
1	995780GT	CLEVIS PIN STAINLESSS.....	1
2	990650GT	COTTER PIN 1/8X1 SSBIN STOCK.....	1
3	109070GT	KIT,CABLE,UPPER AL4&5/LT5/SL4..... (includes cable, shims, rivets, and fasteners)	1
4	996230GT	SCREW,HHC,3/8-16 X 7/8.....	1
5	990470GT	WASHER LOCK 3/8ZP.....	1
6	990181GT	SCREW 3/8-16NCX1 HHC GR.....	1
7	15086GT	WASHER,FLAT,.375 X 1.5 X .125.....	1
8	990470GT	WASHER LOCK 3/8ZP.....	1
9	109065GT	KIT- CABLE ASSY LOWER 1/4" AL4..... (includes cable, shims, rivets, and fasteners) (refer to 504.1 and 505.1 for shim installation)	1

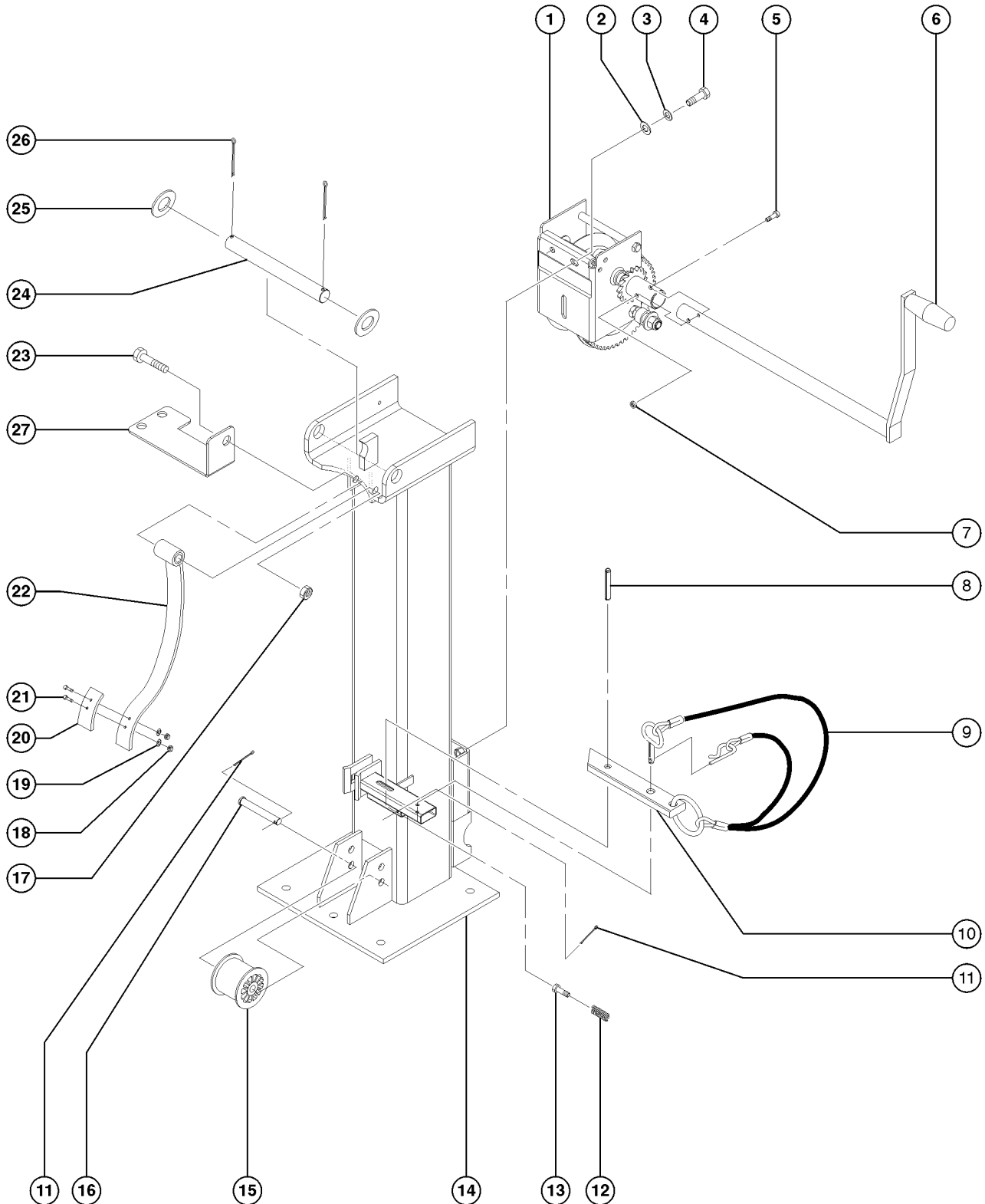
502.1 Tower Base Assembly



502.1 Tower Base Assembly

Item	Part No.	Description	Qty.
1		Ref. Winch (refer to 507.1)	
2	990080GT	WASHER FLAT 3/8USS ZPBIN.....	2
3	990470GT	WASHER LOCK 3/8ZP.....	2
4	981575GT	SCREW,HHC,3/8-16 X 1 GR 5 ZP.....	2
5	6-5204-16GT	SCREW,HHC,1/4-20X2.00,GR8.....	1
6	124480GT	AS-WINCH HANDLE W/TUBE,AL4000...	1
7	824024GT	NUT,TL,1/4-20,C,ZAG.....	1
8	990660GT	ROLL PIN 1/4 X1-5/8.....	1
9	113362GT	MA-PIN LOCK SLIDE WITH RING..... (includes cable and pin)	1
10	22109517GT	KIT:LOCK SLIDE PIN W/..... (includes items 8-13)	1
11	990650GT	COTTER PIN 1/8X1 SSBIN STOCK.....	2
12	790710GT	SPRING,COIL,1/2 X 2.25.....	1
13	980340GT	SCREW,HHC,5/16-18 X 0.5 IN.....	1
14A	230613GT	TOWER BASE ASSY W/DEC,ALXL,WRD.....	1
14B	230638GT	TOWER BASE ASSY W/DEC,ALXL,SYM.....	1
15	184510GT	SHEAVE SPOOL 3 X2-1/2.....	1
16	995790GT	CLEVIS PIN STAINLESSS.....	1
17	990200GT	NUT,NYLOCK,1/2-13 GR2.....	1
18	824024GT	NUT,TL,1/4-20,C,ZAG.....	2
19	824024GT	NUT,TL,1/4-20,C,ZAG.....	2
20	186360GT	FP-BUMPER PAD,KICKOUT SPRING....	1
21	995050GT	SCREW #10-32NFX3/4 LO.....	1
22	193750GT	SPRING,KICKOUT,0.262X1.75,AL'S.....	1
23	981920GT	SCREW,HHC,1/2-13 X 3 G.....	1
24	971290GT	KIT:TWR,30'CBL TO PIVOT POST..... (includes items 21 and 22)	1
--	173115GT	PIN 1X9-1/4 TOWER PIVOT	
25	994000GT	WASHER FLAT 1S/S 18-8BIN.....	2
26	990770GT	COTTER PIN 3/16X1.5 SS.....	2

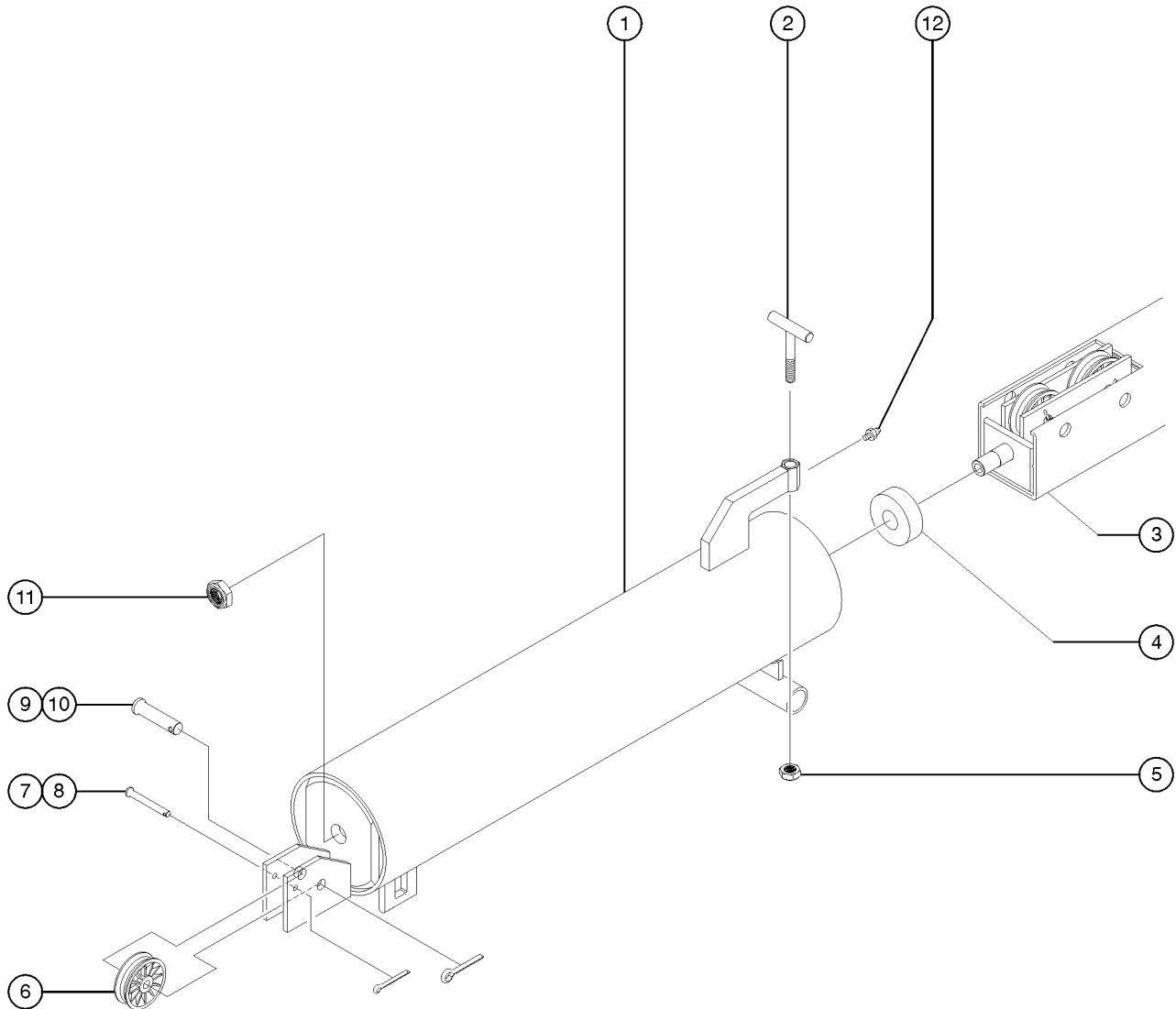
502.1 Tower Base Assembly



502.1 Tower Base Assembly

Item	Part No.	Description	Qty.
1		Ref. Winch (refer to 503.1)	
2	990080GT	WASHER FLAT 3/8USS ZPBIN.....	2
3	990470GT	WASHER LOCK 3/8ZP.....	2
4	981575GT	SCREW,HHC,3/8-16 X 1 GR 5 ZP.....	2
5	6-5204-16GT	SCREW,HHC,1/4-20X2.00,GR8.....	1
6	22114420GT	WINCH HANDLE W/TUBE1 X 29LG.....	1
7	824024GT	NUT,TL,1/4-20,C,ZAG.....	1
8	990660GT	ROLL PIN 1/4 X1-5/8.....	1
9	113362GT	MA-PIN LOCK SLIDE WITH RING..... (includes cable and pin)	1
10	22109517GT	KIT:LOCK SLIDE PIN W/..... (includes items 8-13)	1
11	990650GT	COTTER PIN 1/8X1 SSBIN STOCK.....	2
12	790710GT	SPRING,COIL,1/2 X 2.25.....	1
13	980340GT	SCREW,HHC,5/16-18 X 0.5 IN.....	1
14	124490GT	TOWER BASE ROT.TWR.30..... (decals not included; refer to section 1)	1
15	184510GT	SHEAVE SPOOL 3 X2-1/2.....	1
16	995760GT	CLEVIS PIN STAINLESSS.....	1
17	990200GT	NUT,NYLOCK,1/2-13 GR2.....	1
18	824024GT	NUT,TL,1/4-20,C,ZAG.....	2
19	824024GT	NUT,TL,1/4-20,C,ZAG.....	2
20	186360GT	FP-BUMPER PAD,KICKOUT SPRING....	1
21	1258649GT	SCREW, PANHEAD, 10-32 X 5/8.....	1
22	193750GT	SPRING,KICKOUT,0.262X1.75,AL'S.....	1
23	981920GT	SCREW,HHC,1/2-13 X 3 G.....	1
24	971290GT	KIT:TWR,30'CBL TO PIVOT POST..... (includes items 25 and 26)	1
--	173115GT	PIN 1X9-1/4 TOWER PIVOT	
25	994000GT	WASHER FLAT 1S/S 18-8BIN.....	2
26	990770GT	COTTER PIN 3/16X1.5 SS.....	2
27		FORMING LTBAR HOLDER UPPER..... (available soon)	1

