



A TEREX BRAND

Parts Manual

Serial Number Range

Z-25/8
Z-20/8
Z-20/8N

Part No. 41315GT
Rev: C.19
November 2023

Technical Publications

Genie has endeavored to deliver the highest degree of accuracy possible. However, continuous improvement of our products is a Genie policy. Therefore, product specifications are subject to change without notice.

Readers are encouraged to notify Genie of errors and send in suggestions for improvement. All communications will be carefully considered for future printings of this and all other manuals.

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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First Edition, Third Printing

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 Printed on recycled paper

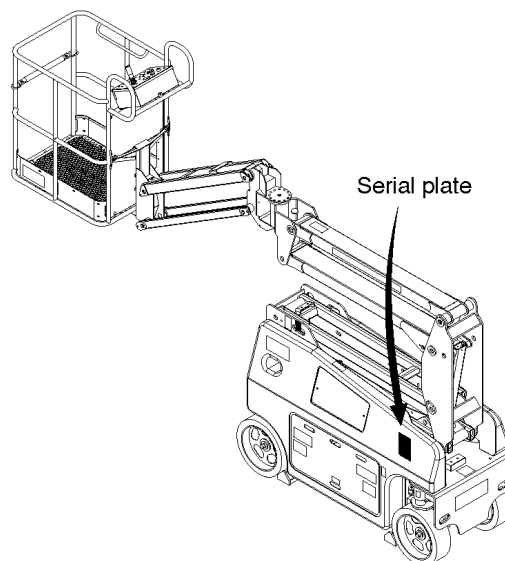
Genie Z-20/8N

- ☐ Model: Z-20/8 N
- ☐ Unladen weight: 10,750 lbs / 4,876 kg
- ☐ Serial number:
- ☐ Manufacture date: Model year:
- ☐ Power supply voltage: 48V DC
- ☐ Electrical schematic number:
- ☐ Maximum load: 440 lbs / 200 kg
- ☐ Maximum occupants: 2
- ☐ Occupants and equipment must not exceed: 440 lbs / 200 kg
- ☐ Maximum platform height: 20 feet / 6.1 meters
- ☐ Maximum horizontal reach: 8 feet 8 inches / 2.6 meters
- ☐ Maximum allowable incline of machine when boom is raised: 3 degrees
- ☐ Maximum allowable wind speed: 28 mph / 12.5 m/s / 45 km/h
- ☐ Maximum allowable side force on platform: 90 lbs / 400 N
- ☐ This machine is manufactured to comply with the latest issues of ANSI A92.5 and CAN B.354.4

44241 D

Made in the U.S.A.

Terex South Dakota, Inc.
18340 N.E. 76th Street, Redmond, WA 98052, USA



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

Required Parts

The following parts are required to perform maintenance procedures as outlined in the *Genie Z-25/8, Z-20/8 and Z-20/8N Service Manual*.

Z-25/8 Models (before serial number 212):

Description	Part No.
Hydraulic Filter.....	44788
Cotter Pin.....	42079

Z-25/8 Models (after serial number 211):

Description	Part No.
Hydraulic Filter.....	58995
Cotter Pin.....	42079

Z-20/8 Models (before serial number 122):

Description	Part No.
Hydraulic Filter.....	44788
Cotter Pin.....	42079

Z-20/8 Models (after serial number 111):

Description	Part No.
Hydraulic Filter.....	58995
Cotter Pin.....	42079

Z-20/8N Models (before serial number 896):

Description	Part No.
Hydraulic Filter.....	44788
Cotter Pin.....	42079

Z-20/8N Models (after serial number 895):

Description	Part No.
Hydraulic Filter.....	58995
Cotter Pin.....	42079

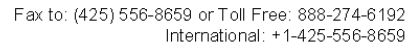
Recommended Parts

Description	Part No.
Genie Blue Paint, 1 Gallon	32150
Genie Blue Paint, 12 Ounce Aerosol	1484
Genie Gray Paint, 1 Gallon	32151
Genie Gray Paint, 12 Ounce Aerosol	1268

Manuals

Genie Industries offers the following support documents for these models:

Title	Part No.
Genie Z-25/8, Z-20/8 and Z-20/8N Operator's Manual	41313
Genie Z-25/8, Z-20/8 and Z-20/8N Service Manual.....	41314
EMI Safety Manual	27581
Manual of Responsibilities ANSI A92.5	31779



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

Optional Equipment _____

[illegible]

☐ Ship complete order only - No back orders

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

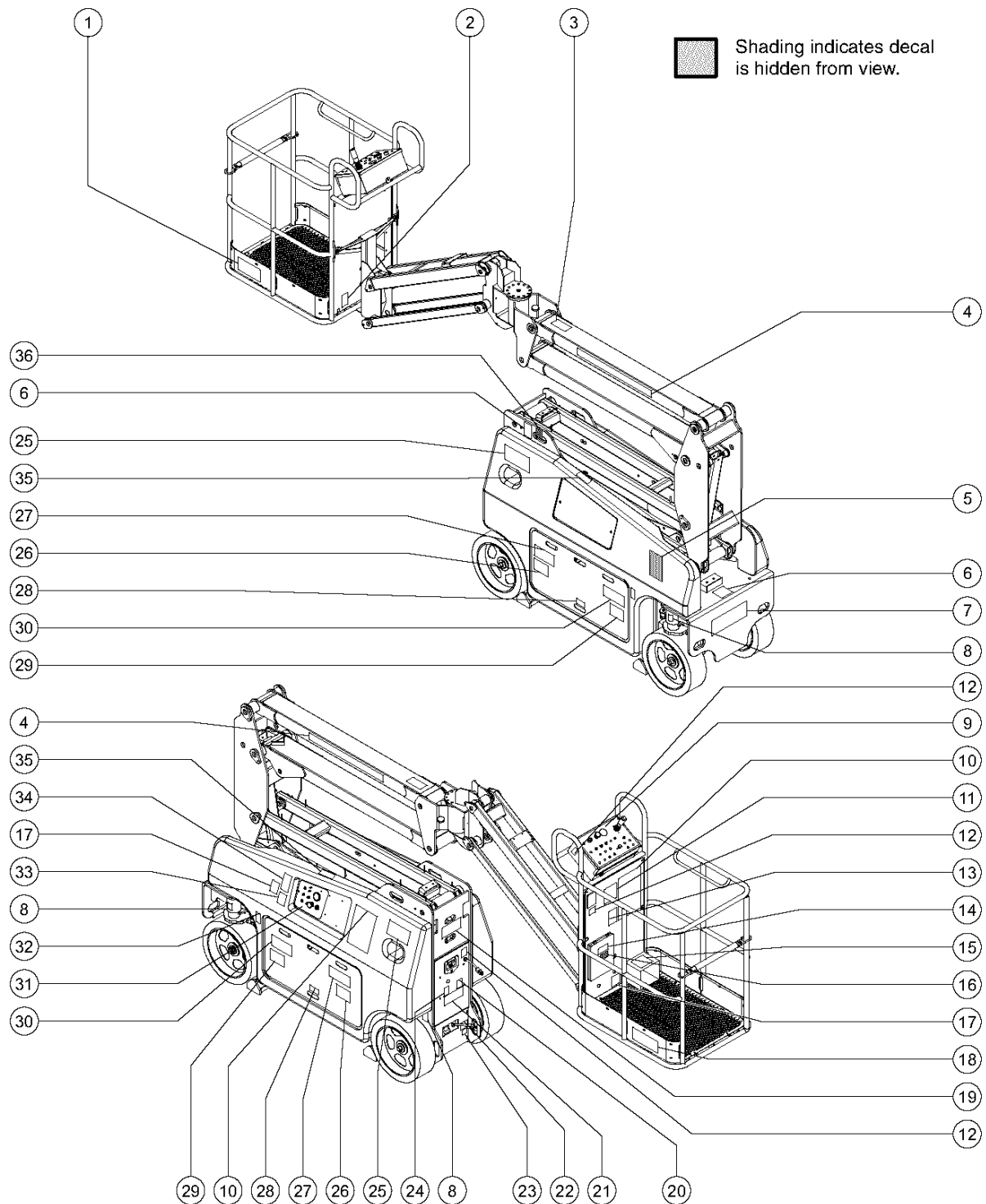
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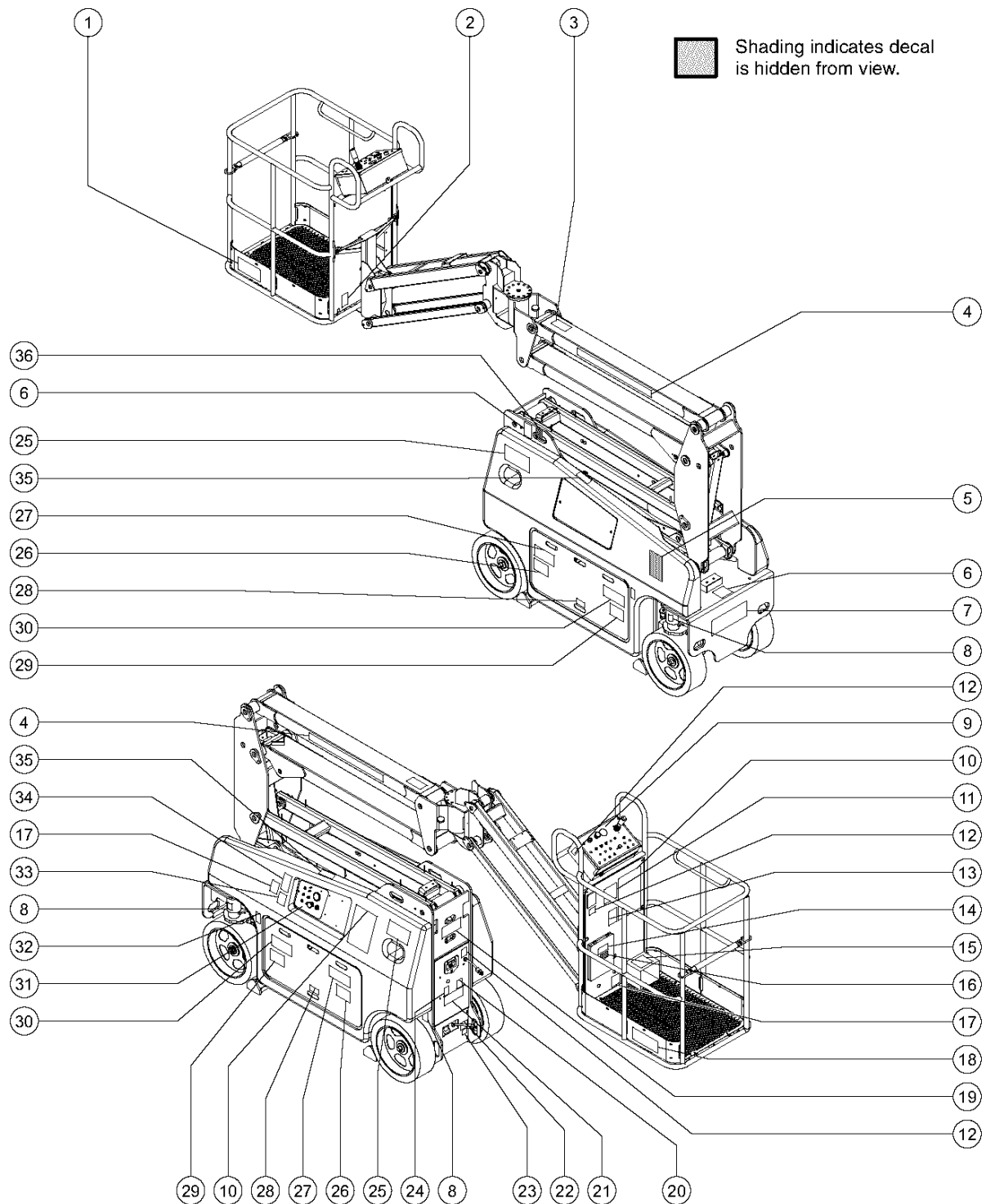
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101.1 Decals and Paint, Z-20/8



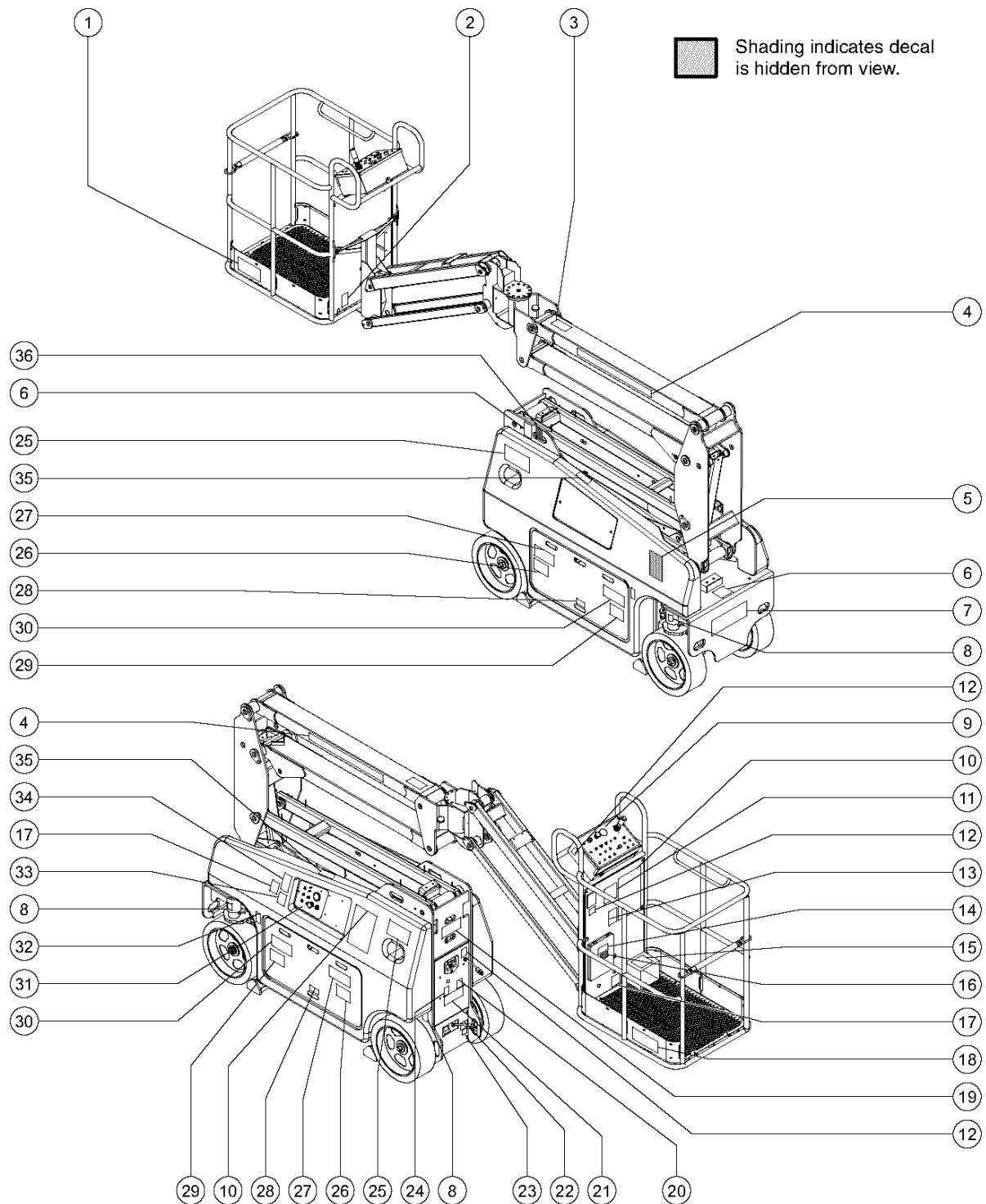
<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
	61361GT	WET PAINT,GENIE BLUE	
	1484GT	PAINT, AEROSOL, BRIGHT BLUE***	
	61362GT	WET PAINT,GENIE GRAY	
	1268GT	PAINT, AEROSOL, GENIE GRAY***	
1	44983GT	DECAL,NOTICE, MAX CAP 400 LBS	1
1-	37052GT	DECAL,NOTICE,MAX LOAD 500 LBS	1
1-	44248GT	DECAL,NOTICE,MAX CAP 440 LBS	1
2	28177GT	DECAL,WARN,CRUSH HAZARD PLAT	2
3	28181GT	DECAL,WARN,FALL HAZARD	1
4	62935GT	DECAL,COSMETIC,GENIE Z-20/8	2
5	77046GT	SERIAL # LABEL,MYLAR 4X8***	1
6	28161GT	DECAL,WARN,CRUSH HAZARD HAND	3
7	52968GT	DECAL,COSMETIC,GENIE BOOM,VERT	1
8	44239GT	DECAL, NOTICE, TIRE SPECS	4
9	72173GT	DECAL, PLATFORM CONTROL PANEL	
		Z-20/8 from SN 135	
9-	41323GT	DECAL, PLATFORM CONTROL PANEL	
		Z-20/8 to SN 134	
10	32700GT	DECAL,DANGER,GEN SAFETY RULES	2
11	44768GT	DECAL, DANGER,TIP-OVER	1
12	28235GT	DECAL, POWER TO PLATFORM 115V**	2
12-	28174GT	DECAL, POWER TO PLATFORM 230V**	2
13	44240GT	DECAL,NOTICE,OPER INST, PLAT	1
14	28236GT	DECAL,WARN,IMPROPER OPERATION	1
15	28165GT	DECAL,INSTRUCT,FOOTSWITCH OPER	1
16	28176GT	DECAL,LABEL,MANUAL NOT HERE	1
17	46305GT	DECAL, WARNING, CRUSHING HAZ	
18	37051GT	DECAL,NOTICE,SIDE FRC 150,ANSI	1
		ANSI and CSA models	
18	44986GT	DECAL,INSTR,SIDE FRC/WIND,AUS	1
		CE models	
19	44220GT	DECAL,DANGER,BRAKE REL SAFETY*	1