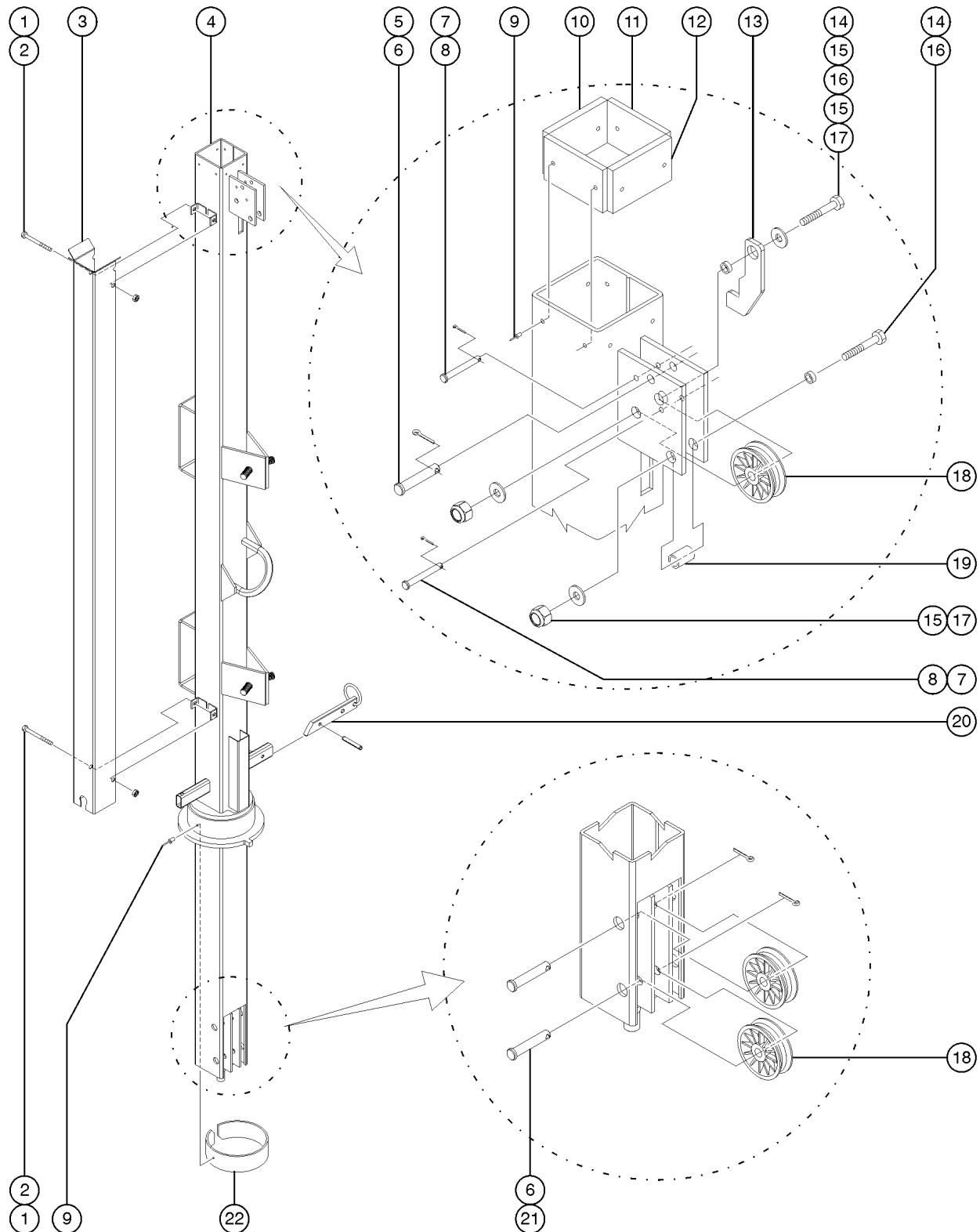
503.1 6" Round Base Assembly



503.1 6" Round Base Assembly

Item	Part No.	Description	Qty.
1	230612GT	6" ROUND TUBE ASSY W/DECAL.....	1
--	974690GT	KIT:TOWER,30',6"ROUND TUBE..... (includes item 2 and items 5-11)	1
2	990610GT	BOLT,TEE 1/2-20 X 4.5.....	1
3		Ref. Mast Assy, 4" (refer to 504.1)	
4	179850GT	BUSHING 2.5ODX13/16.....	1
5	995190GT	NUT,NYLOCK,1/2-20.....	1
6	188760GT	SHEAVE 3-1/8 X15/16.....	1
7	995790GT	CLEVIS PIN STAINLESSS.....	1
8	994920GT	COTTER PIN 3/32X3/4 S.....	1
9	992765GT	CLEVIS PIN STAINLESSS.....	1
10	990650GT	COTTER PIN 1/8X1 SSBIN STOCK.....	1
11	990620GT	NUT LOCK NYLON INSERT.....	1
12	28646GT	ZERK,GREASE,1/8 NPT.....	1

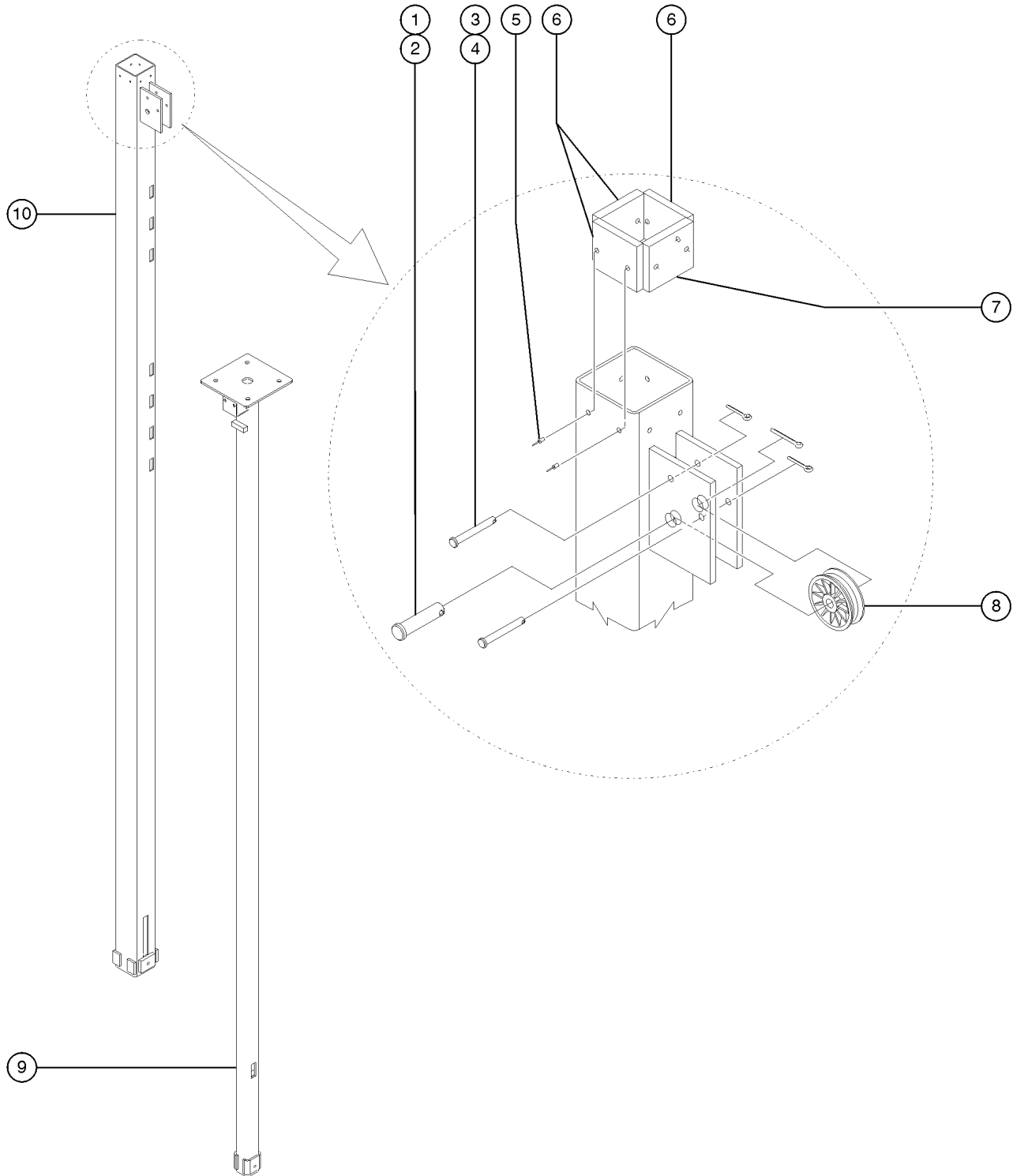
504.1 4" Mast Assembly



504.1 4" Mast Assembly

Item	Part No.	Description	Qty.
1	990160GT	SCREW,HHC,3/8-16 X 3.75.....	2
2	990170GT	NUT LOCK NYLON INSERT 3/8.....	2
3	113080GT	SLEEVE,COIL CORD,AL4,AL5.....	1
4A	230614GT	4" MAST ASSY W/DECAL,ALXL,WORD.....	1
4B	230615GT	4" MAST ASSY W/DECALS,ALXL,SYM	
5	995780GT	CLEVIS PIN STAINLESSS.....	1
6	990650GT	COTTER PIN 1/8X1 SSBIN STOCK.....	3
7	995790GT	CLEVIS PIN STAINLESSS.....	2
8	994920GT	COTTER PIN 3/32X3/4 S.....	2
9	990670GT	RIVET,POP,SS,3/16"X1/2" BLIND.....	10
10	183288GT	FP-SHIM 3/16X2X3-3/16 PLASTIC.....	1
11	177830GT	FP-SHIM 1/4X2X3-3/16 PLASTIC.....	2
12	183286GT	FP-SHIM 5/16X2X3-3/16 PLASTIC.....	1
13	178335GT	FP-LOCK LEVER, AL SERIES.....	1
14	990190GT	SCREW,HHC,1/2-13 X 3.....	2
15	990210GT	WASHER FLAT 1/2ZP.....	3
16	683460GT	BUSHING, 3/4OD X 1/2ID *****	2
17	990200GT	NUT,NYLOCK,1/2-13 GR2.....	2
18	188760GT	SHEAVE 3-1/8 X15/16.....	3
19	683450GT	BUSHING 11/16ODX1/2IDX1.032L.....	1
20		Ref. Lock Pin (refer to 502.1)	
21	992765GT	CLEVIS PIN STAINLESSS.....	2
22	177810GT	FP-SHIM 3/16X2X19-3/4 PLASTIC.....	1

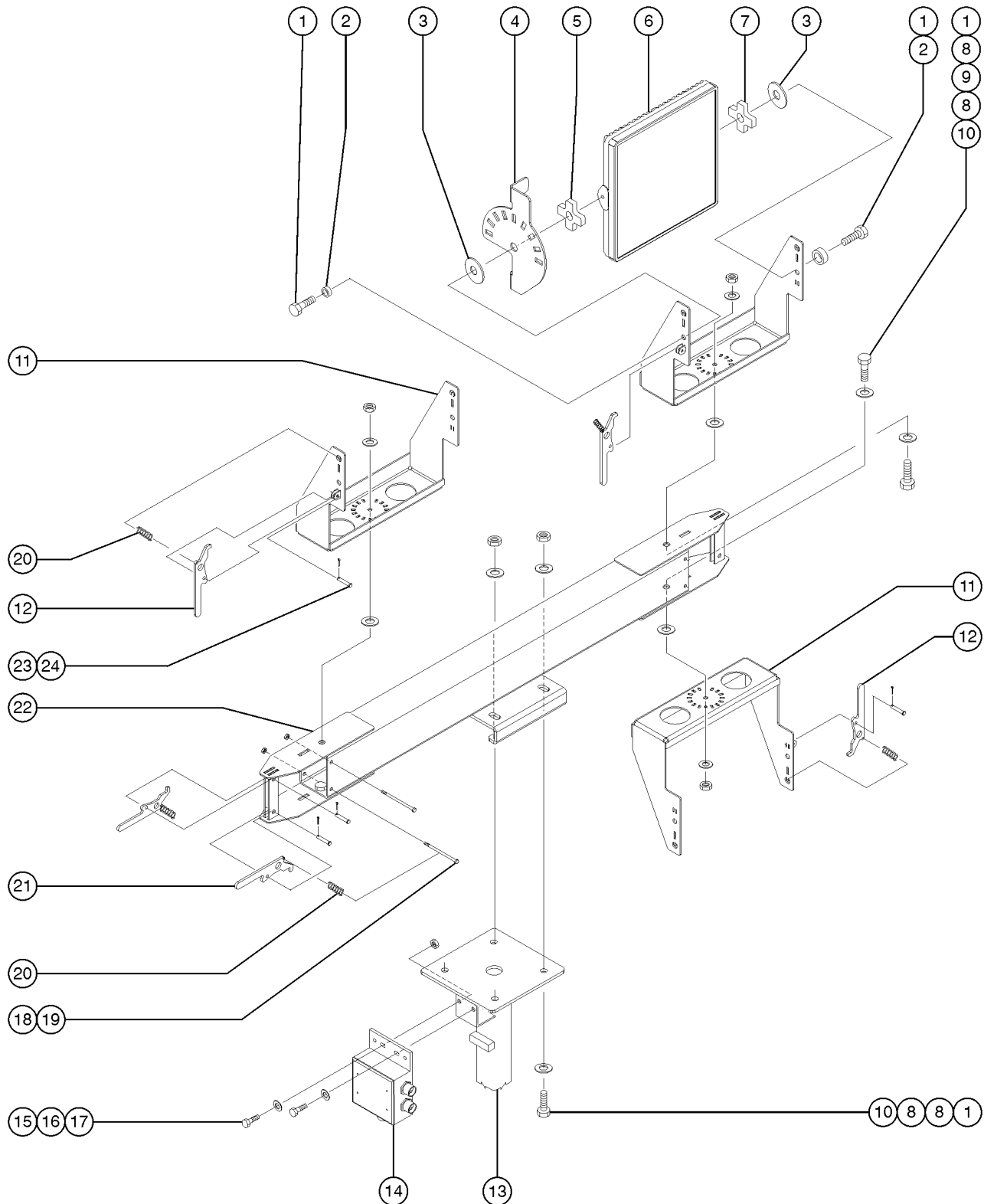
505.1 2" and 3" Mast Assemblies



505.1 2" and 3" Mast Assemblies

Item	Part No.	Description	Qty.
1	992765GT	CLEVIS PIN STAINLESSS.....	1
2	990650GT	COTTER PIN 1/8X1 SSBIN STOCK.....	1
3	995790GT	CLEVIS PIN STAINLESSS.....	2
4	994920GT	COTTER PIN 3/32X3/4 S.....	2
5	990670GT	RIVET,POP,SS,3/16"X1/2" BLIND.....	8
6	177820GT	FP-SHIM 5/16X2X2-1/4 PLASTIC.....	3
7	185290GT	FP-SHIM 3/8 X 2 X 2.25 PLASTIC.....	1
8	188760GT	SHEAVE 3-1/8 X15/16.....	1
9	229084GT	WELDMENT,MAST 2" SECTION,LED.....	1
10	124550GT	3 SECTION 30'TOWER AL4/AL5.....	1

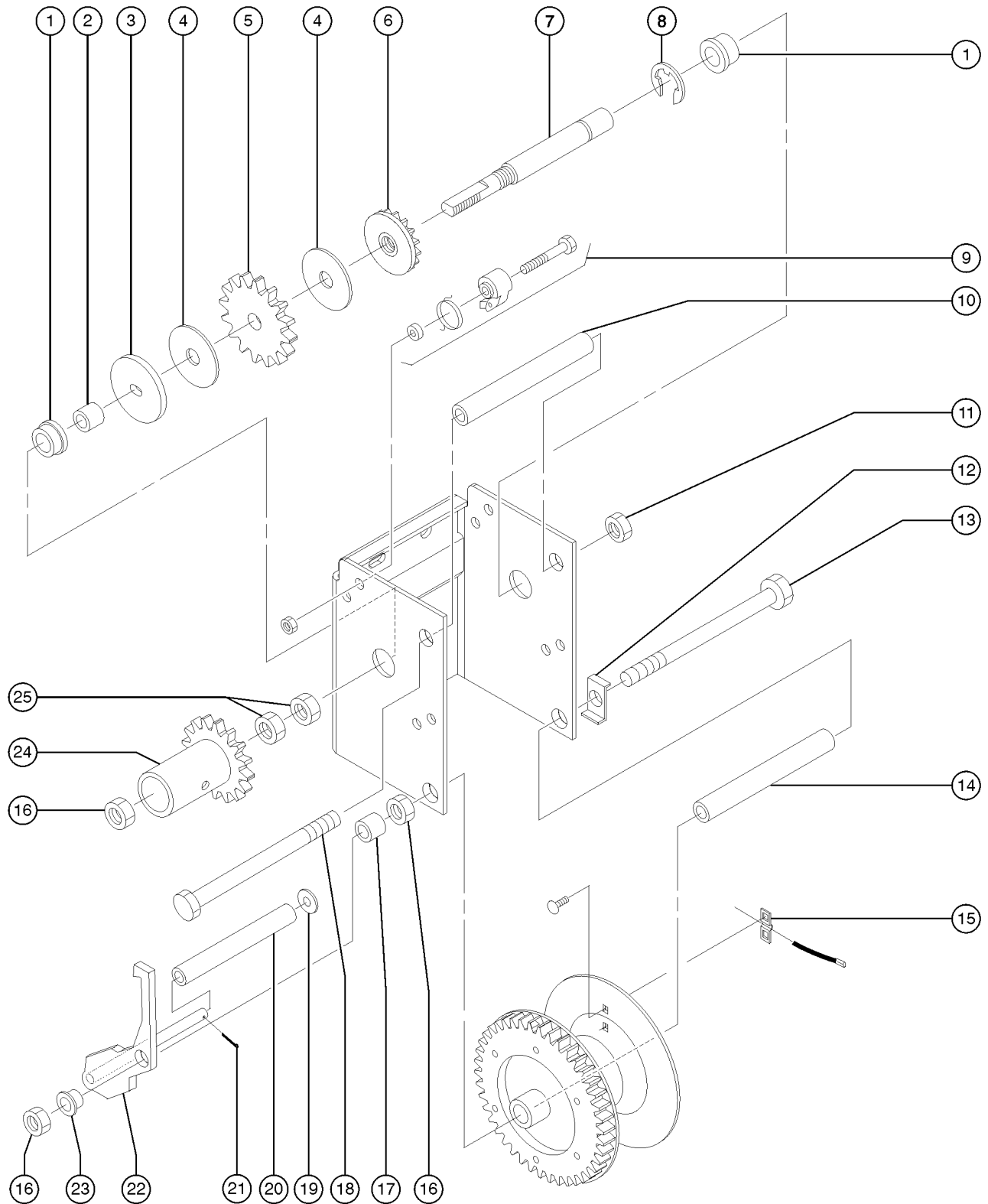
506.1 Light Assembly



506.1 Light Assembly

Item	Part No.	Description	Qty.
1	54177GT	SCREW,HHC,1/2-13 X 1.5 GRD 8.....16	
2	125253GT	TUBE,LIGHT BAR SPACER.....8	
3	720495GT	WASHER,UHMW,13/16 IDX3 ODX1/8....8	
4	T113996GT	FORMING, QUICK ADJUST DETENT L.....4	
5	116737GT	SPACER,.25 THREADED LIGHT.....4	
6	T114946GT	STD LED FIXTURE,48V.....4	
7	116738GT	SPACER,.375 THREADED LIGHT.....4	
8	6095GT	WASHER,FLAT,USS,1/2",Y.....8	
9	69766GT	WASHER,UHMW, 9/16 X 3.00.....4	
10	6198GT	NUT,NYLOCK,1/2-13.....4	
11	T113994GT	WELDMENT, QUICK ADJUST LEFT.....4	
12	T115347GT	PLATE, LIGHT ROTATION LOCK.....8	
13		Ref. Mast Assembly, 2" (refer to 505.1)	
14A	680190GT	COVER,JUNC BOX W/GSKT, 2 GANG for C48300108GT	
14A	994380GT	SCREW,RH,6-32 X 5/8 for C48300108GT	
14A	C48300108GT	BOX,JUNC,LIGHT TWR,4 CONN.....1 cover and screws not included, order separately	
14B		Ref., COIL CORD (refer to 406.1)	
15	6888GT	SCREW,HHC,1/4-20 X 1.....2	
15	824060GT	SCREW,HHC,1/4-20X1,8,ZAG.....2	
16	6638GT	WASHER,FLAT,USS,1/4"Y.....2	
17	6091GT	NUT,NYLOCK,1/4-20.....2	
17	824024GT	NUT,TL,1/4-20,C,ZAG.....2	
18	11413GT	SCREW,HHC,1/4-20 X 4.....4	
19	6889GT	NUT,LP NYLOCK,1/4-20.....4	
19	824024GT	NUT,TL,1/4-20,C,ZAG.....4	
20	48075GT	SPRING, OUTRIGGER.....12	
21	125491GT	PLATE,LIGHT ROTATION LOCK.....4	
22	230619GT	LIGHT BAR WITH DECAL, ALXL.....1	
23	59972GT	CLEVIS PIN, 5/16 X 3/4.....12	
24	80336GT	CLIP, COTTER RING, 5/16 X .047.....12	