101.1 Decals and Paint, Z-20/8



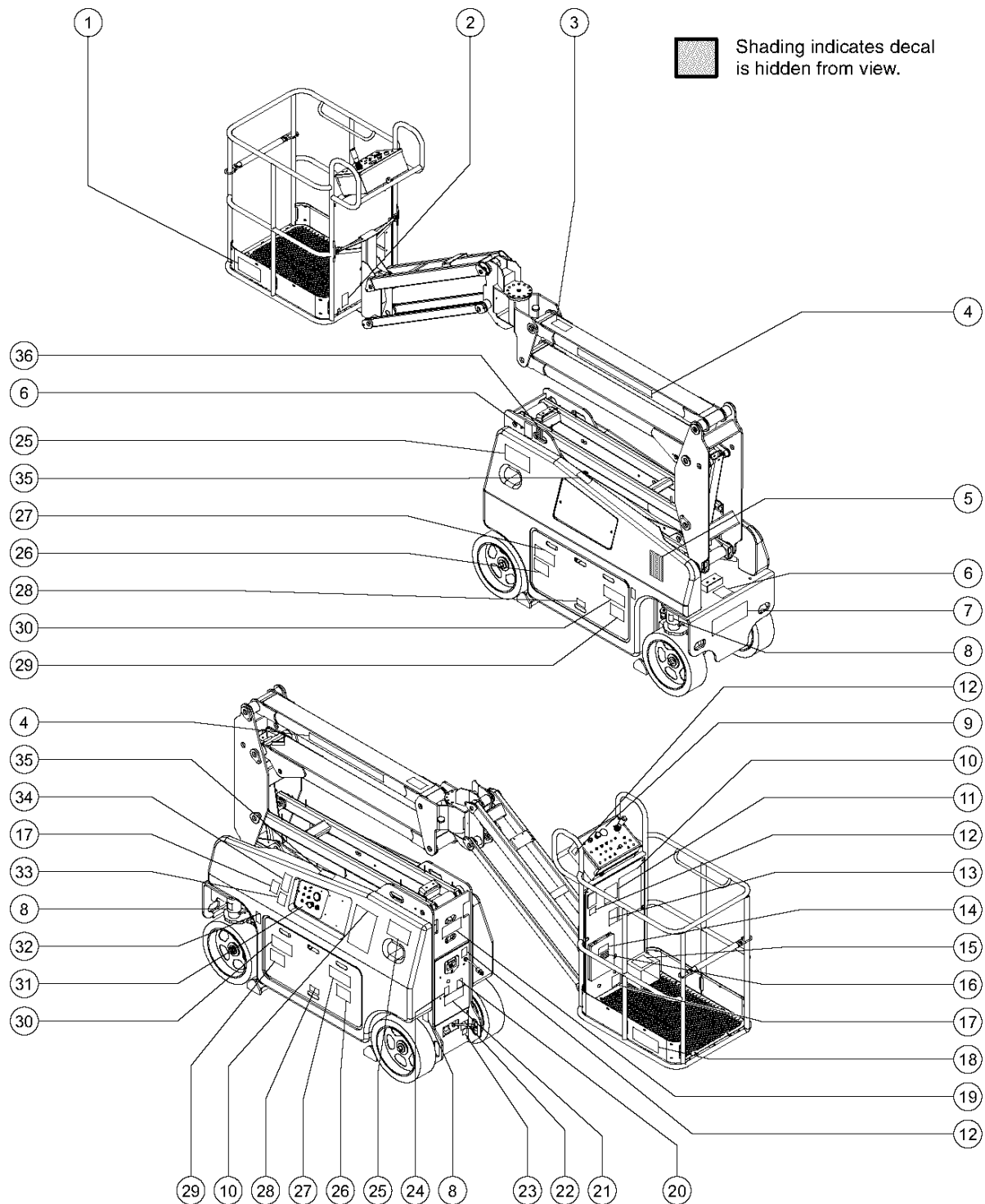
<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
20	28171GT	DECAL,DANGER,NO SMOKING ***	1
21	28175GT	DECAL,WARNING-COMPART ACCESS	1
22	31508GT	DECAL,DANGER,ELECT HAZARD,PLUG	1
23	44980GT	DECAL, LABEL, PWR TO CHARGER 115 UK	1
23-	43658GT	DECAL, LABEL, PWR TO CHARGER 230 EU	1
24	28157GT	DECAL,USE DEXRON***	1
25	27564GT	DECAL,DANGER,ELEC.HAZ.STAY CLR	2
26	44238GT	DECAL, DANGER, TIP-OVER, BATTR	2
27	31788GT	DECAL,DANGER,BATTERY SAFETY***	2
28	44737GT	DECAL,DANGER,TIP-OVER,TRAYS	2
29	44237GT	DECAL,NOTICE,BATTERY CONNECT	2
30	31785GT	DECAL,NOTICE,CHARGER INSTRUC	2
31	72174GT	DECAL, GROUND CONTROL PANEL	1
32	28372GT	DECAL,NOTICE,BATTERY CABLES	2
33	28164GT	DECAL,NOTICE,HAZARDOUS MAT'LS*	1
34	43653GT	DECAL,NOTICE, GRD OPER INSTRUC	1
35	44242GT	DECAL, LABEL, DIRECTION ARROWS	2
36	31060GT	DECAL,DANGER DO NOT ALTER SWTC	1

101.2 Decals and Paint, Z-20/8N



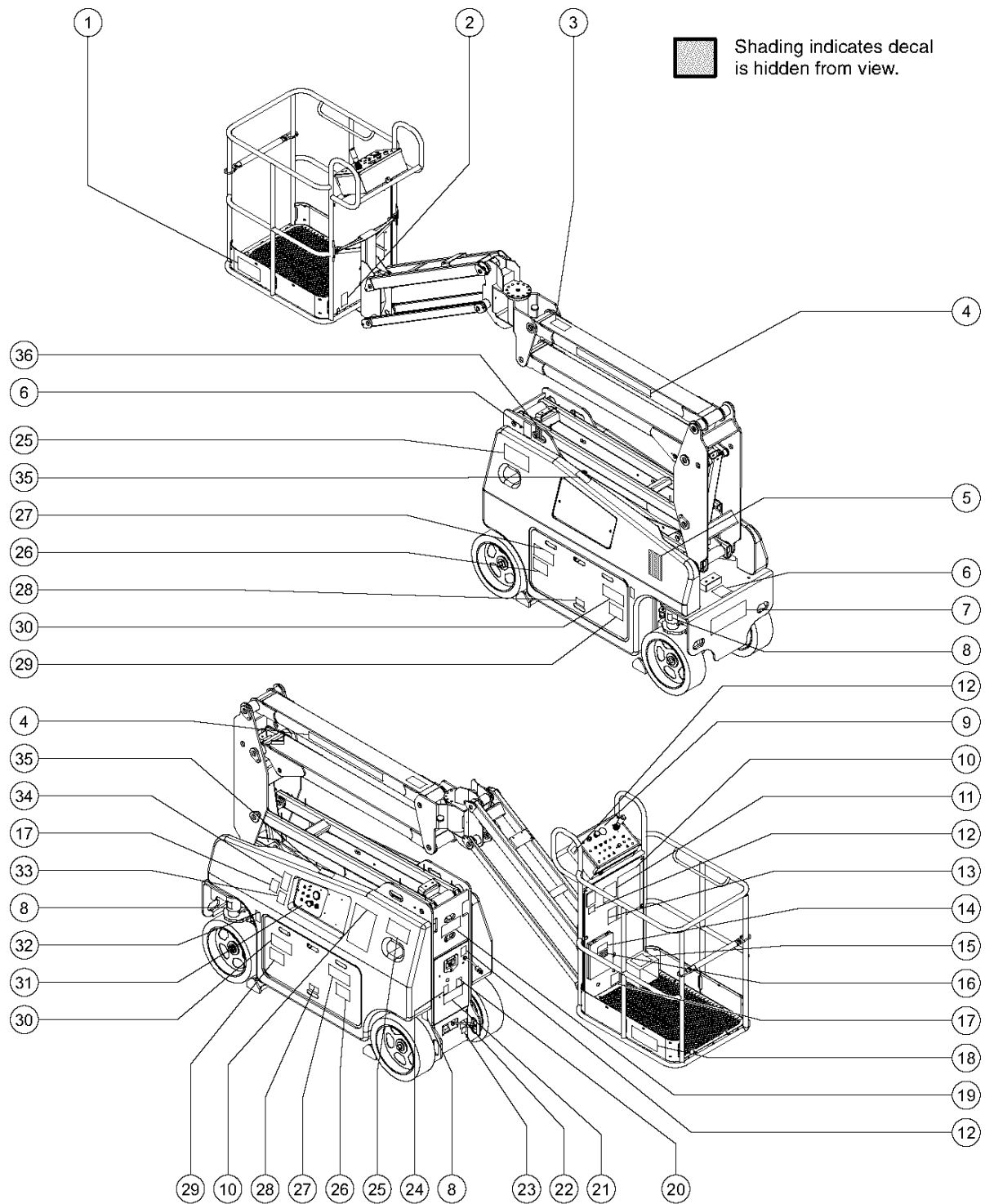
<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
	61361GT	WET PAINT,GENIE BLUE	
	1484GT	PAINT, AEROSOL, BRIGHT BLUE***	
	61362GT	WET PAINT,GENIE GRAY	
	1268GT	PAINT, AEROSOL, GENIE GRAY***	
1	44983GT	DECAL,NOTICE, MAX CAP 400 LBS	1
1-	37052GT	DECAL,NOTICE,MAX LOAD 500 LBS	1
1-	44248GT	DECAL,NOTICE,MAX CAP 440 LBS	1
2	28177GT	DECAL,WARN,CRUSH HAZARD PLAT	2
3	28181GT	DECAL,WARN,FALL HAZARD	1
4	62936GT	DECAL,COSMETIC,GENIE Z-20/8N	2
5	77046GT	SERIAL # LABEL,MYLAR 4X8***	1
6	28161GT	DECAL,WARN,CRUSH HAZARD HAND	3
7	52968GT	DECAL,COSMETIC,GENIE BOOM,VERT	1
8	44239GT	DECAL, NOTICE, TIRE SPECS	4
9	72173GT	DECAL, PLATFORM CONTROL PANEL	
		Z-20/8N from SN 1159	
9-	41323GT	DECAL, PLATFORM CONTROL PANEL	
		Z-20/8N to SN 1158	
10	32700GT	DECAL,DANGER,GEN SAFETY RULES	2
11	44768GT	DECAL, DANGER,TIP-OVER	1
12	28235GT	DECAL, POWER TO PLATFORM 115V**	2
12-	28174GT	DECAL, POWER TO PLATFORM 230V**	2
13	44240GT	DECAL,NOTICE,OPER INST, PLAT	1
14	28236GT	DECAL,WARN,IMPROPER OPERATION	1
15	28165GT	DECAL,INSTRUCT,FOOTSWITCH OPER	1
16	28176GT	DECAL,LABEL,MANUAL NOT HERE	1
17	46305GT	DECAL, WARNING, CRUSHING HAZ	
18	37051GT	DECAL,NOTICE,SIDE FRC 150,ANSI	1
		ANSI and CSA models	
18-	44986GT	DECAL,INSTR,SIDE FRC/WIND,AUS	1
		CE models	
19	44220GT	DECAL,DANGER,BRAKE REL SAFETY*	1