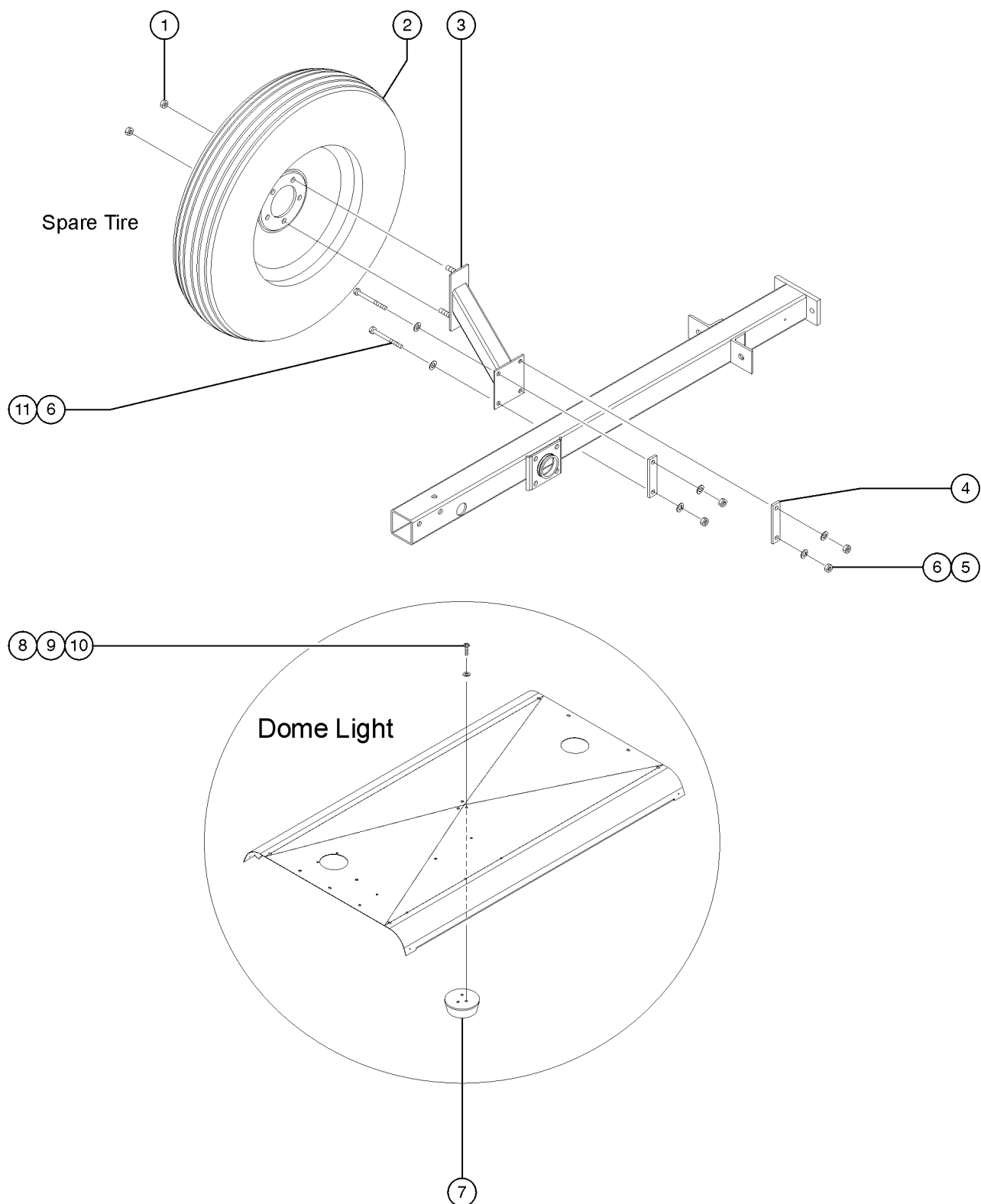
507.1 Winch Assembly



507.1 Winch Assembly

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	109485GT	KIT-WINCH W/SAFETY LO <i>(includes items 1-25) (handle sold separately)</i>		17	124857GT	SPACER .5 ID 1.25ODNO. 5968.....	1
--	124480GT	AS-WINCH HANDLE W/TUBE,AL4000...1 <i>not shown</i>		18	69209GT	SCREW,HHC,3/8-16 X 5.5 GRD 8	
--	22114420GT	WINCH HANDLE W/TUBE1 X 29LG		19	980480GT	WASHER FLAT C816L S/S.....	1
--	740050-1GT	KIT- WINCH - SOCKET FULTON <i>(includes items 1-16 and 24-25)</i>		20	124858GT	BUSHING,WINCH ROLLER LOCK.....	1
1		BUSHING, SMALL PINION, FULTON (6199).....	2	21	990650GT	COTTER PIN 1/8X1 SSBIN STOCK.....	1
		<i>(component no longer available)</i>		22	124855GT	RATCHET ARM FULTONWI.....	1
1	1256081GT	SERVICE KIT,PINION SHAFT-K1550.....	2	--	109486GT	KIT-WINCH SAFETY LOCK <i>(includes items 13, 15-21, and 23)</i>	
2		SPACER,PINION SHAFT (32890).....	1	23	124856GT	BUSHING FLANGE 1.25OD.....	1
		<i>(component no longer available)</i>		24	124860GT	HANDLE SOCKET RATCHET.....	1
2	1256082GT	SERVICE KIT,PINION SHAFT-K2550.....	1	25	6034GT	NUT,HEX,JAM,1/2-13.....	2
3		WINCH PINION PLATE, K-1550 (7591).....	1				
		<i>(component no longer available)</i>					
3	1256081GT	SERVICE KIT,PINION SHAFT-K1550.....	1				
4	1256083GT	SVC KIT, FRICTION DISC K/KX.....	2				
4	7571GT	BRAKE DISK,.5 BORE,K-1550.....	2				
5		RATCHET GEAR,K-1550 1/2" I.D. (6777).....	1				
		<i>(component no longer available)</i>					
5	1256081GT	SERVICE KIT,PINION SHAFT-K1550.....	1				
6		PINION GEAR AND DISC K-1550 (7590).....	1				
		<i>(not sold separately)</i>					
6	7590GT	PINION GEAR AND DISC K-1550.....	1				
7		Ref. Pinion Shaft <i>(not sold separately)</i>					
8		RETAINING RING (6200).....	1				
		<i>(not sold separately)</i>					
8	6200GT	RETAINING RING.....	1				
9	6291GT	RATCHET KIT (K-1500,K-1550)**.....	1				
10		FRAME SPACER,K-1550 (7584).....	1				
		<i>(not sold separately)</i>					
10	7584GT	FRAME SPACER,K-1550.....	1				
11	12012GT	NUT,LOCK,3/8-16.....	1				
12		WINCH BRACKET, DRUM BOLT LOCK (31946).....	1				
		<i>(not sold separately)</i>					
12	31946GT	WINCH BRACKET, DRUM BOLT LOCK.....	1				
13	22832GT	SCREW,HHC,3/8-16 X 6.....	2				
14	6184GT	SPACER, DRUM BOLT, K-1550					
15	740050-2GT	CABLE HARDWARE FULTON WINCH....1 <i>(includes fasteners)</i>					
16	6198GT	NUT,NYLOCK,1/2-13.....	1				

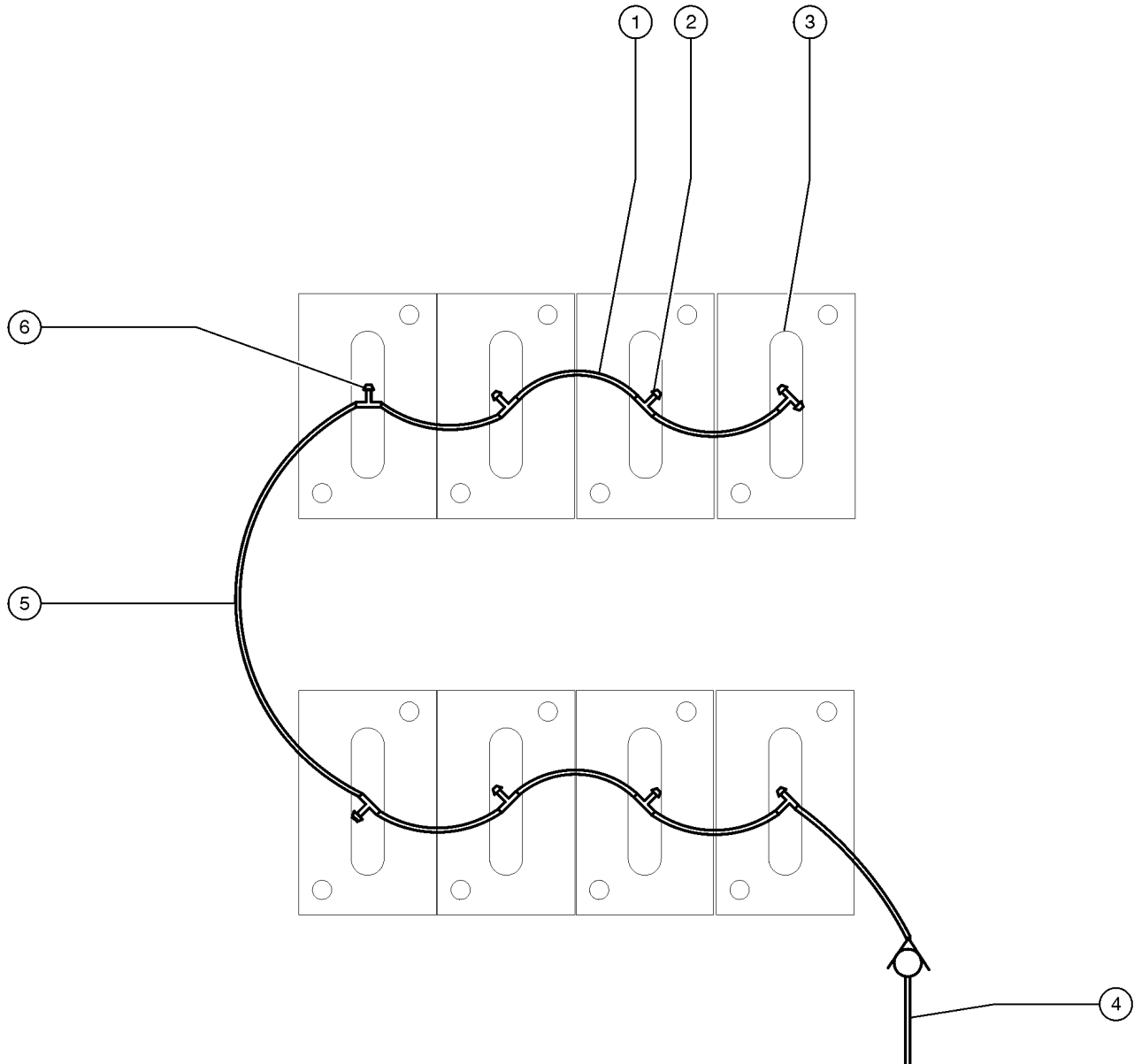
601.1 Spare Tire and Dome Light



601.1 Spare Tire and Dome Light

Item	Part No.	Description	Qty.
--	231219GT	SPARE TIRE ACCESSORY,ALXL	
--	231220GT	DOME LIGHT ACCESSORY,ALXL	
1	840376GT	NUT,WHEEL, 1/2 X 20.....	2
2		Ref. Tire Assembly (refer to 201.1)	
3	124310GT	SPARE TIRE MT,5 LUG WHEEL.....	1
		(5 lug)	
4	188070GT	FP-CLAMP,SPARE TIRE BRACKET	
5	990170GT	NUT LOCK NYLON INSERT 3/8.....	4
6	990080GT	WASHER FLAT 3/8USS ZPBIN.....	8
7	684030GT	LIGHT,DOME, 12V DC.....	1
8	993711GT	SCREW #10-24NCX1/2RD.....	3
9	995755GT	WASHER FLAT BONDED3/1.....	3
10	6-6286-04GT	NUT.....	3
11	994460GT	SCREW,HHC,3/8-16 X 4.5 ZP.....	4

602.1 Battery Watering System



602.1 Battery Watering System

Item	Part No.	Description	Qty.
--		BATTERY WATERING SYSTEM, 48V (available soon) (replaced 231221GT)	
1	229983GT	TUBE,CLAMPLESSERRING.....8-inches quantity: 6	
2	229980GT	SWIVEL TEE, BATTERY WATERING.....8	
3	229979GT	MANIFOLD,BATTERY WATERING.....8	
4	229981GT	PUMP COUPLER W/ DUST CAP.....1	
5	229983GT	TUBE,CLAMPLESSERRING.....40-inches quantity: 1	
6	229982GT	END CAP, RED, BATTERY WATERING.....9	

Part Number Index

The Part Number Index is a numeric index of all part numbers included in this manual. The index shows what page(s) the part is used on.

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
101201GT	45	133055GT	17, 21	227418GT	61	230585GT	33, 35
101208GT	45	133062GT	11, 13, 15, 17, 19, 21	227518GT	11, 13, 15, 17	230586GT	33, 35
101209GT	45			227519GT	19, 21	230587GT	33, 35
109065GT	63	133063GT	11, 13, 15, 17, 19, 21	227708GT	11, 13	230588GT	31
109070GT	63			227709GT	15, 17	230589GT	31
109485GT	77	133065GT	13, 17, 21	227710GT	19, 21	230590GT	33, 35
109486GT	77	133066GT	13, 17, 21	227822GT	19, 21	230591GT	33, 35
110523GT	41, 43	133148GT	11, 15, 19	227823GT	11, 13, 15, 17	230592GT	33, 35
112300GT	29	133149GT	13, 17, 21	228092GT	25	230593GT	31
113080GT	71	133482GT	11, 15, 19	228093GT	25	230594GT	31
113362GT	65, 67	133483GT	15, 19	22832GT	77	230595GT	33, 35
11413GT	75	133484GT	11, 15, 19	228411GT	51, 55, 59	230596GT	33, 35
114251GT	17, 21	13854GT	39	228414GT	51	230597GT	33, 35
114258GT	15, 19	139278GT	45	228415GT	51	230598GT	33, 35
114391GT	17, 21	139279GT	45	228417GT	53, 57	230599GT	31
114431GT	11, 15, 19	147123GT	25, 27	228418GT	53, 57	230600GT	31
114464GT	11, 15, 19	15086GT	63	228419GT	53, 57	230601GT	33, 35
114480GT	23	160276GT	61	228420GT	53, 57	230602GT	33, 35
114613GT	23	160421GT	35	228424GT	51, 55, 59	230603GT	31
116062GT	55, 59	162160GT	23	228425GT	51, 55, 59	230604GT	31
116095GT	23	162189GT	29	228427GT	51, 59	230605GT	33, 35
116099GT	61	173115GT	65, 67	228428GT	51	230606GT	33, 35
116168GT	49	174170GT	29	228429GT	55	230607GT	31
116172GT	49	176335GT	39	228430GT	59	230608GT	31
116177GT	49	177810GT	71	228461GT	27	230609GT	33, 35
116178GT	49	177820GT	73	228708GT	15, 19	230610GT	33, 35
116244GT	49	177830GT	71	228709GT	15, 19	230611GT	31
116252GT	41	178335GT	71	228711GT	11, 15, 19	230612GT	69
116253GT	49	179850GT	69	228712GT	11, 15, 19	230613GT	65
116523GT	41, 43, 45	182330GT	29	228714GT	11, 13, 15, 17, 19, 21	230614GT	71
116532GT	37	183286GT	71			230615GT	71
116733GT	41, 43	183288GT	71	228900GT	29	230616GT	51
116737GT	75	183731GT	39	228973GT	29, 51, 59	230617GT	53
116738GT	75	184150GT	37	229084GT	73	230618GT	57
116815GT	55, 59	184510GT	65, 67	229102GT	11, 13, 15, 17, 19, 21	230619GT	75
116820GT	55, 59	185290GT	73			230634GT	33, 35
116833GT	45	18605GT	51, 55, 59	229438GT	11, 15, 19	230635GT	33, 35
116893GT	13, 17, 21	186280GT	29	229444GT	59	230636GT	33, 35
116894GT	17, 21	186360GT	65, 67	229457GT	49	230637GT	33, 35
116895GT	13, 17, 21	186540GT	51	229623GT	51, 59	230638GT	65
116936GT	39	186543GT	51	229667GT	11	230639GT	11
116937GT	39	186544GT	51	229780GT	13	230640GT	13
116941GT	27	186554GT	53, 57	229781GT	13, 17, 21	230641GT	15
12012GT	77	188070GT	79	229782GT	13, 17, 21	230642GT	17
122079GT	39	188630GT	29	229824GT	51, 59	230643GT	19
123461GT	39	188760GT	69, 71, 73	229825GT	51, 59	230644GT	21
123490GT	23	189220GT	31	22979GT	81	230682GT	31
124310GT	79	189290GT	43	229980GT	81	230722GT	31
124410GT	23	189347GT	49	229981GT	81	230723GT	31
124420GT	37	189790GT	29	229982GT	81	230724GT	33, 35
124480GT	65, 77	189796GT	37	229983GT	81	230759GT	51, 59
124490GT	67	189805GT	29	230402GT	55, 59	230773GT	61
124550GT	73	189920GT	33, 35	230403GT	59	230774GT	61
124855GT	77	193750GT	65, 67	230404GT	51	230776GT	33, 35
124856GT	77	19428-72160GT	43	230405GT	51, 59, 61	231219GT	79
124857GT	77	19436GT	51, 55, 59	230560GT	25	231220GT	79
124858GT	77	213770GT	39	230561GT	25, 27	231332GT	49
124860GT	77	218691GT	39	230562GT	25, 27	231333GT	49
125253GT	75	22105013GT	25	230563GT	25, 27	231456GT	45
125395GT	45	22105016GT	25	230565GT	25, 27	232850GT	55, 59
1254824GT	41	22109517GT	65, 67	230566GT	25, 27	234842GT	45
125491GT	75	22112575GT	61	230567GT	27	236560GT	27
1256081GT	77	22114420GT	67, 77	230568GT	27	237832GT	35
1256082GT	77	22124015GT	41	230569GT	25, 27	28159GT	15, 17, 19, 21
1256083GT	77	22124016GT	41	230570GT	27	28161GT	11, 15, 19
1258649GT	67	22124025GT	41	230571GT	25	28162GT	15, 19
1262632GT	39	226423GT	29	230573GT	27	28646GT	69
1274237GT	47	226424GT	29	230575GT	27	31788GT	11, 15, 19
1277953GT	49	226425GT	29	230576GT	37	31946GT	77
128118GT	51, 59	226426GT	29	230577GT	25, 27	32069GT	45
128375GT	29	227082GT	39	230579GT	25	32103GT	47
128377GT	29	227207GT	29	230580GT	25	32185GT	41, 43, 45
133012GT	15, 19	227208GT	29	230581GT	29	32191GT	45
133017GT	11, 15, 19	227348GT	11, 15, 19	230582GT	29	32199GT	45
133031GT	17, 21	227349GT	19	230583GT	23	32645GT	23

Part Number Index (continued)

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
33265GT	39	683450GT	71	839119GT	47	990080GT	31, 33, 35, 65,
36372GT	51, 59	683460GT	71	839131GT	43		67, 79
40766GT	51, 55, 59	684030GT	79	839134GT	45	990150GT	31, 37
44181GT	47	684380GT	55, 59	839149GT	47	990160GT	31, 33, 35, 71
44191GT	45	684450GT	55, 59	839151GT	45	990170GT	29, 31, 33, 35,
44196GT	47	684640GT	55, 59	839154GT	45		71, 79
44197GT	47	686000GT	59	839157GT	47	990181GT	63
44198GT	47	6888GT	37, 75	839190GT	45	990190GT	71
48075GT	75	6889GT	29, 75	839200GT	47	990200GT	29, 31, 33, 35,
48425GT	29	69209GT	77	839209GT	45		41, 43, 49, 65,
49779GT	59	69766GT	75	839244GT	45		67, 71
49821GT	51, 55, 59	720220GT	37	839246GT	45	990210GT	29, 41, 43, 71
52265GT	25, 27	720495GT	75	840221GT	23	990230GT	29
52475GT	11, 13, 15, 17,	72086GT	11, 13, 15, 17,	840222GT	23	990270GT	31, 33, 35, 43
	19, 21		19, 21	840376GT	23, 25, 27, 79	990340GT	31, 33, 35
52531GT	45	721051GT	29	840377GT	25, 27	990410GT	43
52532GT	45	732200PPGT	43	84042GT	45	990415GT	41, 49
52533GT	45	732205PPGT	41	841050GT	25, 27	990470GT	49, 63, 65, 67
52847GT	43	740050-1GT	77	841061GT	23	990610GT	69
52851GT	43	740050-2GT	77	841430GT	23	990620GT	69
5397GT	35	740620GT	47	841890GT	11, 13, 15, 17,	990650GT	63, 65, 67, 69,
54177GT	29, 75	740920GT	43		19, 21		71, 73, 77
54355GT	49	740925GT	41	85206GT	49	990660GT	65, 67
54451GT	61	741140GT	47	865052GT	45	990670GT	29, 31, 33, 37,
54454GT	61	741701GT	29	865055GT	45		51, 53, 57, 59,
55306GT	51, 55, 59	741715GT	29	865068GT	45		71, 73
55906GT	59	742220GT	29	865079GT	45	990770GT	65, 67
56462GT	29	75041GT	37	865085GT	41, 43	991650GT	31, 33, 35, 37,
57332GT	23, 39	75144GT	23, 37	865086GT	41, 43		39, 49
57587GT	37	7571GT	77	865100GT	47	991690GT	29
58356GT	49	7584GT	77	865257GT	47	991760GT	29
59972GT	75	7590GT	77	865260GT	41, 43	99199GT	47
6-5204-16GT	65, 67	77055GT	11, 13, 15, 17,	865261GT	41, 43	992765GT	69, 71, 73
6-5208-44GT	39		19, 21	865263GT	41, 43	993240GT	29
6-6286-04GT	79	77183GT	11, 13, 15, 17,	865307GT	41, 43	993310GT	37, 51, 53, 57
6024GT	39		19, 21	865435GT	45	993440GT	31, 33
6034GT	77	790540GT	37, 39	866040GT	47	993711GT	79
6035GT	39	790710GT	65, 67	866050GT	47	993850GT	31, 33, 35, 37
6090GT	29, 37	790940GT	37	866081GT	45	993860GT	31, 33, 35, 37
6091GT	23, 29, 37, 59, 75	790965GT	23	866090GT	45	993900GT	31, 33, 35
6095GT	23, 29, 39, 75	794942GT	37	866101GT	45	994000GT	65, 67
6096GT	23	796432GT	37	866110GT	41, 43	994130GT	23
6097GT	23	796438GT	37	866113GT	41	994380GT	75
6146GT	37	796610GT	31, 33	866126GT	49	994420GT	51, 55, 59
6178GT	37	80336GT	75	866127GT	49	994460GT	79
6184GT	77	80379GT	49	866128GT	49	994600GT	23, 31, 33, 35, 37
61975GT	23	822809GT	51, 55	866129GT	49	994650GT	29
6198GT	23, 39, 75, 77	824024GT	23, 29, 33, 35,	866394GT	41, 43, 45	994830GT	41, 43
6200GT	77		37, 51, 55, 65,	866800GT	45	994920GT	69, 71, 73
62118GT	47		67, 75	866825GT	45	995050GT	65
62119GT	47	824029GT	23	890785GT	47	995110GT	41, 43
62296GT	45	824059GT	29, 37	890790GT	41, 43	995190GT	69
6291GT	77	824060GT	37, 75	890795GT	47	995300GT	51, 55, 59
660287GT	61	82472GT	13, 17, 21	8915GT	51, 59	995310GT	23, 39, 49
660320GT	47	82481GT	13, 17, 21	89163GT	39	995755GT	79
66081GT	51, 55, 59	82487GT	13, 17, 21	897110GT	45	995760GT	67
663400GT	61	826916GT	61	898590GT	47	995780GT	63, 71
663401GT	61	832128GT	45	930950GT	23, 35	995790GT	65, 69, 71, 73
663405GT	61	834204GT	23	970805GT	37	995810GT	29, 31, 33, 35,
663420GT	61	834211GT	23	971290GT	65, 67		37, 47, 51, 53, 57
663430GT	61	834219GT	23	974640GT	29	996230GT	63
663520GT	37	834226GT	25, 27	974645GT	23	996340GT	51, 53, 57
663527GT	37	834228GT	25, 27	974685GT	37	C48300108GT	75
663528GT	37	834250GT	25, 27	974690GT	69	C51600800GT	41, 43
663840GT	37	834255GT	25, 27	975085GT	29	C51601442GT	41, 43
6638GT	29, 51, 59, 75	834267GT	23	97602GT	15, 19	C51601444GT	37
66717GT	51, 59	836853GT	49	97666GT	11, 15, 19	CR58C012GT	37
66816GT	55, 59	836856GT	49	97667GT	15, 19	R660010GT	55, 59
66818GT	55, 59	839011GT	45	980340GT	65, 67	R661490GT	55, 59
67230GT	39	839027GT	45	980480GT	77	R980015GT	29, 49
67231GT	39	839034GT	45	981460GT	49	T106193GT	51, 55, 59
680030GT	29, 55, 59	839049GT	49	981480GT	49	T108775GT	23
680190GT	75	839103GT	45	981530GT	29	T109127GT	39
680250GT	29, 37	839107GT	47	981575GT	65, 67	T109129GT	39
682715GT	55, 59	839109GT	41, 43	981920GT	65, 67	T109325GT	61
682740GT	37	839110GT	41, 43			T110632GT	39

Part Number Index (continued)

Part Number	Page
T113641GT	55, 59
T113642GT	55, 59
T113644GT	55, 59
T113994GT	75
T113996GT	75
T114946GT	75
T115347GT	75
Z104685GT	37

The Part Description Index is an alphabetical index of all part descriptions included in this manual. The index shows what page(s) the part is used on.