101.2 Decals and Paint, Z-20/8N



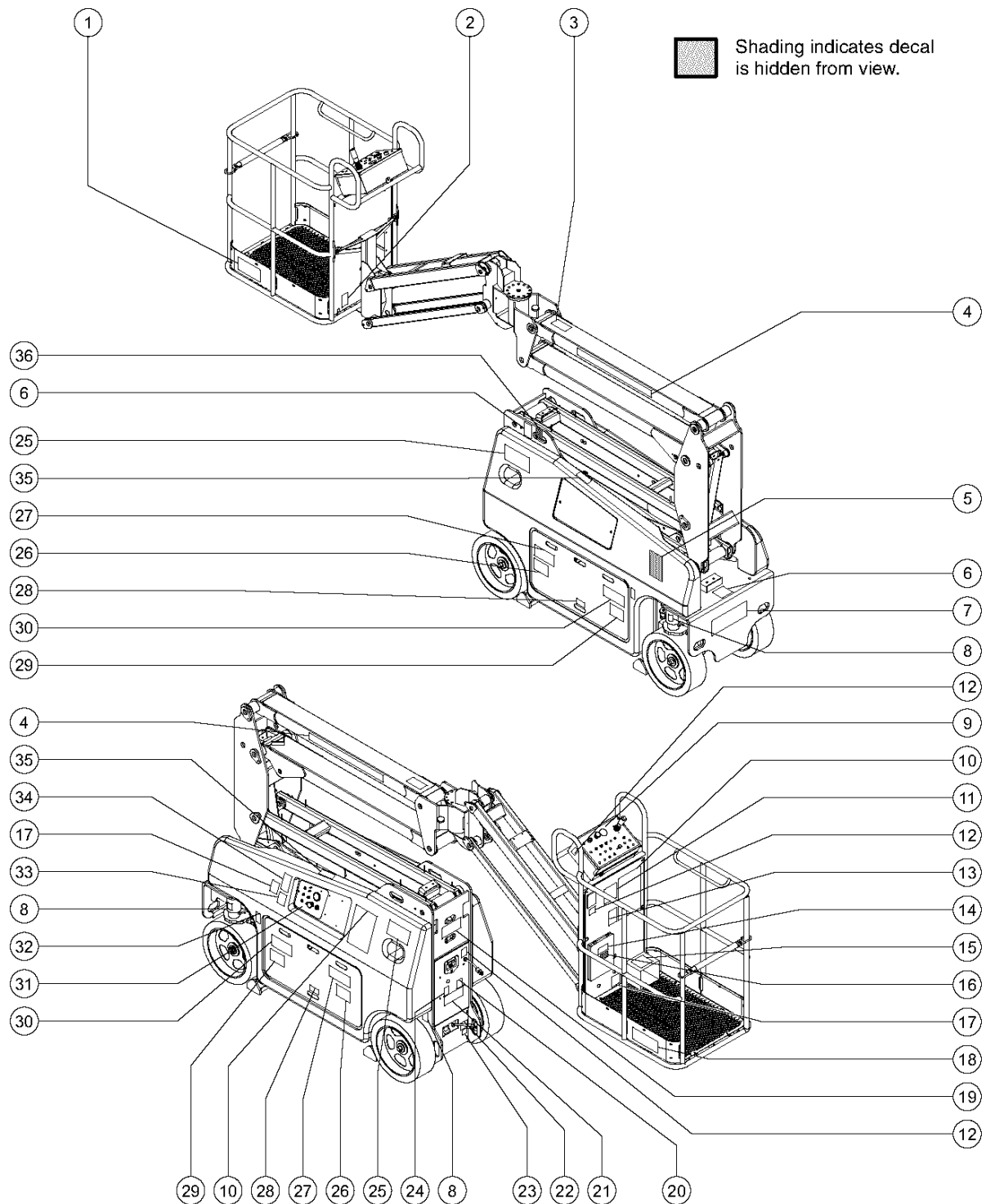
<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
20	28171GT	DECAL,DANGER,NO SMOKING ***	1
21	28175GT	DECAL,WARNING-COMPART ACCESS	1
22	31508GT	DECAL,DANGER,ELECT HAZARD,PLUG	1
23	44980GT	DECAL, LABEL, PWR TO CHARGER 115 UK	1
23-	43658GT	DECAL, LABEL, PWR TO CHARGER 230 EU	1
24	28157GT	DECAL,USE DEXRON***	1
25	27564GT	DECAL,DANGER,ELEC.HAZ.STAY CLR	2
26	44238GT	DECAL, DANGER, TIP-OVER, BATTR	2
27	31788GT	DECAL,DANGER,BATTERY SAFETY***	2
28	44737GT	DECAL,DANGER,TIP-OVER,TRAYS	2
29	44237GT	DECAL,NOTICE,BATTERY CONNECT	2
30	31785GT	DECAL,NOTICE,CHARGER INSTRUC	2
31	72174GT	DECAL, GROUND CONTROL PANEL	1
32	28372GT	DECAL,NOTICE,BATTERY CABLES	2
33	28164GT	DECAL,NOTICE,HAZARDOUS MAT'LS*	1
34	43653GT	DECAL,NOTICE, GRD OPER INSTRUC	1
35	44242GT	DECAL, LABEL, DIRECTION ARROWS	2
36	31060GT	DECAL,DANGER DO NOT ALTER SWTC	1

101.3 Decals and Paint, Z-25/8



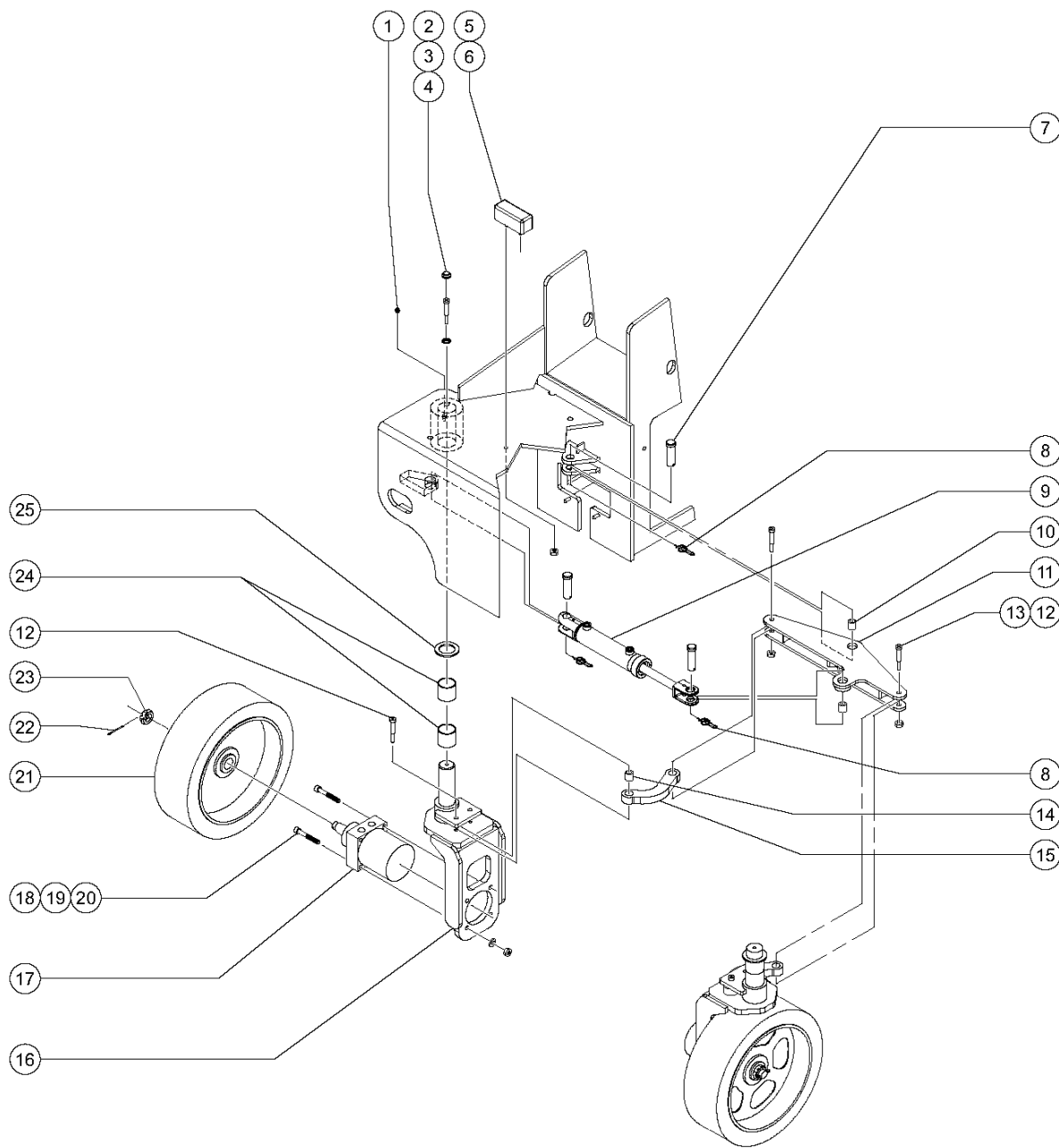
Item	Part No.	Description	Qty.
	61361GT	WET PAINT,GENIE BLUE	
	1484GT	PAINT, AEROSOL, BRIGHT BLUE***	
	61362GT	WET PAINT,GENIE GRAY	
	1268GT	PAINT, AEROSOL, GENIE GRAY***	
1	44983GT	DECAL,NOTICE, MAX CAP 400 LBS	1
1-	37052GT	DECAL,NOTICE,MAX LOAD 500 LBS	1
1-	44248GT	DECAL,NOTICE,MAX CAP 440 LBS	1
2	28177GT	DECAL,WARN,CRUSH HAZARD PLAT	2
3	28181GT	DECAL,WARN,FALL HAZARD	1
4	62937GT	DECAL,COSMETIC,GENIE Z-25/8	2
5	77046GT	SERIAL # LABEL,MYLAR 4X8***	1
6	28161GT	DECAL,WARN,CRUSH HAZARD HAND	3
7	52968GT	DECAL,COSMETIC,GENIE BOOM,VERT	1
8	44239GT	DECAL, NOTICE, TIRE SPECS	4
9	72173GT	DECAL, PLATFORM CONTROL PANEL	1
		Z-25/8 from SN 247	
9-	41323GT	DECAL, PLATFORM CONTROL PANEL	1
		Z-25/8 to SN 246	
10	32700GT	DECAL,DANGER,GEN SAFETY RULES	2
11	44768GT	DECAL, DANGER,TIP-OVER	1
12	28235GT	DECAL, POWER TO PLATFORM 115V**	2
12-	28174GT	DECAL, POWER TO PLATFORM 230V**	2
13	44240GT	DECAL,NOTICE,OPER INST, PLAT	1
14	28236GT	DECAL,WARN,IMPROPER OPERATION	1
15	28165GT	DECAL,INSTRUCT,FOOTSWITCH OPER	1
16	28176GT	DECAL,LABEL,MANUAL NOT HERE	1
17	46305GT	DECAL, WARNING, CRUSHING HAZ	
18	37051GT	DECAL,NOTICE,SIDE FRC 150,ANSI	1
		ANSI and CSA models	
18-	44986GT	DECAL,INSTR,SIDE FRC/WIND,AUS	1
		CE models	
19	44220GT	DECAL,DANGER,BRAKE REL SAFETY*	1

101.3 Decals and Paint, Z-25/8



<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
20	28171GT	DECAL,DANGER,NO SMOKING ***	1
21	28175GT	DECAL,WARNING-COMPART ACCESS	1
22	31508GT	DECAL,DANGER,ELECT HAZARD,PLUG	1
23	44980GT	DECAL, LABEL, PWR TO CHARGER 115 UK	1
23-	43658GT	DECAL, LABEL, PWR TO CHARGER 230 EU	1
24	28157GT	DECAL,USE DEXRON***	1
25	27564GT	DECAL,DANGER,ELEC.HAZ.STAY CLR	2
26	44238GT	DECAL, DANGER, TIP-OVER, BATTR	2
27	31788GT	DECAL,DANGER,BATTERY SAFETY***	2
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32	28372GT	DECAL,NOTICE,BATTERY CABLES	2
33	28164GT	DECAL,NOTICE,HAZARDOUS MAT'LS*	1
34	43653GT	DECAL,NOTICE, GRD OPER INSTRUC	1
35	44242GT	DECAL, LABEL, DIRECTION ARROWS	2
36	31060GT	DECAL,DANGER DO NOT ALTER SWTC	1

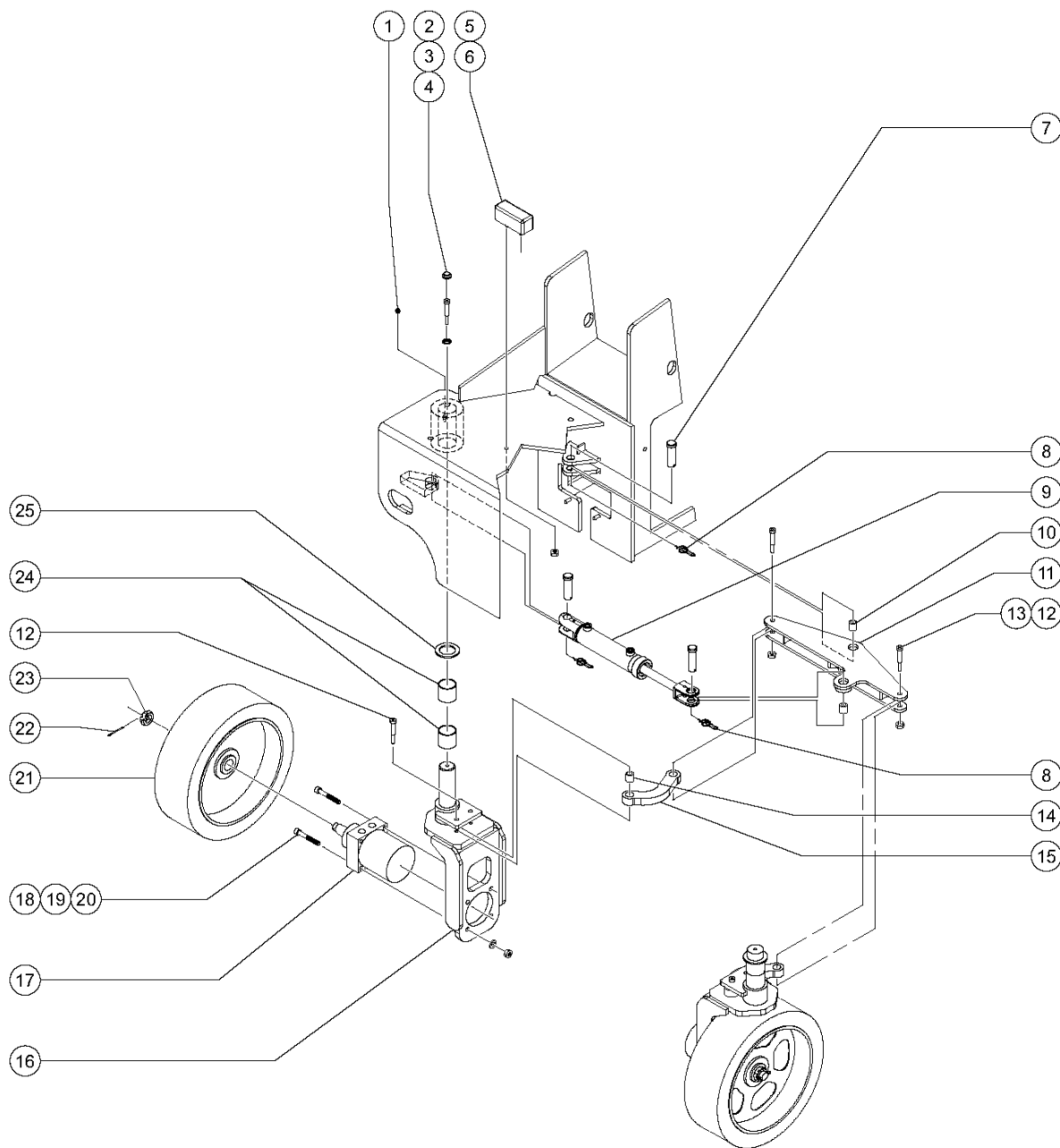
201.1 Steer/Drive Axle Linkage and Wheels, Z-20/8



201.1 Steer/Drive Axle Linkage and Wheels, Z-20/8

Item	Part No.	Description	Qty.
		BEARING,FLANGED,.50 IDX.75	
1	28646GT	ZERK,GREASE,1/8 NPT	2
2	47189GT	CAP,FINISHING,BLACK	2
3	42596GT	BOLT,SHOULDER, 3/8-16	2
4	42539GT	WASHER,FINISHING CAP,.5"	2
5	56927GT	PAD,REST,2"THICK,W/STUDS*	1
6	4828GT	NUT,NYLOCK,3/8-16	2
7	19440GT	PIN,CLEVIS,1 X 2.5 LG	3
8	74389GT	RUE RING 1.00	3
9	94036GT	CYLINDER,STEERING,Z20/25** %% 2 FITTINGS 48904 ARE REQUIRED WHEN REPLACING 59302, 59154 OR 59059	1
9	48401GT	SEAL KIT,42406,STEER.CYL,TEXAS FOR CYLINDER 94036	
9	59169GT	SEAL KIT,2" BORE,1" ROD*** FOR CYLINDER 59154 AND 59302	1
9	59076GT	SEAL KIT,2.0" BORE CYLINDERS** FOR CYLINDER 59059	
10	25817GT	BEARING,1.00IDX1.25ODX1.00L	2
11	91000GT	BELLCRANK ASSY.,Z20W/Z25 includes 2 each index number 10	1
11	94007GT	STEERING ENHANCE KIT,Z20W,Z25	
12	42589GT	BOLT,SHOULDER 5/8-11X1.860	4
13	6024GT	NUT,NYLOCK,5/8-11	2
14A	42640GT	BEARING,FLANGED,.50 IDX.75 to SN 774	2
14B	42641GT	BEARING,FLANGED,.75ID X 1.00 from SN 775	2
15A	44819GT	STEER LINK KIT W/BEAR'G Z20 to SN 774; includes 2 each index number 14A	2
15B	58015GT	STEER LINK KIT W/BEAR'G Z20 from SN 775; includes 2 each index number 14B	2
16	42650GT	STEERING YOKE,FINAL WELDMENT from SN 115	2
16		YOKE WELDMENT to SN 114; consult factory	2
17	36717GT	DRIVE MOTOR,WHITE RE24 SERIES* includes castle nut and key	2
17	44780GT	NUT,CASTLE,1.125-18 UNEF	2
17	44781GT	KEY,RECTANGULAR,.31X.28X1.25"*	2
17	44782GT	SEAL KIT,DR MTR.GS15/19,Z20***	2

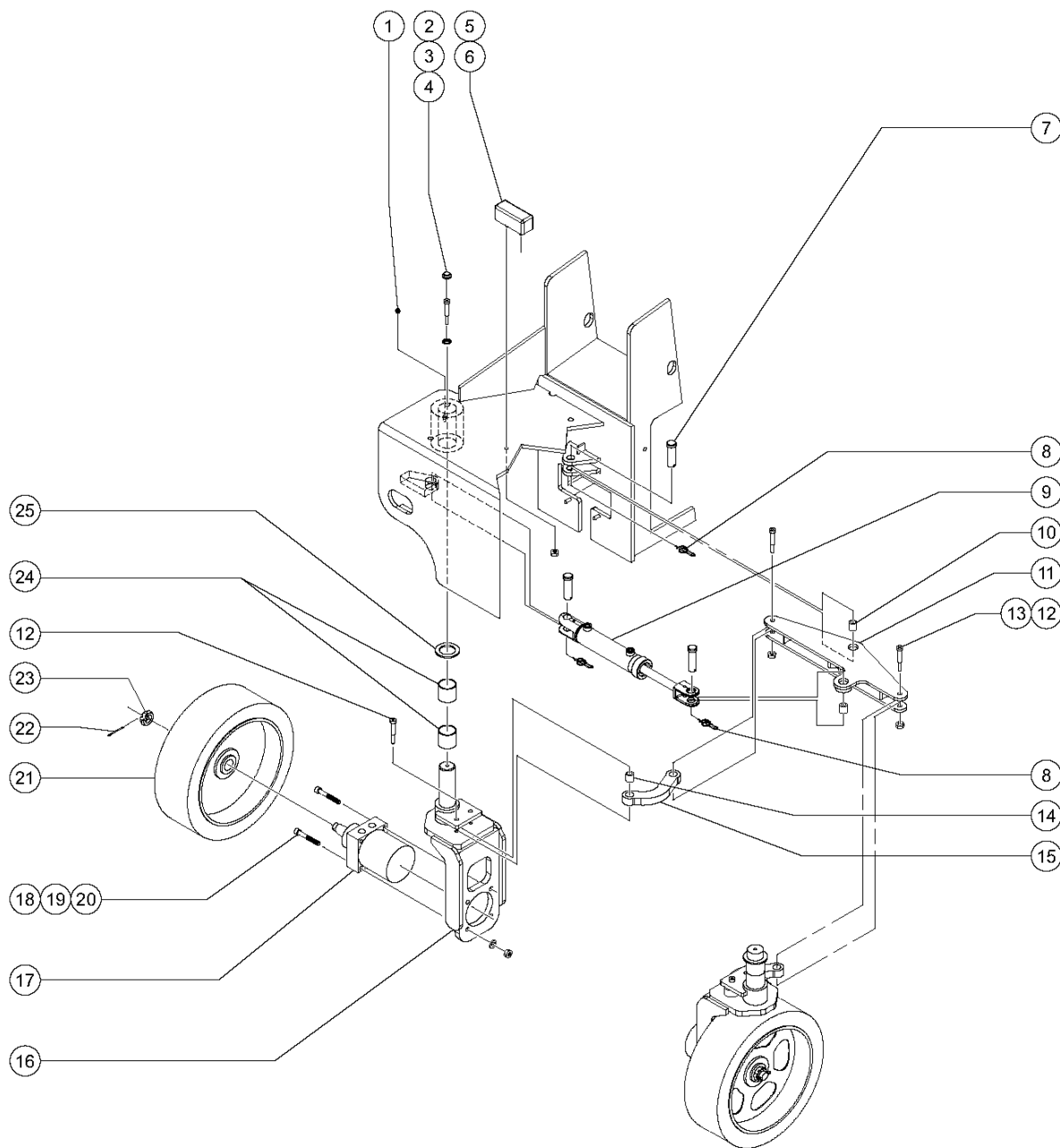
201.1 Steer/Drive Axle Linkage and Wheels, Z-20/8



201.1 Steer/Drive Axle Linkage and Wheels, Z-20/8

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
17	44783GT	BEARING,DRIVE MOTOR GS15/19	2
18	22790GT	SCREW,SHC,1/2-13 X 3.5	8
19	13066GT	WASHER,FLAT,.5 HARDENED	8
20	6198GT	NUT, NYLOCK, 1/2-13	8
21	36838GT	TIRE/WHL,NON-MARK Z20 TRACTION	2
22	42079GT	PIN,COTTER,.156 X 2.5	2
23	44780GT	NUT,CASTLE,1.125-18 UNEF	2
24	42014GT	BEARING,2.00IDX2.25ODX2.00L	4
25	36937GT	WASHER,THRUST,2.0 X 3.0 X .188	2

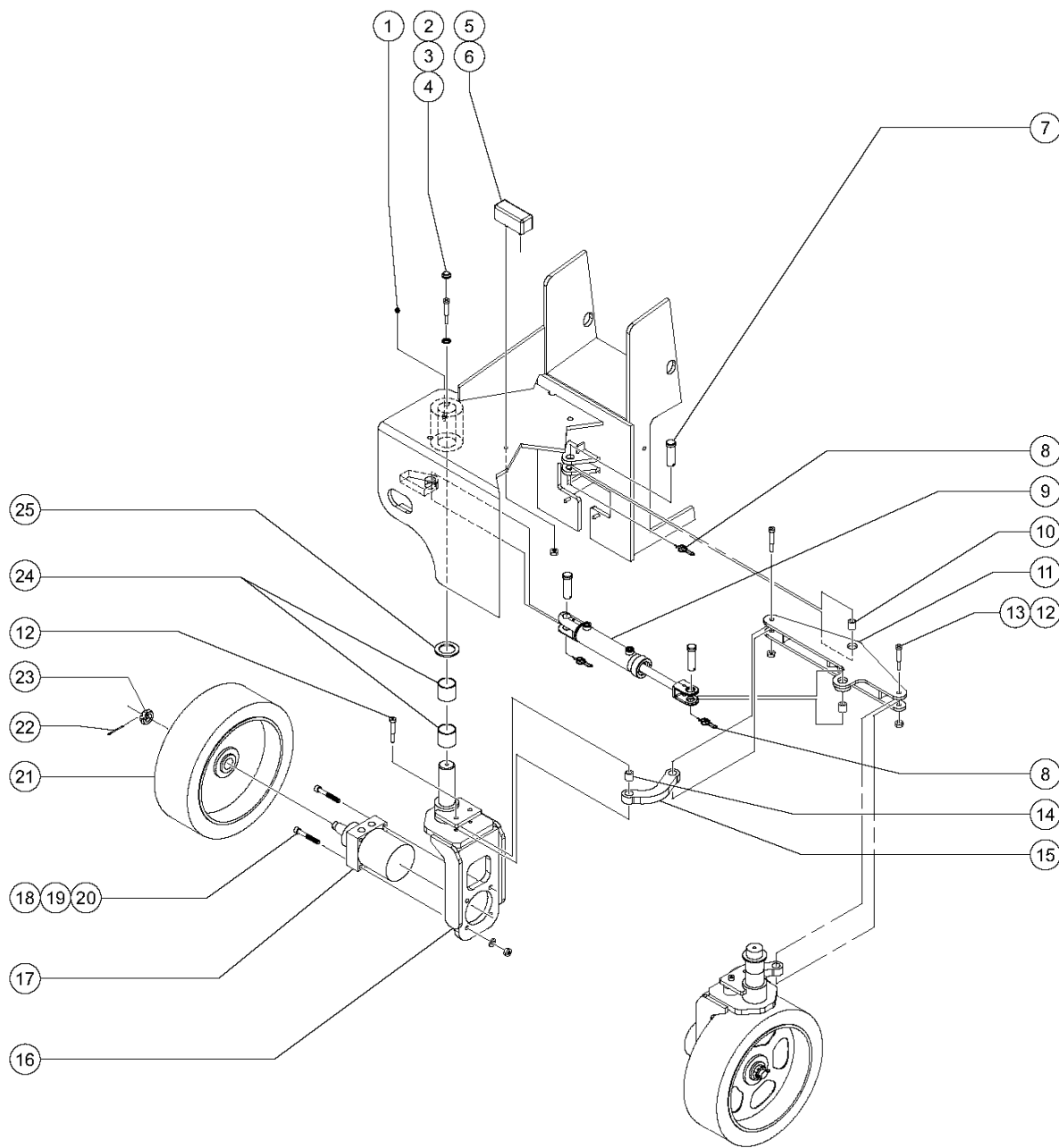
201.2 Steer/Drive Axle Linkage and Wheels, Z-20/8N



201.2 Steer/Drive Axle Linkage and Wheels, Z-20/8N

Item	Part No.	Description	Qty.
		BEARING,FLANGED,.50 IDX.75	
1	28646GT	ZERK,GREASE,1/8 NPT	2
2	47189GT	CAP,FINISHING,BLACK	2
3	42596GT	BOLT,SHOULDER, 3/8-16	2
4	42539GT	WASHER,FINISHING CAP,.5"	2
5	56927GT	PAD,REST,2"THICK,W/STUDS*	1
6	4828GT	NUT,NYLOCK,3/8-16	2
7	19440GT	PIN,CLEVIS,1 X 2.5 LG	3
8	74389GT	RUE RING 1.00	3
9	94036GT	CYLINDER,STEERING,Z20/25** %% 2 FITTINGS 48904 ARE REQUIRED WHEN REPLACING 59302, 59154 OR 59059	
9	48401GT	SEAL KIT,42406,STEER.CYL,TEXAS FOR CYLINDER 94036	
9	59169GT	SEAL KIT,2" BORE,1" ROD*** FOR CYLINDER 59154 AND 59302	1
9	59076GT	SEAL KIT,2.0" BORE CYLINDERS** FOR CYLINDER 59059	
10	25817GT	BEARING,1.00IDX1.25ODX1.00L	2
11	58013GT	BELLCRANK ASSY,STEERING Z20 includes 2 each index number 10; from SN 776	1
11	58098GT	STEER SYSTEM ENHANCE KIT,Z20N to SN 775	1
12	42595GT	BOLT, SHOULDER 3/8-16, 0.50 X 1 to SN 774	4
12-	42633GT	BOLT,1/2-13 ECCENTRIC%% from SN 775	
13	7713GT	NUT, LP NYLOCK, 3/8-16 to SN 774	
13	6024GT	NUT,NYLOCK,5/8-11 from SN 775	2
14A	42640GT	BEARING,FLANGED,.50 IDX.75 to SN 774	2
14B	42641GT	BEARING,FLANGED,.75ID X 1.00 from SN 775	2
15A	44819GT	STEER LINK KIT W/BEAR'G Z20 to SN 774; included 2 each index number 14A	2
15B	58015GT	STEER LINK KIT W/BEAR'G Z20 from SN 775; includes 2 each index number 14B	2
16	42650GT	STEERING YOKE,FINAL WELDMENT from SN 776	
16		YOKE WELDMENT to SN 775; consult factory	
17	36717GT	DRIVE MOTOR,WHITE RE24 SERIES* includes castle nut and key	2
17	44780GT	NUT,CASTLE,1.125-18 UNEF	2