3
3 SECTION 30" TOWER AL4/AL5.....73

4
4" MAST ASSY W/DECAL,ALXL,WORD.....71
4" MAST ASSY W/DECALS,ALXL,SYM.....71

6
6" ROUND TUBE ASSY W/DECAL.....69

A
ADJUSTER SCREW ASSY, ALXL.....25, 27
ADJUSTER SPRING,E BRAKE,ALXL.....25
ADJUSTER SPRING,H BRAKE,ALXL.....27
AIR CLEANER BRACKET, D1105.....49
ALTERNATOR,KUBOTA*.....45
ANGLE, BATTERY HOLD DOWN.....29
AS-RING HITCH MOUNT.....39
AS-WINCH HANDLE W/TUBE,AL4000.....65, 77
ASSY,IES CHARGER LED.....51, 59
ASY:AXLE 3500LB W/HYD BRAKE.....25
AXLE ASSY ELE,3500 W/PRK BRK.....27
AXLE ASSY,3500LB,IDLE,AL4.....25, 27
AXLE ASSY,3500LB,IDLE,AL5,7,8.....25, 27
AXLE W/ELECTRIC BRAKES.....27
AXLE W/HYD SURGE BRK/BALL AL5.....25
AXLE W/HYD SURGE BRK/RING AL5.....25

B
BALL, 2" ZINC.....39
BASE,CONTROL BOX,AL4 CONS.....51
BATTERY.....29
BATTERY CABLE ASSY,7.0"JUMPER.....61
BATTERY CABLE ASSY,NEG,8.5".....61
BATTERY CABLE,2 TERM,50".....61
BATTERY WATERING SYSTEM, 48V.....81
BATTERY, J 305GH, 315AH.....29
BEARING, ODE.....49
BEARING,ALXL,840377,841050.....25, 27
BODY,AIR CLEANER,KUBOTA.....49
BOLT,TEE 1/2-20 X 4.5.....69
BOX,JUNC,LIGHT TWR,4 CONN.....75
BRACKET ADJ HGT 6".....39
BRACKET W/BALL,GAS SPRING.....37
BRACKET, FUEL FILTER.....47
BRACKET,E-BOX,AUTOSTART,AL4.....51, 53, 57
BRACKET,GENERATOR MOUNT.....49
BRACKET-RADIATOR SUPRT,INBOARD.....43
BRACKET-RADIATOR SUPRT,OUTBRD.....43
BRAKE DISK,.5 BORE,K-1550.....77
BRAKE DRUM,ALXL.....25, 27
BREAKER, DC, 5A INSTANTANEOUS.....51, 55, 59
BREAKER,15A,120VAC 1P,CSA.....55, 59
BREAKER,20A MINI,120VAC 1P,CSA.....55, 59
BREAKER,30A 250VAC 2P,CSA.....55, 59
BUMPER REAR TOWER SUP.....37
BUSHING 11/16ODX1/2IDX1.032L.....71
BUSHING 2.5ODX13/16.....69
BUSHING FLANGE 1.25OD.....77

BUSHING, 3/4OD X 1/2ID *****.....71
BUSHING, SMALL PINION, FULTON (6199).....77
BUSHING,STRAIN RELIEF,875/40.....51, 59
BUSHING,WINCH ROLLER LOCK.....77
BUSHING,WNCH HANDL,0.5X2.0X3.5.....37

C
CABLE GUARD FOR 7P CONN(663400).....61
CABLE HARDWARE FULTON WINCH.....77
CABLE SET,BATTERY,24" RED&BLK.....61
CAP,FUEL,VENTED WITH GAUGE.....29
CAP,RADIATOR,AL,KUBOTA DF-752.....41, 43
CAPACITOR, 8KW GENERATOR,5420.....49
CAPACITOR-ROUND 25MF.....49
CAPLUG TUBE PLUG 2.5 X 2.5.....29
CHAIN, SAFETY, SNAP HOOK.....23
CHARGER 48V/30A AUTO AC X-LED.....29
CLAMP 0.56 #9 X 1/2.....37
CLAMP,HOSE.....41, 43, 45
CLAMP,HOSE,KUBOTA WG750.....45
CLEVIS PIN STAINLESSS.....63, 65, 67, 69, 71, 73
CLEVIS PIN, 5/16 X 3/4.....75
CLIP, COTTER RING, 5/16 X .047.....75
COIL CORD BULKHEADPLA.....37
COIL CORD,DEUTSCH.....61
CONNECTOR 2 SCREW 3/4.....29, 55, 59
CONNECTOR,7-POLE,TLITE,RND PIN.....61
CONNECTOR,ANDERSON SB 175,1/0G.....51, 55, 59
CONNECTOR,BLADE,POS,TAULT, 7P.....61
CONNECTOR,TAIL LIGHT,6 POLE.....61
CONNECTOR,TAILLIGHT,4 PIN.....61
CONTACT, N.C.....55, 59
CONTACT,N.O.***.....55, 59
CORD AC IEC320-C19 TO 110US.....29
CORD,RETRACT,66COIL,14/7 SOWA.....61
COTTER PIN 1/8X1 SSBIN STOCK.....63, 65, 67, 69, 71, 73, 77
COTTER PIN 3/16X1.5 SS.....65, 67
COTTER PIN 3/32X3/4 S.....69, 71, 73
COUPLER 2" BALL BULLDOG TMZ.....39
COUPLER 2-5/16" BALL BULLDOG T.....39
COUPLER,BALL,2 5/16.....39
COUPLER,BALL,2" CLASS II.....23, 39
COVER,ADJ SCREW,ALXL,BRAKE.....25
COVER,AIR CLEANER,KUBOTA.....49
COVER,JUNC BOX W/GSKT, 2 GANG.....75

D
DECAL KIT,AL4L,BATT,SYMBOL.....13
DECAL KIT,AL4L,BATT,WORD.....11
DECAL KIT,AL4L,ENG,SYMBOL.....17
DECAL KIT,AL4L,ENG,WORD.....15
DECAL KIT,AL5L,BATT,SYMBOL.....21
DECAL KIT,AL5L,BATT,WORD.....19
DECAL, DANGER, CSA OUTDOOR USE.....15, 19
DECAL, LABEL, ARROW.....11, 13, 15, 17, 19, 21
Decal, Label, Ground.....11, 13, 15, 17, 19, 21
DECAL, SYMBOL - READ THE MANUAL.....13, 17, 21
DECAL, WARN, CRUSH HAZARD,MAST.....11, 15, 19

DECAL, WARNING, CRUSH HAZARD.....11, 15, 19
DECAL,BURN HAZARD SYMBOL.....17, 21
DECAL,CONTROL PANEL,AL4L BAT.....11, 13
DECAL,CONTROL PANEL,AL4L GEN.....15, 17
DECAL,CONTROL PANEL,AL5L.....19, 21
DECAL,COSMETIC TEREX,AL4,AL4L.....11, 13, 15, 17
DECAL,COSMETIC TEREX,AL5,AL5.....19, 21
DECAL,COSMETIC,AL4L.....11, 13, 15, 17
DECAL,COSMETIC,AL5L.....19, 21
DECAL,DANGER,BATTERY SAFETY***.....11, 15, 19
DECAL, DANGER, ELECTROCUTION HZD.....11, 15, 19
DECAL,DANGER,HAZARD VOLTAGE.....11, 15, 19
DECAL,DANGER,NO SMOKING.....15, 19
DECAL,DANGER-BURN/CO HAZARD.....15, 19
DECAL,DIESEL.....15, 17, 19, 21
DECAL,ENGINE SPEC,V1505.....19
DECAL,EXPLOSION HAZARD.....15, 19
DECAL,LABEL,BURN/CO2 HAZARD.....17, 21
DECAL,LABEL,LIFTING EYE.....11, 13, 15, 17, 19, 21
DECAL,LABEL,NO SMOKING,SYMB.....17, 21
DECAL,LABEL,TIE DOWN DIAGRAM.....11, 13, 15, 17, 19, 21
DECAL,LABEL,TRANSPORT TIEDOWN*.....11, 13, 15, 17, 19, 21
DECAL,LABEL-CRUSH HAZ,TOWER.....13, 17, 21
DECAL,LABEL-ELEC HAZ,DISTANCE.....13, 17, 21
DECAL,LABEL-ELEC HAZ,SERV MAN.....13, 17, 21
DECAL,NOTICE,OP INSTRAL4/5L.....11, 15, 19
DECAL,SYMBOL-BATTERY SAFETY.....13, 17, 21
DECAL,TIP HAZARD SYMBOL.....13, 17, 21
DECAL,TIRE SPECIFICATION.....11, 15, 19
DECAL,TOW SPEED SYMBOL.....13, 17, 21
DECAL,WARN,BURN HAZARD.....15, 19
DECAL,WARN,CRUSH HAZARD HAND.....11, 15, 19
DECAL,WARN,READ MANUAL.....11, 15, 19
DECAL,WARNING BURN HAZ.....15, 19
DECAL,WARNING TIP-OVER HAZ.....11, 15, 19
DECAL,WARNING TOW SPEED.....11, 15, 19
DECAL,WARNING,CRUSH HZD,TOWER.....11, 15, 19
DECAL,WARNING,CRUSHING.....15, 17, 19, 21
DECAL,WARNING,CRUSHING HAZARD.....13, 17, 21
DECAL,WARNING,TIP-OVER,BATT.....11
DECAL,WARNING,TIP-OVER,SYM.....13, 17, 21
DIODE RECTIFIER ASSEMBLY.....51, 59
DIODE,MARATHON.....49
DIPSTICK,OIL,KUBOTA.....45
DOME LIGHT ACCESSORY,ALXL.....79

Part Description Index (continued)

DOOR, ROADSIDE, AL4L,BATT,SYMB.....33, 35
 DOOR, ROADSIDE,AL4L,BATT,WORD.....33, 35
 DOOR, ROADSIDE,AL4L,ENG,SYMB.....33, 35
 DOOR, ROADSIDE,AL5L,SYMB.....31
 DOOR, ROADSIDE,AL5L,WORD.....31
 DOOR,CURBSIDE,AL4L,BATT,SYMB.....33, 35
 DOOR,CURBSIDE,AL4L,BATT,WORD.....33, 35
 DOOR,CURBSIDE,AL4L,ENG,SYMB.....33, 35
 DOOR,CURBSIDE,AL4L,ENG,WORD.....33, 35
 DOOR,CURBSIDE,AL5L,SYMB.....31
 DOOR,CURBSIDE,AL5L,WORD.....31
 DOOR,ROADSIDE,AL4L,ENG,WORD.....33, 35
 DRIVE DISC(C-107) MARATHON.....49

E

ELEC BOX, BATTERY,SYMB, AL4L.....51
 ELEC BOX, GENERATOR,SYMB, AL4L.....55
 ELEC BOX, SYMB, AL5L.....59
 ELEMENT,AIR CLEANER,KUBOTA.....49
 ELEMENT,FUEL FILTER,KUBOTA.....47
 END CAP, RED, BATTERY WATERING.....81
 ENG FOOT/RAD SUPPORT, ROADSIDE.....41
 ENGINE ACCESSORY TEMP SENDER.....47
 ENGINE FOOT/RAD SUPPORT,CURBSD.....41
 ENGINE RISER,2/75"H,FOR 1/2BLT.....41
 ENGINE,KUBOTA,D1105 PAK.....41
 ENGINE,KUBOTA,D1105,OLDREV,PAK.....43

F

FACE PLATE W/DECAL,AL4L,BATT.....51
 FACE PLATE W/DECAL,AL4L,ENG.....53
 FACE PLATE W/DECAL,AL5L.....57
 FAN,PUSHER,KUBOTA 15263-12370.....45
 FENDER W/SKIRT,STEEL.....23
 FILM,POLY,CLEAR,4.5 X 8.75.....11, 13, 15, 17, 19, 21
 FILTER,FUEL,KUBOTA.....47
 FILTER,FUEL,KUBOTA,W/O BRKT.....41
 FILTER,IN-LINE,FUEL,5/16".....47
 FILTER,OIL,KUBOTA.....47
 FOAM CABINET DOOR5430AL5/7000.....31, 33, 35
 FORMING LTBAR HOLDER UPPER.....67
 FORMING, CONT BOX BODY AL4/5L.....53, 57
 FORMING, CONT BOX DUPLEX COVER.....59
 FORMING, CONT BOX FRONT AL4/5L.....53, 57
 FORMING, CONT BOX FRONT AL4L.....51
 FORMING, CONT BOX REAR AL4/5L.....53, 57
 FORMING, CONT BOX REAR AL4L.....51
 FORMING, CONT BOX TOP AL4/5L.....53, 57
 FORMING, QUICK ADJUST DETENT L.....75
 FP-BATTERY HOLD-DOWN ROD.....29
 FP-BATTERY HOLDOWN ANGLE.....29
 FP-BUMPER PAD,KICKOUT SPRING.....65, 67
 FP-CLAMP,SPARE TIRE BRACKET.....79
 FP-CONTROL BOX,TOP.....51
 FP-FUEL TANK 20GAL W/DRAIN.....29
 FP-GEN MNT BAR,MAR SM HOLES.....49
 FP-LOCK LEVER, AL SERIES.....71
 FP-SHIM 1/4X2X3-3/16 PLASTIC.....71
 FP-SHIM 3/16X2X19-3/4 PLASTIC.....71
 FP-SHIM 3/16X2X3-3/16 PLASTIC.....71