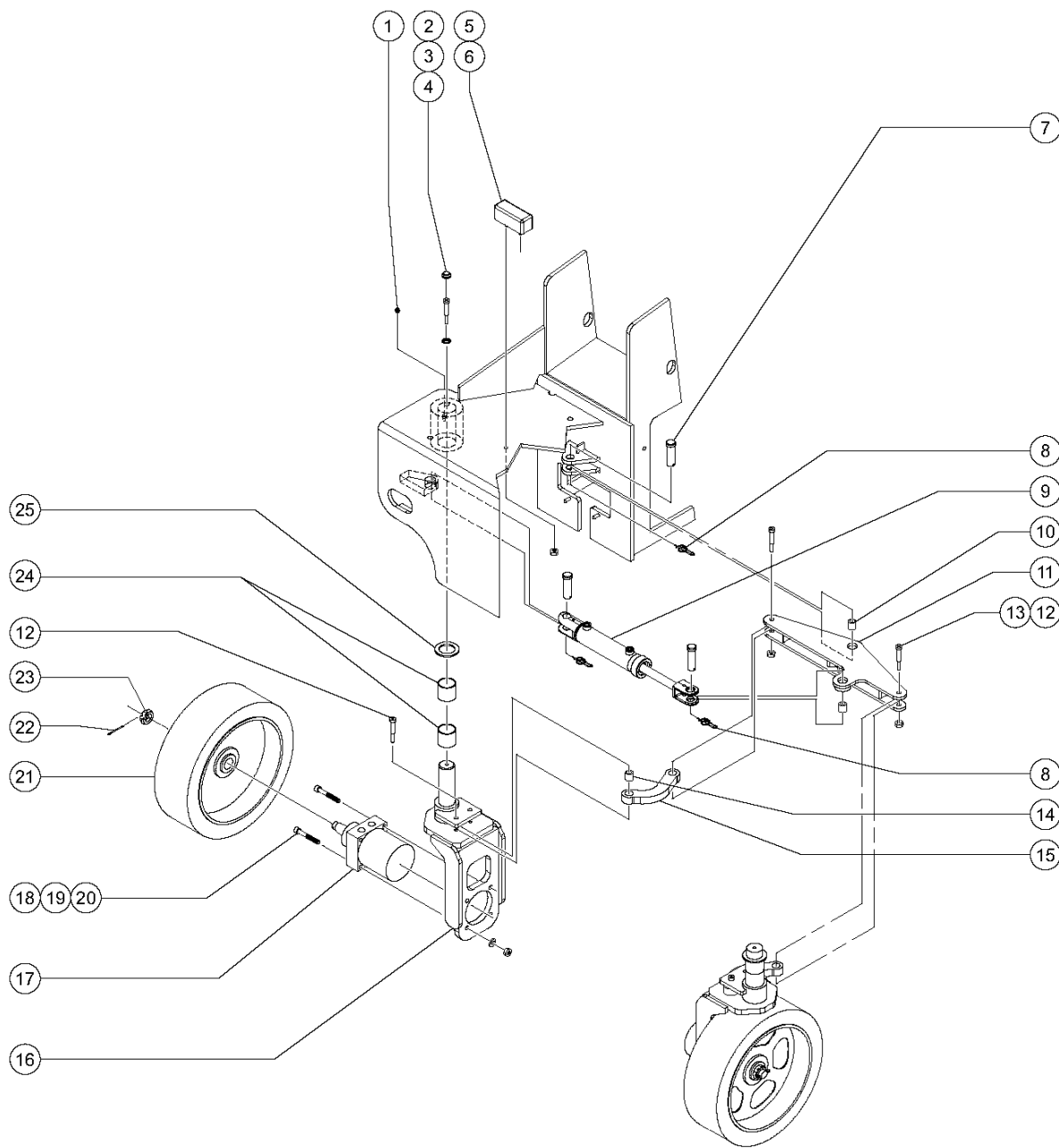
201.2 Steer/Drive Axle Linkage and Wheels, Z-20/8N



201.2 Steer/Drive Axle Linkage and Wheels, Z-20/8N

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
17	44781GT	KEY,RECTANGULAR,.31X.28X1.25"*	2
17	44782GT	SEAL KIT,DR MTR.GS15/19,Z20***	2
17	44783GT	BEARING,DRIVE MOTOR GS15/19	2
18	22790GT	SCREW,SHC,1/2-13 X 3.5	8
19	13066GT	WASHER,FLAT,.5 HARDENED	8
20	6198GT	NUT, NYLOCK, 1/2-13	8
21	36838GT	TIRE/WHL,NON-MARK Z20 TRACTION	2
22	42079GT	PIN,COTTER,.156 X 2.5	2
23	44780GT	NUT,CASTLE,1.125-18 UNEF	2
24	42014GT	BEARING,2.00IDX2.25ODX2.00L	4
25	36937GT	WASHER,THRUST,2.0 X 3.0 X .188	2

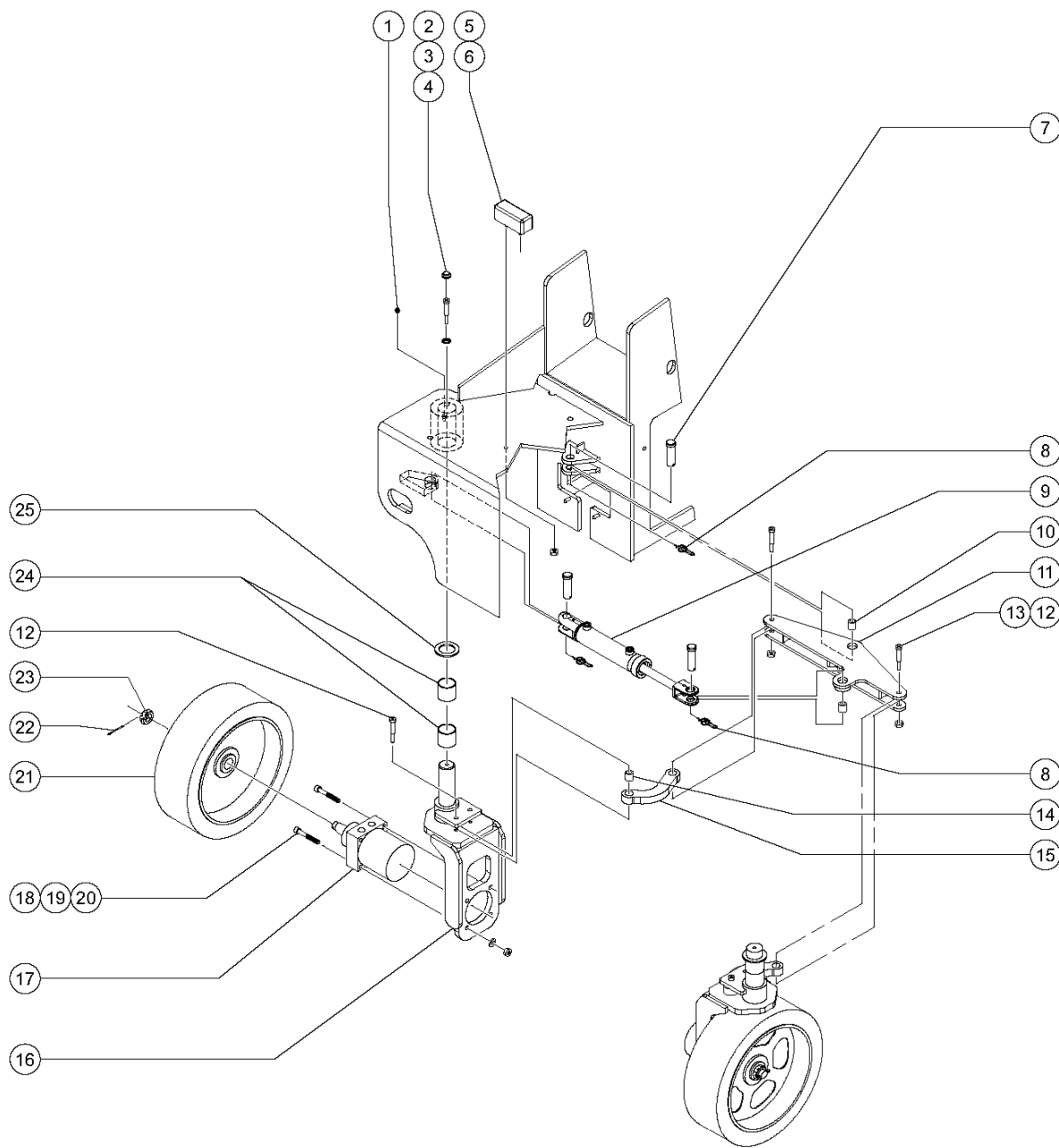
201.3 Steer/Drive Axle Linkage and Wheels, Z-25/8



201.3 Steer/Drive Axle Linkage and Wheels, Z-25/8

Item	Part No.	Description	Qty.
1	28646GT	ZERK, GREASE, 1/8 NPT	2
2	47189GT	CAP, FINISHING, BLACK	2
3	42596GT	BOLT, SHOULDER, 3/8-16	2
4	42539GT	WASHER, FINISHING CAP, .5"	2
5	56927GT	PAD, REST, 2" THICK, W/STUDS*	1
6	4828GT	NUT, NYLOCK, 3/8-16	2
7	19440GT	PIN, CLEVIS, 1 X 2.5 LG	3
8	74389GT	RUE RING 1.00	3
9	94036GT	CYLINDER, STEERING, Z20/Z25** %% 2 FITTINGS 48904 ARE REQUIRED WHEN REPLACING 59302, 59154 OR 59059	1
9	48401GT	SEAL KIT, 42406, STEER. CYL, TEXAS FOR CYLINDER 94036	
9	59169GT	SEAL KIT, 2" BORE, 1" ROD*** FOR CYLINDER 59154 AND 59302	1
9	59076GT	SEAL KIT, 2.0" BORE CYLINDERS** FOR CYLINDER 59059	
10	25817GT	BEARING, 1.00IDX1.25ODX1.00L	2
11	94007GT	STEERING ENHANCE KIT, Z20W, Z25	
11	91000GT	BELLCRANK ASSY., Z20W/Z25 includes 2 each index number 10	1
12	42589GT	BOLT, SHOULDER 5/8-11X1.860	4
13	6024GT	NUT, NYLOCK, 5/8-11	2
14A	42640GT	BEARING, FLANGED, .50 IDX.75 to SN 774	2
14B	42641GT	BEARING, FLANGED, .75ID X 1.00 from SN 775	2
15A	44819GT	STEER LINK KIT W/BEAR'G Z20 to SN 774; included 2 each index number 14A	2
15B	58015GT	STEER LINK KIT W/BEAR'G Z20 from SN 775; includes 2 each index number 14B	2
16	42650GT	STEERING YOKE, FINAL WELDMENT from SN 173	
16		YOKE WELDMENT to SN 172; consult factory	
17	36717GT	DRIVE MOTOR, WHITE RE24 SERIES* includes castle nut and key	2
17	44780GT	NUT, CASTLE, 1.125-18 UNEF	2
17	44781GT	KEY, RECTANGULAR, .31X.28X1.25"*	2
17	44782GT	SEAL KIT, DR MTR. GS15/19, Z20***	2
17	44783GT	BEARING, DRIVE MOTOR GS15/19	2

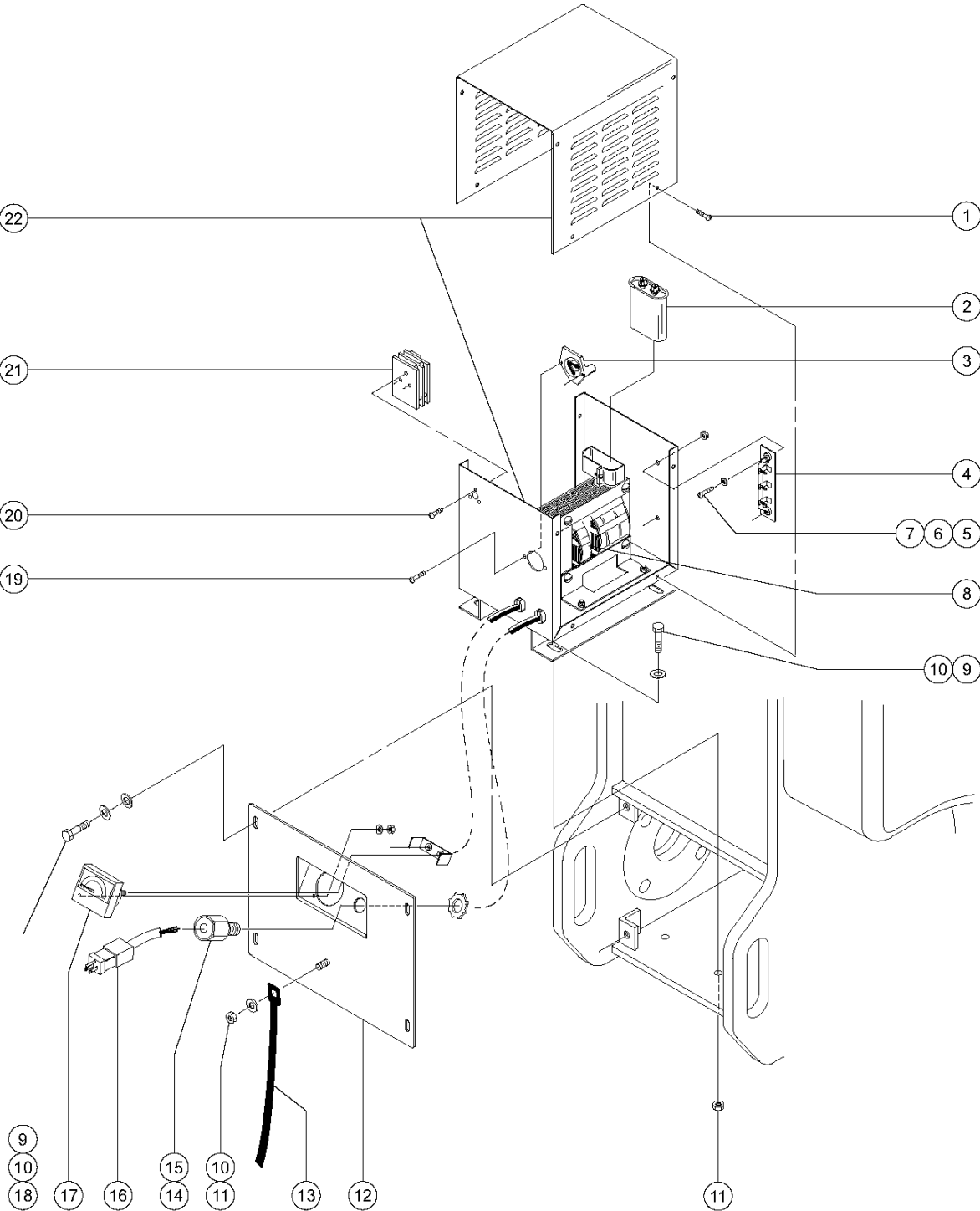
201.3 Steer/Drive Axle Linkage and Wheels, Z-25/8



201.3 Steer/Drive Axle Linkage and Wheels, Z-25/8

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
18	22790GT	SCREW,SHC,1/2-13 X 3.5	8
19	13066GT	WASHER,FLAT,.5 HARDENED	8
20	6198GT	NUT, NYLOCK, 1/2-13	8
21	36838GT	TIRE/WHL,NON-MARK Z20 TRACTION	2
22	42079GT	PIN,COTTER,.156 X 2.5	2
23	44780GT	NUT,CASTLE,1.125-18 UNEF	2
24	42014GT	BEARING,2.00IDX2.25ODX2.00L	4
25	36937GT	WASHER,THRUST,2.0 X 3.0 X .188	2

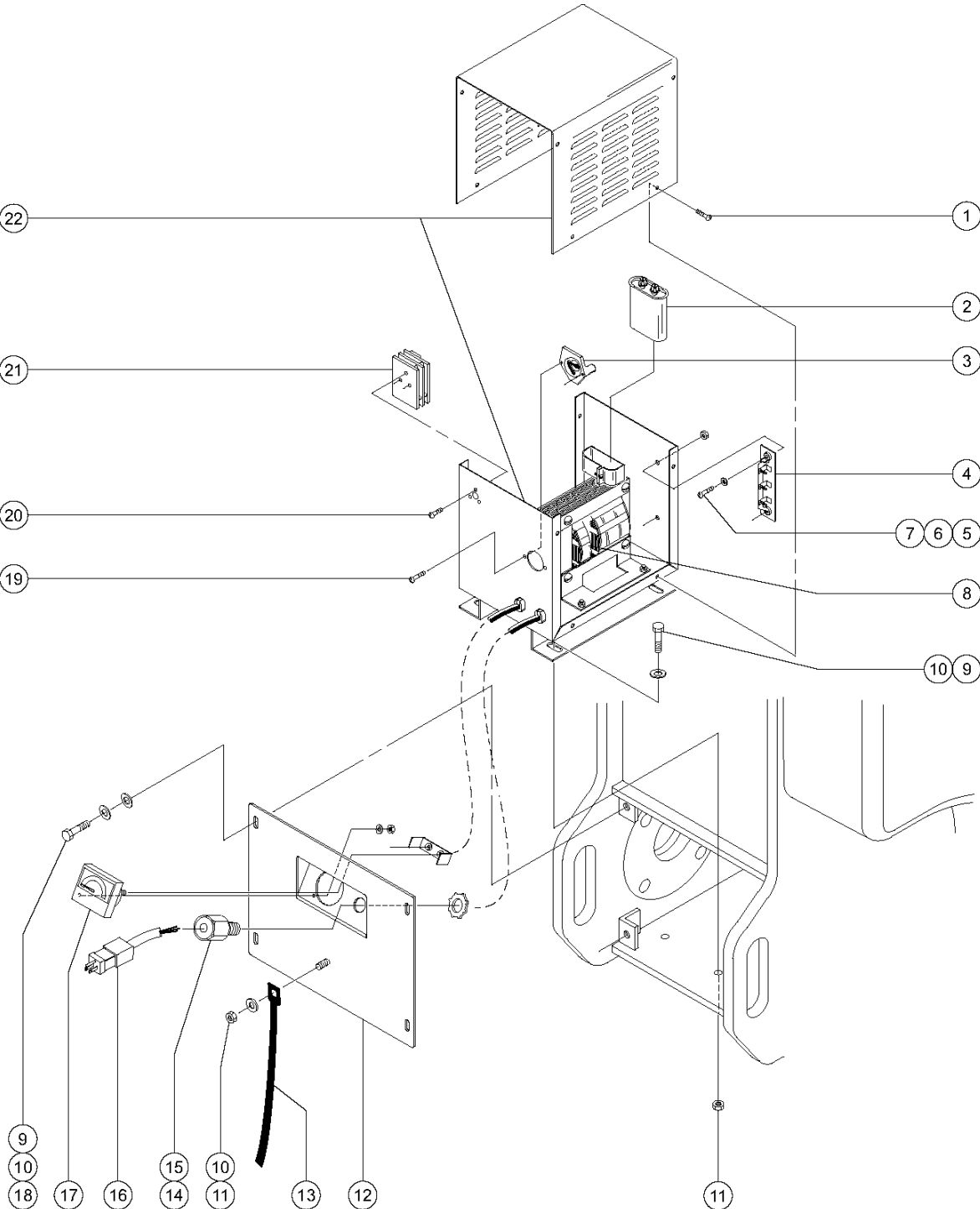
202.1 Battery Charger Installation



202.1 Battery Charger Installation

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
	54794GT	CHARGER,48V,110VAC,60H,25A	
	54795GT	CHARGER,48V,200-250VAC,50H,25A	
	54796GT	CHARGER,48V,200-250VAC,60H,25A	
	54797GT	CHARGER,48V,100-125VAC,60H,25A	
1	40537GT	SCREW,CHARGER COVER,#10 X .5	8
2	13008-3GT	CAPACITOR,6 MFD,660VAC-CHARGR*	1
3	13008-6GT	FUSE ASSY-BOOM CHARGER	1
4	27262GT	HEATSINK ASSY W/DIODES (23442)	1
5	40538GT	SCREW,HEATSINK/DIODE ASSY	2
6	6146GT	WASHER,FLAT,MS,#10,Y	2
7	6178GT	NUT, NYLOCK, 10-32	2
8	40398GT	TRNSFRMR(36316 &17)(41898 &99)	1
8	40523GT	TRANSFORMER,CHARGER36314/41896	1
8	40524GT	TRANSFORMER,CHARGER36315/41897	1
9	6888GT	SCREW,HHC,1/4-20 X 1	6
10	6638GT	WASHER, FLAT, USS, 1/4"Y	8
11	6091GT	NUT, NYLOCK, 1/4-20	4
12	46255GT	COVER ASSY W/DECAL,CHARGER,Z20	1
12	46256GT	COVER ASSY W/DECAL,CHARGER,Z20	1
13	96317GT	GROUND STRAP,12"LG***	1
14	7056GT	CONN, SQZ, 1/2NPT, 0.38-0.50,SM	1
15	6935GT	CONN, SQZ, 1/2NPT, LOCKNUT	1
16	6595GT	PLUG,ELECTRICAL,DOMESTIC	1
17		AMMETER-BOOM CHARGER includes mounting hardware and bracket (no longer available)	1
18	6356GT	WASHER,LOCK,.25	4
19	40536GT	SCREW,TIMER,#8 PHMS X.375	2
20	40534GT	WASHER,LOCK,#10, CHARGER FUSE	2
21	27263GT	TIMER (23442)(41896)(36314)	1

202.1 Battery Charger Installation

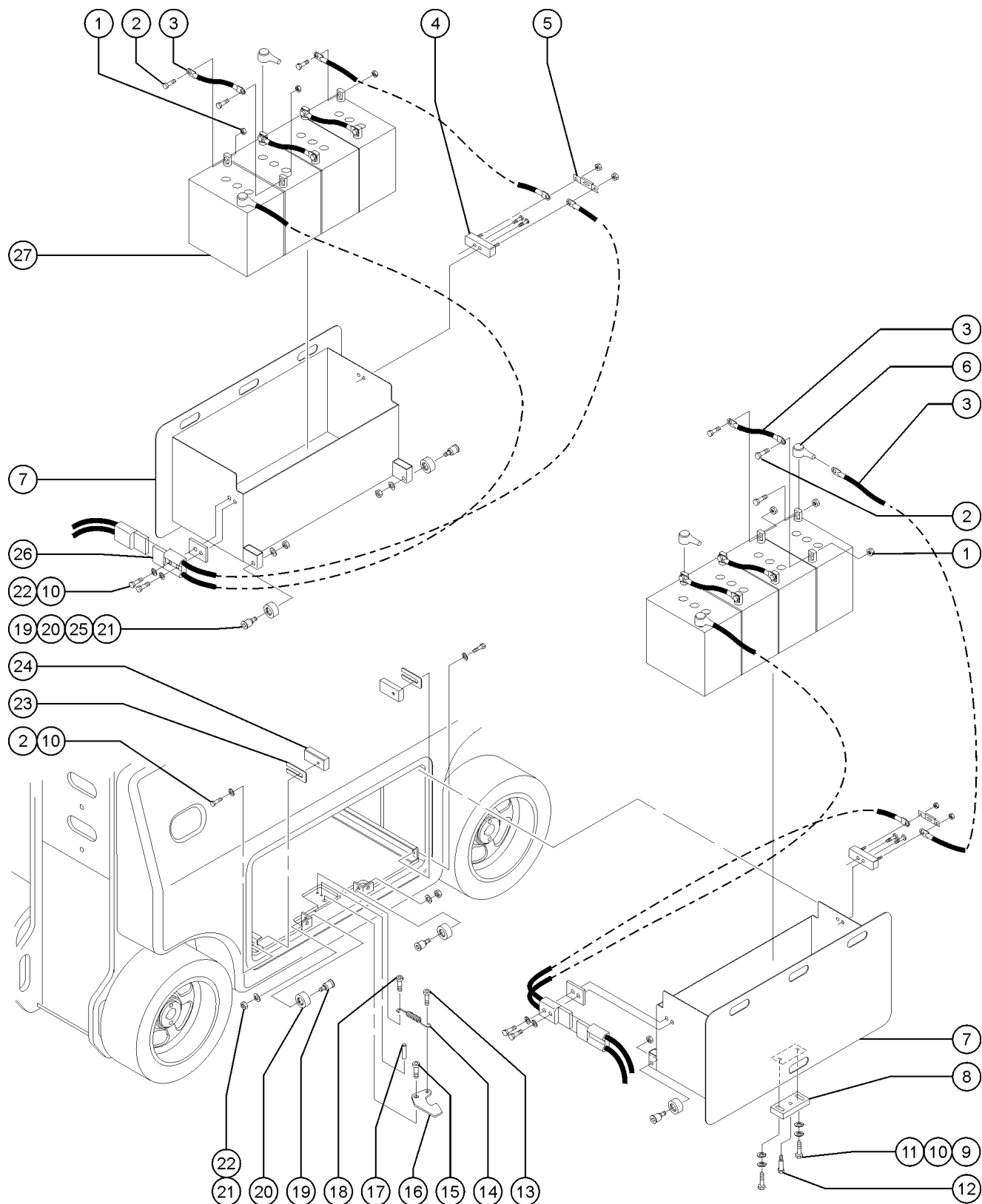


202.1 Battery Charger Installation

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
21	18078GT	RELAY,CHARGER TIMER**	1
21	27830GT	TIMER(24059,41897,41898,41899)	1
21	19533GT	RELAY,CHARGER .TIMER(19531/32)	1
22	40532GT	CASE COVER ONLY 18710/18720	1



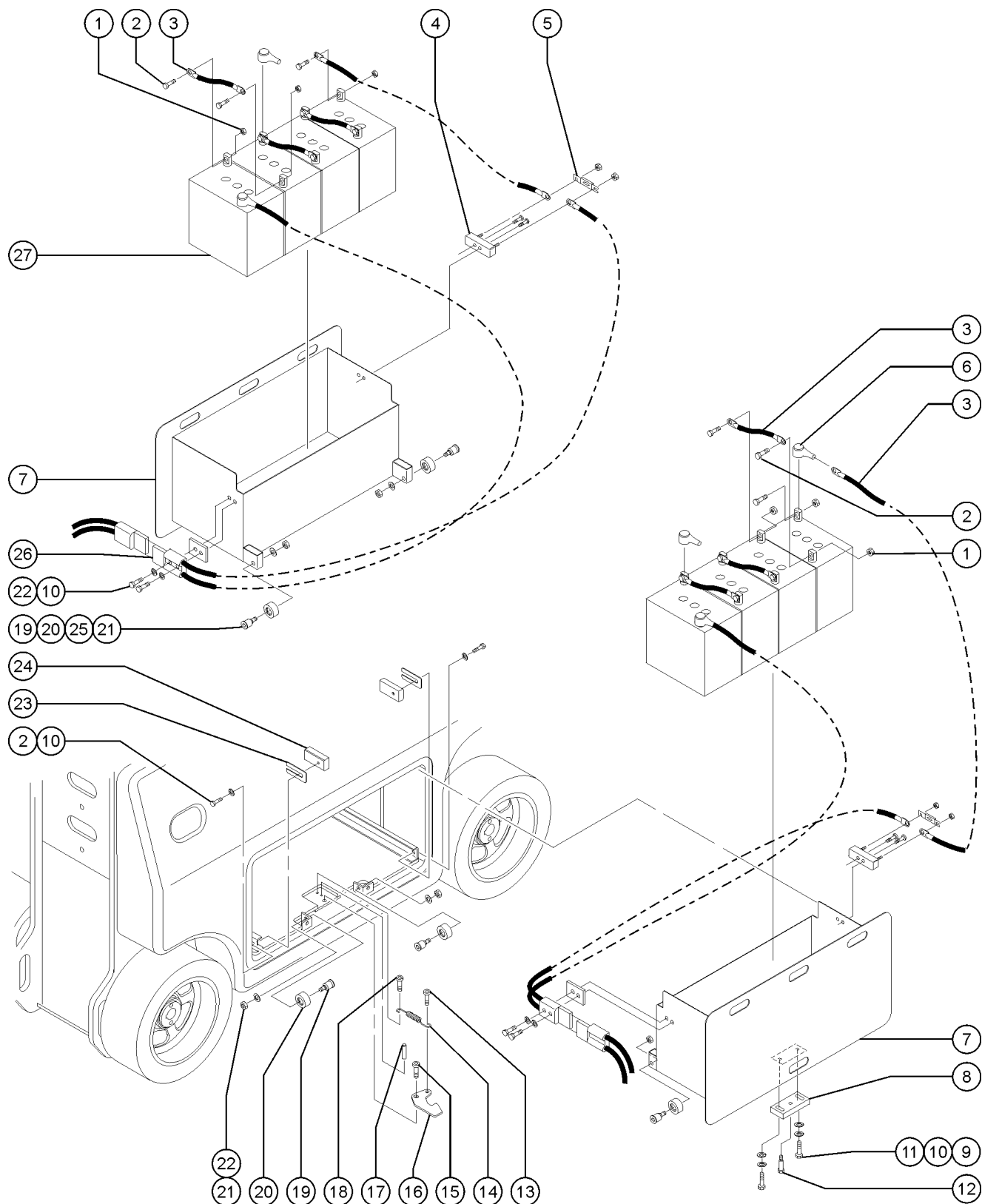
203.1 Battery Pack Installation



203.1 Battery Pack Installation

Item	Part No.	Description	Qty.
1	18504GT	NUT, LOCKING-LG. FLANGE, 1/4-20	16
2	8915GT	SCREW, HHC, 1/4-20 X 1.25	20
3		Ref. Battery Cable Assembly refer to section 211.1	20
4	66717GT	FUSE BLOCK, ANN & ANL FUSE	2
5	13104GT	FUSE, 300 AMP, VERY FAST ACTING	2
6	8910GT	BOOT, CABLE TERM, MED. RED, 4/0	16
7	44823GT	BATTERY BOX ASSY W/DECALS, Z20 includes index number 8 and 2 each index number 9 and 10	2
8	36993GT	SPACER, BATTERY CATCH BOLT	2
9	6637GT	SCREW, HHC, 1/4-20 X 1.75	4
10	6356GT	WASHER, LOCK, .25	12
11	6638GT	WASHER, FLAT, USS, 1/4"Y	4
12	42377GT	SCREW, SHS, 1/4-20 X .75, ZINCPLT	2
13	21047GT	SCREW, FHM, 10-24 X .75	2
14	36574GT	SPRING, EXTENSION, .36 X 1.25	2
15	42375GT	SCREW, SHS, 3/8-16 X .375, ZINC	2
16	42011GT	CATCH, BATTERY BOX, MACHINED	2
17	6608GT	PIN, ROLL, .188 X .75	2
18	6584GT	SCREW, SHS, 10-24 X .625	2
19	35706GT	BOLT, ROLLER, .470" (SHORT)	8
20	38016GT	ROLLER, PLASTIC, AWP96**	8
21	7713GT	NUT, LP NYLOCK, 3/8-16	8
22	6097GT	WASHER, FLAT, USS, 3/8", Y	4
23	42314GT	SHIM, SIDE PAD 16GA, .44 SLOT	4
24	36999GT	WEAR PAD, BATTERY BOX	4
25	5397GT	WASHER, FLAT, USS, 5/16", Y	4
26	44827GT	BATTERY CABLE, BATT PACK, LS, Z20	1
26	44826GT	BATTERY CABLE, BATT PACK, RS, Z20	1
26-	128138GT	CONN HOUSING SBX175, BATT	1