FP-SHIM 3/8 X 2 X 2.25 PLASTIC.....73
 FP-SHIM 5/16X2X2-1/4 PLASTIC.....73
 FP-SHIM 5/16X2X3-3/16 PLASTIC.....71
 FRAME SPACER,K-1550.....77
 FRAME SPACER,K-1550 (7584).....77
 FRAME WITH DECALS, AL4L.....29
 FRAME WITH DECALS, AL5L.....29
 FRONT PANEL, AL4L,SYMBOL.....33, 35
 FRONT PANEL,AL4L,WORD.....33, 35
 FRONT PANEL,AL5L,SYMB.....31
 FRONT PANEL,AL5L,WORD.....31
 FUEL TANK PAN, 30 GAL, AL4.....29
 FUEL TNK ASSY,PLAS,30G,AL4.....29
 FUEL TNK ASSY,PLAS,30G,AL5&AL8.....29
 FULTON HANDLE FOR JACK.....23
 FUSE BLOCK, ANN & ANL FUSE.....51, 59
 FUSE,50 AMP,VERY FAST ACTING.....51, 59

G

GASKET (52532) OIL DRAIN, D905.....45
 GASKET,EXHAUST MANIFOLD,D905.....45
 GASKET,INJECTION PUMP.....47
 GASKET,MUFFLER,KUBOTA D905/11.....45
 GASKET,SOLENOID,KUBOTA.....47
 GASKET,VALVE COVER CAP, WG750.....47
 GASKET,WATER PUMP.....45
 GASKET-DRAIN PLUG,ENG OIL PAN.....45
 GENERATOR,6KVA,240VAC,60HZ.....49
 GENERATOR,8KW,240V,60HZ,MAR.....49
 GREASE CAP, AXLE, 3000LB.....25, 27
 GROUND ROD STORAGE TUBE 4397.....37
 GUARD,FAN,KUBOTA.....41

H

HAMMERBLOW 033008COTTER PIN.....25, 27
 HAMMERBLOW HANDLE FOR JACK.....23
 HAMMERBLOW SPINDLE NUT,AXLE.....25, 27
 HANDLE SOCKET RATCHET.....77
 HANDLE,CHROME,5.75".....37
 HASP CABINET DOOR5584AL4/5.....37
 HINGE, BUTT.....35
 HINGE,PIANO,1.5"W X 51.75"L.....31, 33
 HITCH RING,COMBO,16"LENGTH.....39
 HITCH,2.5"RING,6 TON.....39
 HITCH,3"RING,6TON.....39
 HITCH,RING,BOLT-ON 2.5" ID.....39
 HOSE FITTING PIPE/BAR.....47
 HOSE, INTAKE, KUBOTA D1105.....49
 HOSE,FUEL,1/4"ID,PUSH LOK,200#.....41, 43
 HOSE,FUEL,1/8"ID.....47
 HOSE,FUEL,5/16"ID.....47
 HOSE,OIL,3/8 0250PS1.....45
 HOSE,RADIATOR,LOWER,KUBOTA.....41, 43
 HOURMETER,DIGITAL,RECTANGULAR.....51, 55, 59
 HUB SPACER.....49

I

IDLER HUB,ALXL.....25, 27
 IGNITION SWITCH KIT.....55, 59
 IGNITION SWITCH,LEVER OPR.....55, 59
 INNER BEARING.....25, 27
 INSTRUCTIONS,IES CHARGER.....51, 59
 INSULATED NEUTRAL KIT.....51, 55, 59
 ISOLATOR, ENGINE MOUNT.....49
 ISOLATOR,ENGINE,30 DUR,2.5DIA.....41

ISOLATOR,ENGINE,390LB.....43

J

J-HOOK,BATT HOLD DOWN.....29
 JACK BRACKET,WELD ON SWIVEL.....23
 JACK,MECHANICAL,3000LB.....23
 JUMPER-GLOW PLUG.....47

K

KIT COIL CORD WO/ JUNCTION BOX.....61
 KIT, COIL CORD HW.....51, 55
 KIT,5-WIRE TRAILER LIGHT HRNS.....61
 KIT,ASSY,LED,IES CHARGER.....29, 51, 59
 KIT,AXLE,U-BOLT & PLATE & NUTS.....23
 KIT,CABLE,UPPER AL4&5/LT5/SL4.....63
 KIT,SHACKLE AND BOLT ASSY.....23
 KIT- CABLE ASSY LOWER 1/4" AL4.....63
 KIT- WINCH - SOCKET FULTON.....77
 KIT-WINCH SAFETY LOCK.....77
 KIT-WINCH W/SAFETY LO.....77
 KIT:BATTERY BRKT TO CAB.....29
 KIT:BOOK BRACKET TO CAB.....29
 KIT:FENDERS TO CAB-SIDE.....23
 KIT:GROUND ROD TO CABINET.....37
 KIT:LOCK SLIDE PIN W/.....65, 67
 KIT:SLIDE LOCK PIN.....37
 KIT:TOWER,30",6"ROUND TUBE.....69
 KIT:TWR,30"CBL TO PIVOT POST.....65, 67
 KUBOTA FAN COVER.....43
 KUBOTA 01123-50820 BOLT.....45
 KUBOTA 01202-50612 BOLT.....45
 KUBOTA 15111-72200 WASHER.....41, 43
 KUBOTA 15263-12370BAND PIPE.....49
 KUBOTA 15263-12370CUSHION.....41, 43
 KUBOTA 16221-73270GASKET.....45
 KUBOTA 16259-73430.....45
 KUBOTA 66711-54520COV.....45
 KUBOTA BELT COVER.....45
 KUBOTA CUSHION.....41, 43
 KUBOTA DYNAMO STAY.....45
 KUBOTA EXHAUST MANIFOLD.....45
 KUBOTA FLANGE BOLT.....45
 KUBOTA GLOW PLUG.....47
 KUBOTA HEAD COVER GASKET.....45
 KUBOTA HOSE,D905, D1105.....41, 43, 45
 KUBOTA INJECTOR PUMP, D1105.....47
 KUBOTA KIT, HOLDER,NOZZLE.....47
 KUBOTA NUT.....45
 KUBOTA O-RING.....45
 KUBOTA OIL FILLER PLUG,V1305.....45
 KUBOTA OVER FLOW PIPE.....47
 KUBOTA OVERFLOW PIPE.....47
 KUBOTA RAD ISOLATOR BOLT.....41, 43
 KUBOTA SNAP PIN.....41, 43
 KUBOTA WASHER, PLAIN.....45
 KUBOTA WATER PIPE.....41, 43, 45
 KUBOTA WATER PIPE 16241-73350.....45

L

Label - Burn Hazard.....17, 21
 LABEL, CSA NEUTRAL BOND TO GND.....15, 19
 LABEL, SHORE PLUG.....15
 LABEL, TIP-OVER BATTERIES.....13
 LABEL, WINCH, RAISE & LOWER.....11, 13, 15, 17, 19, 21
 LABEL,TRAVEL LOCK.....11, 15, 19
 LIGHT BAR WITH DECAL, ALXL.....75

LIGHT INDICATOR 12VRED.....55, 59
 LIGHT,DOME, 12V DC.....79
 LIGHT,LICENSE TAG W/BACKET.....37
 LIGHT,RECESSED,TAIL/STOP/TURN.....37
 LIGHT,SIDE MKR,AMBER,RECESSED.....37
 LIGHT,SIDE MKR,RED,RECESSED.....37
 LOCKNUT, CONDUIT 3/4CSA APPVD.....29, 37

M

MA-PIN LOCK SLIDE WITH RING.....65, 67
 MAGNET SPRING,ELEC BRAKE,ALXL.....27
 MAGNET,ELEC BRAKE, ALXL.....27
 MANIFOLD,BATTERY WATERING.....81
 MARATHON SUPPRESSOR/VARISTOR.....49
 MUFFLER BRACE.....41, 43
 MUFFLER, KUBOTA, ASM.....45

N

NIPPLE CHASE 3/4CSA APPVD.....37
 NOTOR MOUNT BRACKET,KUBOTA 905.....43
 NUT.....79
 NUT CLIP 1/4 -20X3/4.....41, 43
 NUT HEX JAM 3/4-16NF.....29
 NUT LOCK NYLON INSERT.....69
 NUT LOCK NYLON INSERT 3/8.....29, 31, 33, 35, 71, 79
 NUT,7/16,FH,ZINC,BRAKE, ALXL.....25, 27
 NUT,EXHAUST MANIFOLD.....45
 NUT,FLG-LRG,3/8-16,YZ.....29
 NUT,HEX,1-8.....39
 NUT,HEX,JAM,1/2-13.....77
 NUT,LOCK,3/8-16.....77
 NUT,LOCK,8-32.....59
 NUT,LP NYLOCK,1/4-20.....29, 75
 NUT,NYLOCK,1/2-13.....23, 39, 75, 77
 NUT,NYLOCK,1/2-13 GR2.....29, 31, 33, 35, 41, 43, 49, 65, 67, 71
 NUT,NYLOCK,1/2-20.....69
 NUT,NYLOCK,1/4-20.....23, 29, 37, 59, 75
 NUT,NYLOCK,1/4-20 GR2.....31, 37
 NUT,NYLOCK,10-32.....37
 NUT,NYLOCK,4-40.....51, 55, 59
 NUT,NYLOCK,5/8-11.....39
 NUT,NYLOCK,8-32.....51, 55, 59
 NUT,TL FLG,3/8-16,G,ZAG.....23
 NUT,TL FLG,M8-1.25,DIN6927,10,ZAB.....35
 NUT,TL,1/4-20,C,ZAG.....23, 29, 33, 35, 37, 51, 55, 65, 67, 75
 NUT,WHEEL, 1/2 X 20.....23, 25, 27, 79
 NUT,WING 3/8-16 ZP.....29
 NUTSERT,1/4-20.....37, 51, 53, 57

O

O-RING.....49
 OUTRIGGER 3X2X33REARAL5000.....23
 OUTRIGGER,2X2X42,GALVANIZED.....23

P

PIN 1X9-1/4 TOWER PIVOT.....65, 67
 PIN QUICK 1/4X 1.75 ZP.....37, 39
 PIN,PLUNGER,OUTRIGGER, KIT.....23
 PINION GEAR AND DISC K-1550.....77
 PINION GEAR AND DISC K-1550 (7590).....77
 PIPE,INJECTOR 1,D905,D1105.....47
 PIPE,INJECTOR 2,D905,D1105.....47
 PIPE,INJECTOR 3,D905,D1105.....47

PLATE COIL CORD CAB MOUNT.....29
 PLATE, BATTERY DECAL MOUNT.....29
 PLATE, LIGHT ROTATION LOCK.....75
 PLATE,LIGHT ROTATION LOCK.....75
 PLATE,SIDE,COMBO HITCH,BOLT-ON.....39
 PLUG PLASTIC DOME 3".....37
 PLUG, 4", CAPPLUG.....37
 PLUG, ENGINE OIL, D1105.....45
 PLUG,30A TWIST LOCK 3 PRONG.....55, 59
 PLUG,DRAIN,FUEL TANK.....29
 PLUG,ENGINE OIL DRAIN,D-905***.....45
 PULLEY,FAN,KUBOTA, D-905,GS68.....45
 PUMP COUPLER W/ DUST CAP.....81
 PUMP,FUEL, 12VDC.....47

R

RACE,ALXL,840377,841050.....25, 27
 RADIATOR BRACKET.....43
 RADIATOR HOSE,KUBOTA.....41, 43
 RADIATOR, KUBOTA, D905 & D1105.....41, 43
 RATCHET ARM FULTONWI.....77
 RATCHET GEAR,K-1550 1/2" I.D. (6777).....77
 RATCHET KIT (K-1500,K-1550)**.....77
 REAR PANEL,AL4L,BATT,SYMB.....33, 35
 REAR PANEL,AL4L,ENG,SYMB.....33, 35
 REAR PANEL,AL5L,SYMB.....31
 RECEP 30A 20V 3POLE.....55, 59
 RECEPTACLE 20A 120V DUPLEX GFI.....55, 59
 REFLECTOR,SCOTCHLITE,2"X18".....11, 13, 15, 17, 19, 21
 RELAY 12V DC 30A NO OR.....55, 59
 RELAY,120V/120V 30A.....51, 59
 RETAINER,SPRING,1.21 X .375.....23
 RETAINING RING.....77
 RETAINING RING (6200).....77
 RETRACTOR SPRING,E BRK,ALXL.....27
 RIVET,POP,SS,3/16"X1/2" BLIND.....29, 31, 33, 37, 51, 53, 57, 59, 71, 73
 ROLL PIN 1/4 X1-5/8.....65, 67