203.1 Battery Pack Installation

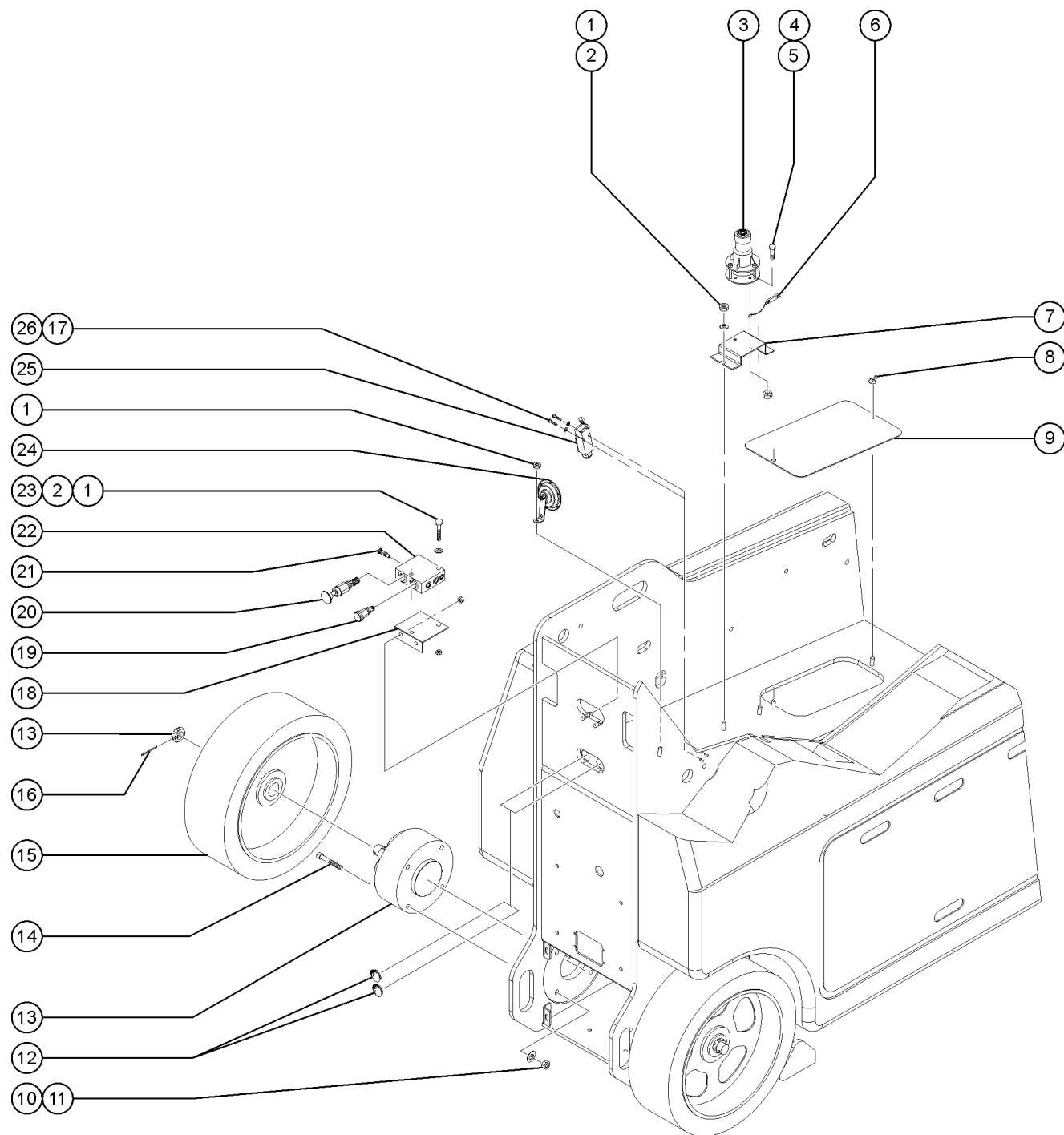


203.1 Battery Pack Installation

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
26-	128136GT	TERM CONTACT 35MM SBX175, BAT	
27	76502GT	BATTERY,T105 W/LPT,3 CAP,DRY** no longer available (contact customer service)	8
27B	76494GT	BATT,6V,225AH T105 LPT\3CAP	8



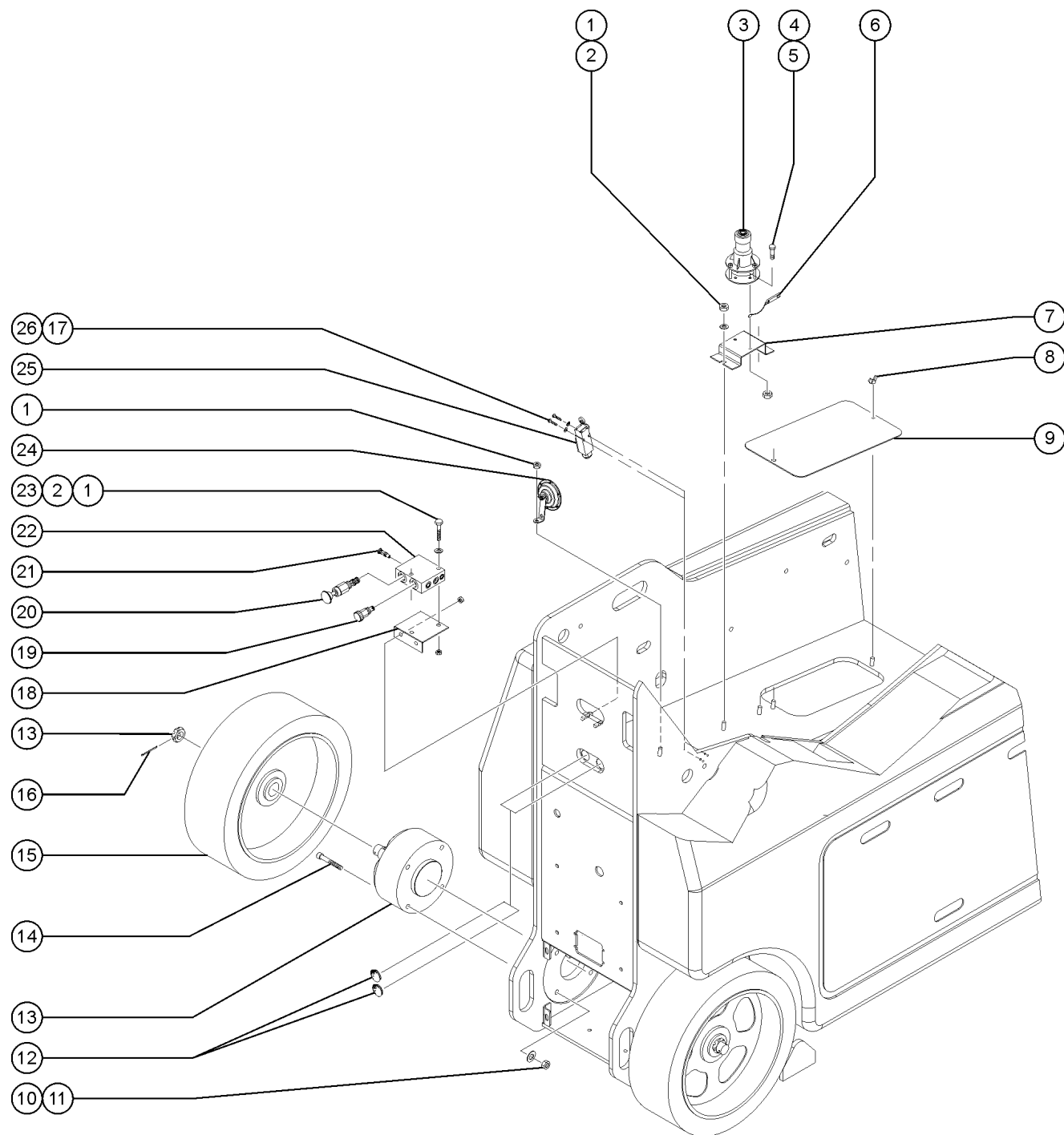
204.1 Non-Steer Axle, Level Sensor, Horn and Brake Release Installation, Z-20/8



204.1 Non-Steer Axle, Level Sensor, Horn and Brake Release Installation, Z-20/8

Item	Part No.	Description	Qty.
1	4828GT	NUT,NYLOCK,3/8-16	5
2	5397GT	WASHER,FLAT,USS,5/16",Y	4
3	44586GT	SENSOR,LEVEL 4.5*** ANSI and CSA Models	1
3	42439GT	SENSOR,LEVEL 3 DEG** CE Models	1
4	6888GT	SCREW,HHC,1/4-20 X 1	2
5	6091GT	NUT, NYLOCK, 1/4-20	2
6	44995GT	TILT SENSOR TEST TOOL(SERVICE) includes lanyard	1
7	42678GT	BRACKET,TILT ALARM	1
8	56172GT	WING NUT,NYLON,3/8-16	2
9	94006GT	PLATE-TOP ACCESS WITH GASKET	1
9-	42684GT	GASKET, TOP ACCESS PLATE	1
10	6198GT	NUT, NYLOCK, 1/2-13	8
11	13064GT	WASHER,FLAT,.625 HARDENED	8
12	45385GT	PLUG,NYLON 1.12 BLACK DOMED	2
13A	74297GT	BRAKE,AUSCO,11000 LBS-IN** The Mico brake (PN 36841) used before serial number 1232 is no longer available. When replacing brakes with PN 74297, both brakes must be replaced. DO NOT MIX & MATCH. Customer will need to also order PN 42360, Qty 8.	2
13A-	44780GT	NUT,CASTLE,1.125-18 UNEF	
13A-	44781GT	KEY,RECTANGULAR,.31X.28X1.25"*	
13A-	88000GT	SEAL KIT (66419, 66416, 74297)	
13B		BRAKE, MICO (36841) Component no longer available. Refer to item 13A, above.	
13B-	44828GT	SEAL KIT,BRAKE,MICO*** for Mico brake 36841	
13B-	44829GT	BEARING,BRK,MICO ** for Mico brake 36841	
13B-	44830GT	LINING KIT, BRAKE,MICO 36841** for Mico brake 36841	
13B-	44780GT	NUT,CASTLE,1.125-18 UNEF	
13B-	44781GT	KEY,RECTANGULAR,.31X.28X1.25"*	
14	42360GT	SCREW,SHC,1/2-13 X 4 ZINC	8
15	36838GT	TIRE/WHL, NON-MARK Z20 TRACTION	2
16	42079GT	PIN,COTTER,.156 X 2.5	2

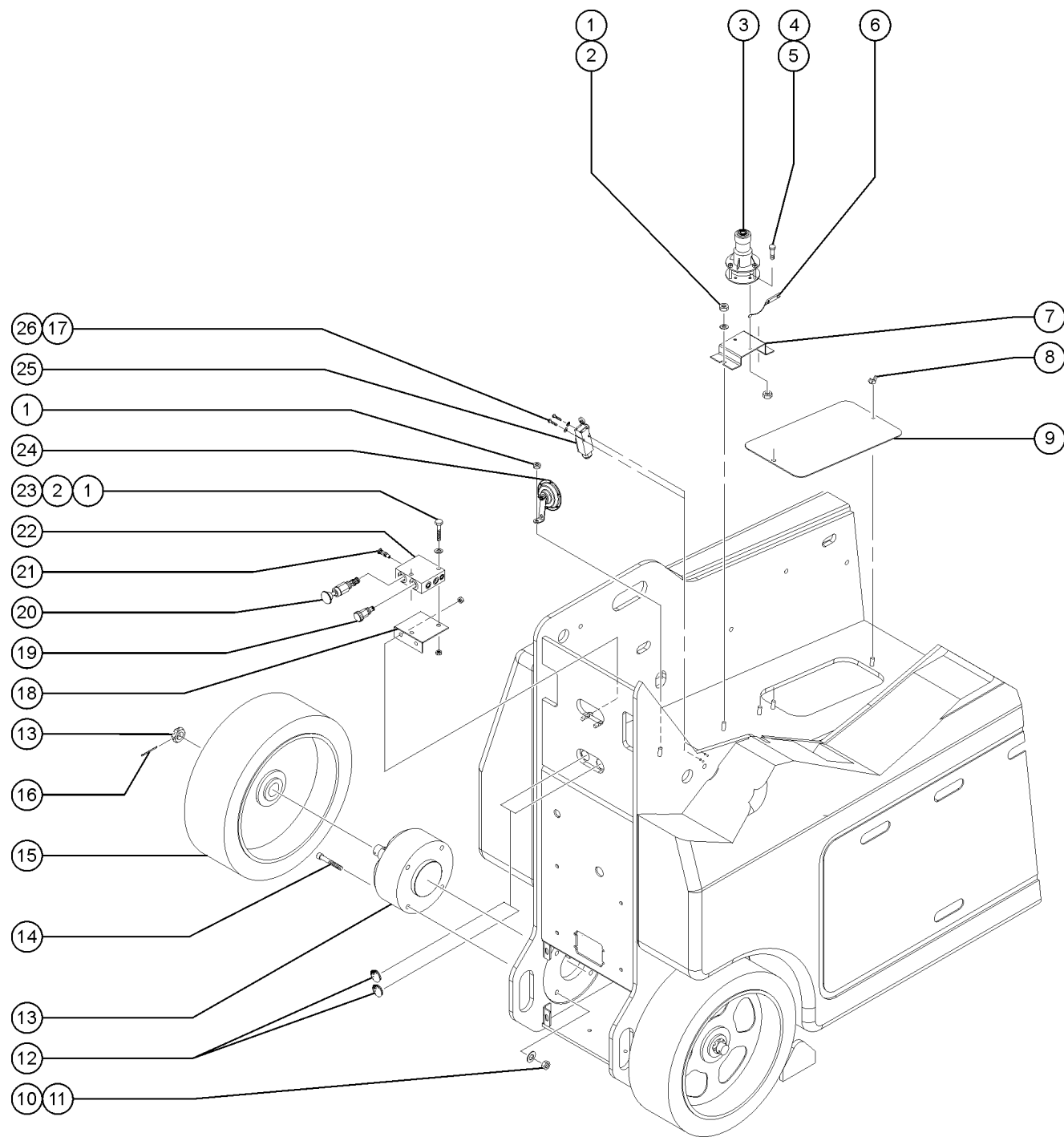
204.1 Non-Steer Axle, Level Sensor, Horn and Brake Release Installation, Z-20/8



204.1 Non-Steer Axle, Level Sensor, Horn and Brake Release Installation, Z-20/8

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
17	40534GT	WASHER,LOCK,#10, CHARGER FUSE	2
18	42173GT	BRACKET,HAND PUMP MOUNT	1
19	44217GT	VALVE,CHECK,PILOT OPERATED***	1
19-	44233GT	SEAL KIT-FOR PN. 44217	1
20	44218GT	VALVE,HAND PUMP**	1
20-	44224GT	SEAL KIT, VALVE	1
21	44216GT	VALVE,SHUTTLE	1
21-	44235GT	SEAL KIT-FOR PN.44216 & 826779	1
22	42093GT	MANIFOLD,BRAKE RELEASE includes index numbers 19, 20 and 21	1
23	8178GT	SCREW,HHC,3/8-16 X 2.5	2
24	45212GT	HORN KIT,24V	1
25	88356-12763GT	SWITCH,LIMIT,W/6.25"SPRING ARM includes squeeze connector	1
25-	110650GT	CONN. SQZ PG11 .30-.40 W/ORING	1
26	44975GT	SCREW,PHILLIPS,PHM,10-32X 1.75	2