S

SCREW #10-24NCX1/2RD.....79
 SCREW #10-32NFX3/4 LO.....65
 SCREW 1/2-13NCX1-1/2H.....23, 31, 33, 35, 37
 SCREW 1/4-20NCX5/8 HW.....29, 31, 33, 35, 37, 47, 51, 53, 57
 SCREW 3/8-16NCX1 HHC GR.....63
 SCREW 3/8-16NCX1-1/4H.....49
 SCREW 3/8-16NCX1-1/4HHC GR8 YZ.....29
 SCREW FLANGE 1/4 -20X.....41, 43
 SCREW, PANHEAD, 10-32 X 5/8.....67
 SCREW,FLANGE,1/4-20X1/2" PATCH.....37
 SCREW,HHC,1/2-13 X 1.5 GRD 8.....29, 75
 SCREW,HHC,1/2-13 X 10.....29
 SCREW,HHC,1/2-13 X 2 GR5.....23
 SCREW,HHC,1/2-13 X 3.....71
 SCREW,HHC,1/2-13 X 3 G.....65, 67
 SCREW,HHC,1/2-13 X 3.5 GR8.....31, 33, 35, 43
 SCREW,HHC,1/2-13 X 4 G.....23, 39, 49
 SCREW,HHC,1/2-13 X 4.5,GRD.8.....39
 SCREW,HHC,1/2-13 X 5.5,GRD.8.....39
 SCREW,HHC,1/2-13 X 6.....39
 SCREW,HHC,1/2-13 X 6 GR8 ZP.....39
 SCREW,HHC,1/2-13X7 GR5 YEL.....41
 SCREW,HHC,1/4-20 X .75.....29, 37
 SCREW,HHC,1/4-20 X 1.....23, 37, 75

SCREW,HHC,1/4-20 X 1.25.....51, 59
 SCREW,HHC,1/4-20 X 3/4 GR2 ZP.....31, 33
 SCREW,HHC,1/4-20 X 4.....75
 SCREW,HHC,1/4-20X.75,8,ZAG.....29, 37
 SCREW,HHC,1/4-20X1.8,ZAG.....37, 75
 SCREW,HHC,1/4-20X2.00,GR8.....65, 67
 SCREW,HHC,3/8-16 X 1 GR 5 ZP.....65, 67
 SCREW,HHC,3/8-16 X 1.5.....49
 SCREW,HHC,3/8-16 X 3.75.....31, 33, 35, 71
 SCREW,HHC,3/8-16 X 4.5 ZP.....79
 SCREW,HHC,3/8-16 X 5 GRD 5 ZNC.....23
 SCREW,HHC,3/8-16 X 5.5 GRD 8.....77
 SCREW,HHC,3/8-16 X 6.....77
 SCREW,HHC,3/8-16 X 7/8.....63
 SCREW,HHC,5/16-18 X 0.5 IN.....65, 67
 SCREW,HHC,5/8-11X4.50,GR8,Y.....39
 SCREW,HHC,M10X1.25 X 35MM GR 8.....41, 43
 SCREW,M8 X 35MM.....45
 SCREW,PHILLIPS,PHM,10-32 X 1.....37
 SCREW,PHILLIPS,PHM,4-40 X .50.....51, 55, 59
 SCREW,PHILLIPS,PHM,8-32 X .5.....59
 SCREW,PHILLIPS,PHM,8-32 X 1.25.....51, 55, 59
 SCREW,PHM,10-16 X 3/4.....51, 53, 57
 SCREW,PHM,6-32 X .25.....51, 55, 59
 SCREW,RH,6-32 X 5/8.....75
 SCREW,RHM,1/4-20 X 1.50.....51, 55, 59
 SCREW-AIR BREATHER, D905.....47
 SEAL,GREASE (SL173).....25, 27
 SERIAL LABEL,BLANK,4X8,CHROME*.....11, 13, 15, 17, 19, 21
 SERVICE KIT,PINION SHAFT-K1550.....77
 SERVICE KIT,PINION SHAFT-K2550.....77
 SHEAVE 3-1/8 X15/16.....69, 71, 73
 SHEAVE SPOOL 3 X2-1/2.....65, 67
 SHOE AND LINING KIT,ALXL,ELEC.....25
 SHOE AND LINING KIT,ALXL,HYD.....27
 SHOE HOLD DOWN SPRING,ALXL.....25, 27
 S I D E P A N E L , C U R B S.,AL4L,BATT,SYMB.....33, 35
 S I D E P A N E L , C U R B S.,AL4L,BATT,WORD.....33, 35
 SIDE PANEL,CURB S.,AL4L,ENG,SYMB.....33, 35
 S I D E P A N E L , C U R B S.,AL4L,ENG,WORD.....33, 35
 SIDE PANEL,CURB S.,AL5L,SYMB.....31
 SIDE PANEL,CURB S.,AL5L,WORD.....31
 SIDE PANEL,R.S.,AL4L,BATT,WORD.....33, 35
 SIDE PANEL,R.S.,AL4L,BATT,SYMB.....33, 35
 SIDE PANEL,R.S.,AL4L,ENG,SYMB.....33, 35
 SIDE PANEL,R.S.,AL4L,ENG,WORD.....33, 35
 SIDE PANEL,ROADSIDE,AL5L,SYMB.....31
 SIDE PANEL,ROADSIDE,AL5L,WORD.....31
 SLEEVE,COIL CORD,AL4,AL5.....71
 SNAP RING,JACK (841430).....23
 SOLENOID,KUBOTA D9/1105 SHTDWN.....47
 SPACER, 5 ID 1.25ODNO. 5968.....77
 SPACER, DRUM BOLT, K-1550.....77
 SPACER,.25 THREADED LIGHT.....75
 SPACER,.375 THREADED LIGHT.....75
 SPACER,PINION SHAFT (32890).....77
 SPACER,SIDE,COMBO,HTCH,BOLT-ON.....39
 SPARE TIRE ACCESSORY,ALXL.....79
 SPARE TIRE MT,5 LUG WHEEL.....79
 SPRING, OUTRIGGER.....75
 SPRING,COIL,1/2 X 2.25.....65, 67

Part Description Index (continued)

SPRING,GAS,16",80LBS.....37
 SPRING,KICKOUT,0.262X1.75,AL'S.....65, 67
 SPRING,LEAF FOR AXLE, 4 PLY.....23
 STARTER,KUBOTA,D1105/905.....45
 STD LED FIXTURE,48V.....75
 STRAIN RELIEF, 1/2".....51, 55, 59
 STUD,EXHAUST MANIFOLD.....45
 SVC KIT, FRICTION DISC K/KX.....77
 SVC KIT,TAILLIGHTS,AL.....61
 SWITCH PUSH-BUTTON W/BOOT.....55, 59
 SWITCH,LOW OIL PRESS,KUBOTA.....45
 SWIVEL TEE, BATTERY WATERING.....81

T

TAIL LIGHT,RED,LED.....31
 TAIL PIPE, KUBOTA.....45
 TAILPIPE COVER.....37
 TAILPIPE,8K EXHAUST.....45
 TANK,RECOVERY,COOLANT,KUBOTA.....41, 43
 TERMINAL BLOCK,MARATHON GENERATOR(85206).....49
 TERMINAL STRIP 8 POLE.....59
 THERMOSTAT.....45
 THERMOSTAT COVER.....45
 TIMER,REPEAT,48V/120V 5H/15M.....51, 59
 TONGUE WITH DECAL, ALXL.....23
 TOP PANEL W/DEC,AL4L,ENG,SYMB.....33, 35
 TOP PANEL W/DEC,AL4L,ENG,WORD.....33, 35
 TOP PANEL W/DEC,AL5L,ENG,SYMB.....31
 TOP PANEL W/DEC,AL5L,ENG,WORD.....31
 TOWER BASE ASSY W/DEC,ALXL,SYM.....65
 TOWER BASE ASSY W/DEC,ALXL,WRD.....65
 TOWER BASE ROT.TWR.30.....67
 TRAILER FRAME 41X70W.....23
 TRAVEL LOCK W/DECAL,ALXL,WORD.....37
 TUBE,CLAMPLESSERRING.....81
 TUBE,LIGHT BAR SPACER.....75

V

V-BELT,KUBOTA.....45
 VALVE COVER, D905.....45
 VALVE,AIR CLEANER,KUBOTA.....49

W

WASHER FLAT 1/2ZP.....29, 41, 43, 71
 WASHER FLAT 1/45/8 SBIN.....31, 33, 35, 37
 WASHER FLAT 1/4ZPLENSETBIN.....31, 33, 35
 WASHER FLAT 1S/S 18-8BIN.....65, 67
 WASHER FLAT 3/8 S/S 18-8 BIN.....29, 49
 WASHER FLAT 3/8USS ZPBIN.....31, 33, 35, 65, 67, 79
 WASHER FLAT BONDED3/1.....79
 WASHER FLAT C816L S/S.....77
 WASHER FLAT FENDER1/2.....43
 WASHER LOCK 1/2ZP.....31, 33, 35, 37, 39, 49
 WASHER LOCK 3/8ZP.....49, 63, 65, 67
 WASHER LOCK STAR 3/8.....29
 WASHER RECTANGULAR1/4.....31, 33, 35
 WASHER,FLAT,.375 X 1.5 X .125.....63
 WASHER,FLAT,1.000,HARDENED.....39
 WASHER,FLAT,1/2 SS 18-8 BIN.....31, 33, 35, 37
 WASHER,FLAT,3/4 ZP.....29
 WASHER,FLAT,MS,#10,Y.....37

WASHER,FLAT,SAE 1/4,ZINC.....23, 37
 WASHER,FLAT,SAE,3/8",Y.....49
 WASHER,FLAT,SNUB 1/2X2-3/4 ZN.....41, 49
 WASHER,FLAT,USS,1/2",Y.....23, 29, 39, 75
 WASHER,FLAT,USS,1/4"Y.....29, 51, 59, 75
 WASHER,FLAT,USS,3/8",Y.....23
 WASHER,FLAT,USS,5/16",Y.....35
 WASHER,FLAT,USS,5/8",Y.....39
 WASHER,LOCK,#6 SS.....51, 55, 59
 WASHER,LOCK,M10 ZP.....41, 43
 WASHER,PLAIN,1".....25, 27
 WASHER,UHMW, 9/16 X 3.00.....75
 WASHER,UHMW,13/16 IDX3 ODX1/8.....75
 WATER PUMP ASSY,KUBOTA.....45
 WELDMENT, BATT TRAY CURBSIDE.....29
 WELDMENT, BATT TRAY ROADSIDE.....29
 WELDMENT, CHASSIS.....23
 WELDMENT, QUICK ADJUST LEFT.....75
 WELDMENT,MAST 2" SECTION,LED.....73
 WHEEL CYLINDER, LH, ALXL.....25
 WHEEL CYLINDER, RH, ALXL.....25
 WHEEL/TIRE ASSY,15",205/75 LRC.....23
 WINCH BRACKET, DRUM BOLT LOCK.....77
 WINCH BRACKET, DRUM BOLT LOCK (31946).....77
 WINCH HANDLE W/TUBE1 X 29LG.....67, 77
 WINCH PINION PLATE, K-1550 (7591).....77
 WIRE ASSY,ANDERSON TO BATTERY.....61
 WIRE ASSY,ANDERSON TO CONT BOX.....61
 WIRE HARN,DC,IN CTRL BOX,2006.....55, 59
 WIRE HARN,ENG,KUBOTA,DC,2006.....55, 59
 WIRING KIT, AL4L CONT BOX DC.....51
 WIRING KIT, AL5L CONT BOX, GFI.....59
 WIRING KIT,AL5L,CONT BOX,DC.....55, 59
 WIRING KIT,ALXL,TIME CIRCUIT.....51, 59, 61
 WTHRSRIP, 1/4" X 1/2"W.....23, 35

Z

ZERK,GREASE,1/8 NPT.....69

California Proposition 65



WARNING

Operating, servicing and maintaining this equipment can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. These chemicals can be emitted from or contained in other various parts and systems, fluids and some component wear by-products. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your equipment and vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your equipment or vehicle and after operation. For more information go to www.P65Warnings.ca.gov/passenger-vehicle.

Breathing diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

- Always start and operate the engine in a well-ventilated area.
- If in an enclosed area, vent the exhaust to the outside.
- Do not modify or tamper with the exhaust system.
- Do not idle the engine except as necessary.

For more information go to www.P65warnings.ca.gov/diesel.

Parts Manual

AL4L,AL5L

from SN AL4L10-001 to AL4L16-229

from SN AL4L16J-230 to AL416LJ-1499

from SN AL5L10-001 to AL5L15-128

from SN AL4LJ-1500

Part No.
228775

Rev B11