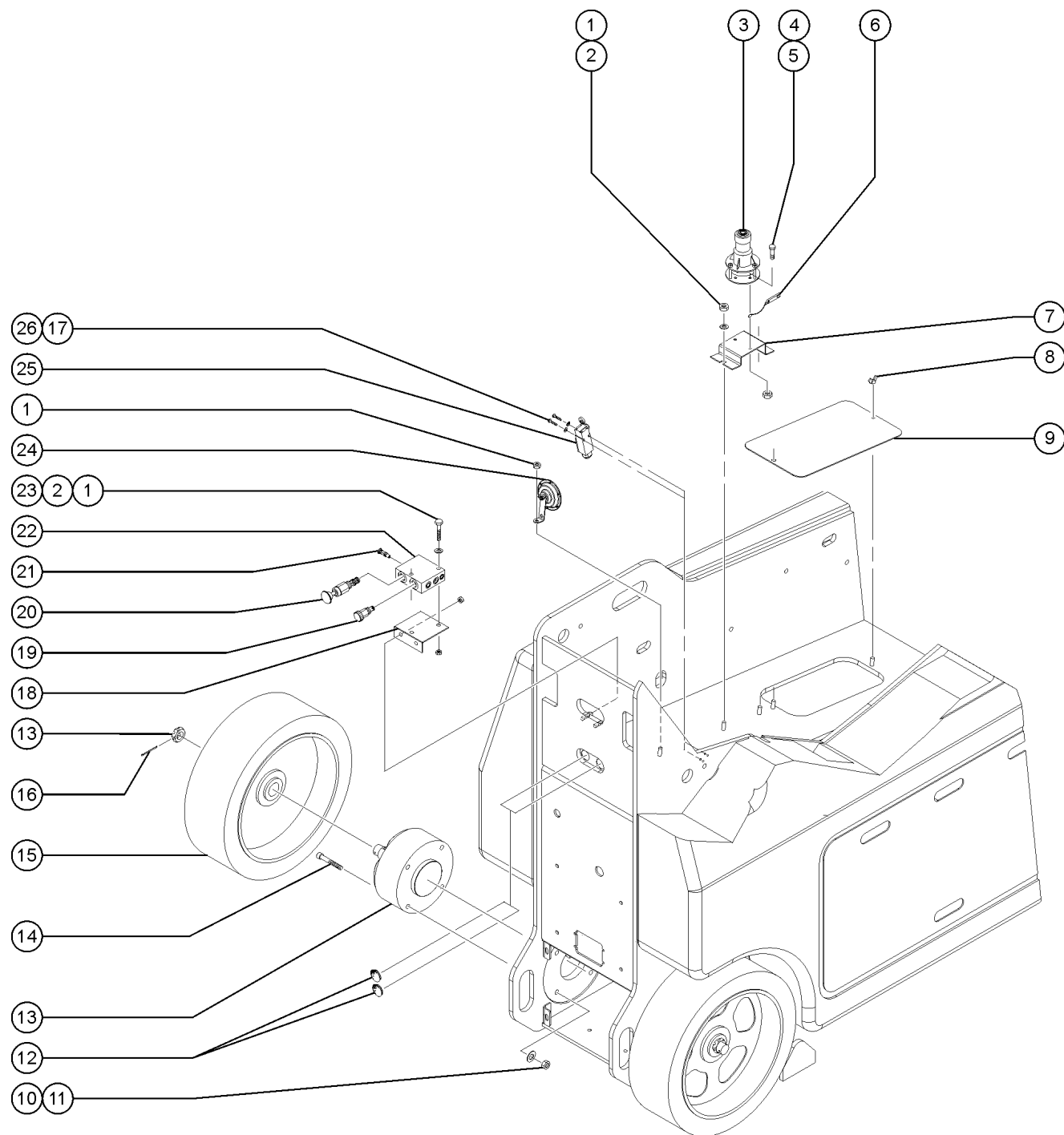
204.2 Non-Steer Axle, Level Sensor, Horn and Brake Release Installation, Z-20/8N



204.2 Non-Steer Axle, Level Sensor, Horn and Brake Release Installation, Z-20/8N

Item	Part No.	Description	Qty.
1	4828GT	NUT,NYLOCK,3/8-16	5
2	5397GT	WASHER,FLAT,USS,5/16",Y	4
3A	44586GT	SENSOR,LEVEL 4.5*** ANSI and CSA Models (replaced PN 74548)	1
3B	42439GT	SENSOR,LEVEL 3 DEG** CE Models	1
4	6888GT	SCREW,HHC,1/4-20 X 1	2
5	6091GT	NUT, NYLOCK, 1/4-20	2
6	44995GT	TILT SENSOR TEST TOOL(SERVICE)	1
		includes lanyard	
7	42678GT	BRACKET,TILT ALARM	1
8	56172GT	WING NUT,NYLON,3/8-16	2
9	94006GT	PLATE-TOP ACCESS WITH GASKET	1
9-	42684GT	GASKET, TOP ACCESS PLATE	1
10	6198GT	NUT, NYLOCK, 1/2-13	8
11	13064GT	WASHER,FLAT,.625 HARDENED	8
12	45385GT	PLUG,NYLON 1.12 BLACK DOMED	2
13A	74297GT	BRAKE,AUSCO,11000 LBS-IN** The Mico brake (PN 36841) used before serial number 1232 is no longer available. When replacing brakes with PN 74297, both brakes must be replaced. DO NOT MIX & MATCH. Customer will need to also order PN 42360, Qty 8.	2
13A-	44780GT	NUT,CASTLE,1.125-18 UNEF	2
13A-	44781GT	KEY,RECTANGULAR,.31X.28X1.25**	
13A-	88000GT	SEAL KIT (66419, 66416, 74297)	
13B		BRAKE, MICO (36841) Component no longer available. Refer to item 13A, above.	
13B-	44828GT	SEAL KIT,BRAKE,MICO*** for Mico brake 36841	
13B-	44829GT	BEARING,BRK,MICO ** for Mico brake 36841	
13B-	44830GT	LINING KIT, BRAKE,MICO 36841** for Mico brake 36841	
13B-	44780GT	NUT,CASTLE,1.125-18 UNEF	
13B-	44781GT	KEY,RECTANGULAR,.31X.28X1.25**	
14	42360GT	SCREW,SHC,1/2-13 X 4 ZINC	8
15	36838GT	TIRE/WHL, NON-MARK Z20 TRACTION	2
16	42079GT	PIN,COTTER,.156 X 2.5	2

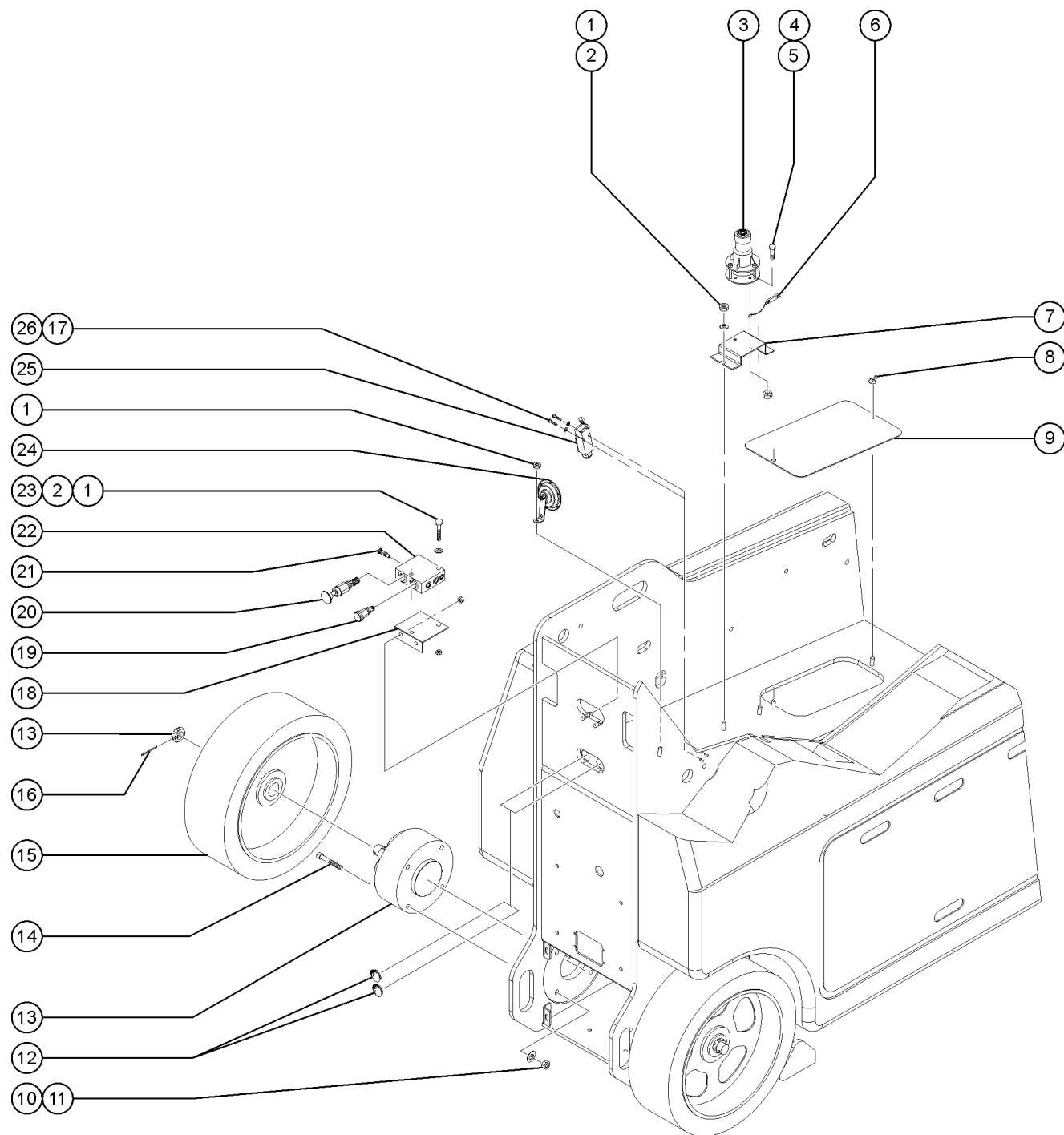
204.2 Non-Steer Axle, Level Sensor, Horn and Brake Release Installation, Z-20/8N



204.2 Non-Steer Axle, Level Sensor, Horn and Brake Release Installation, Z-20/8N

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
17	40534GT	WASHER,LOCK,#10, CHARGER FUSE	2
18	42173GT	BRACKET,HAND PUMP MOUNT	1
19	44217GT	VALVE,CHECK,PILOT OPERATED***	1
19-	44233GT	SEAL KIT-FOR PN. 44217	1
20	44218GT	VALVE,HAND PUMP**	1
20-	44224GT	SEAL KIT, VALVE	1
21	44216GT	VALVE,SHUTTLE	1
21-	44235GT	SEAL KIT-FOR PN.44216 & 826779	1
22	42093GT	MANIFOLD,BRAKE RELEASE includes index numbers 19, 20 and 21	1
23	8178GT	SCREW,HHC,3/8-16 X 2.5	2
24	45212GT	HORN KIT,24V	1
25	88356-12763GT	SWITCH,LIMIT,W/6.25"SPRING ARM includes squeeze connector	
25-	110650GT	CONN. SQZ PG11 .30-.40 W/ORING	
26	44975GT	SCREW,PHILLIPS,PHM,10-32X 1.75	2

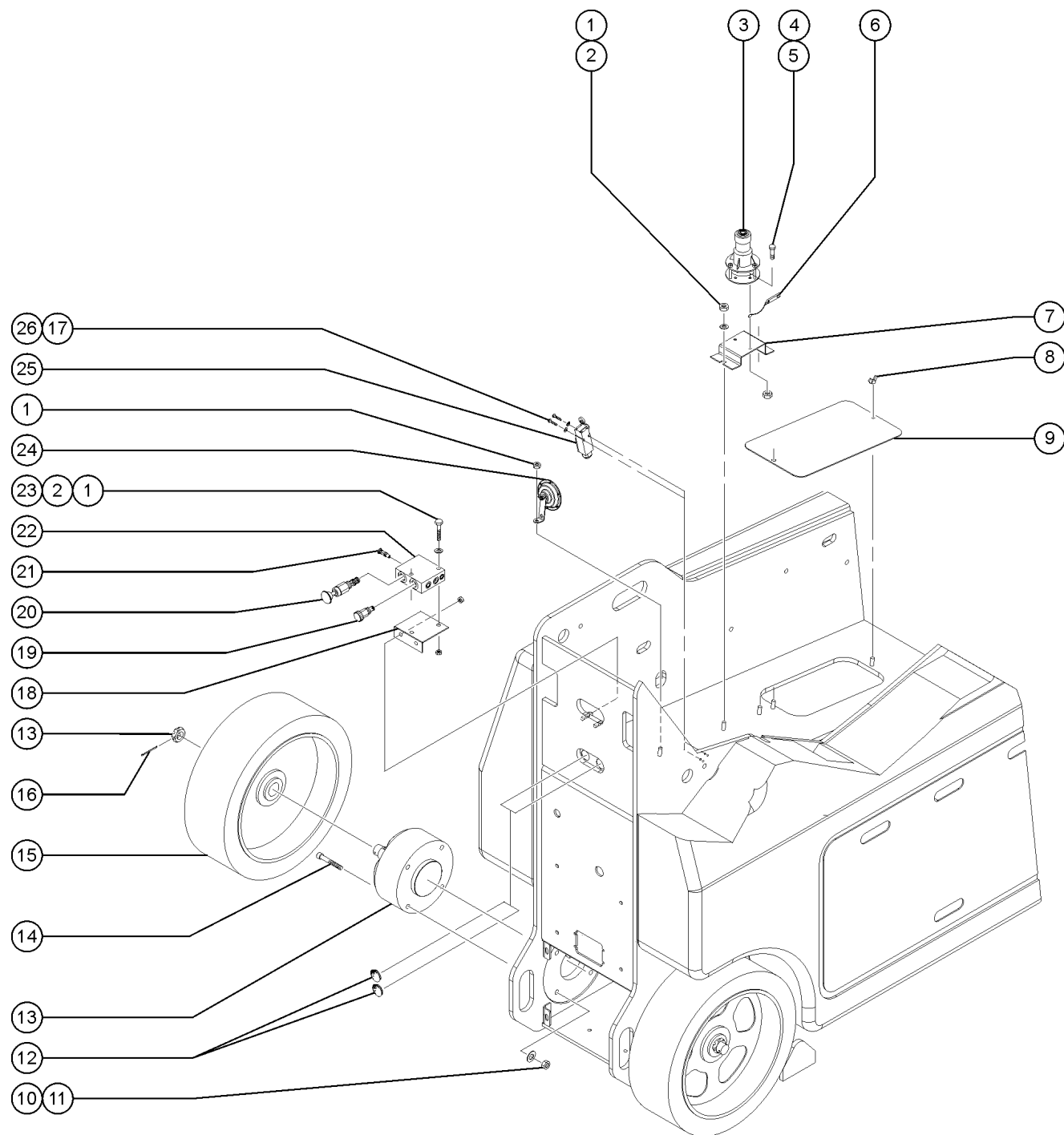
204.3 Non-Steer Axle, Level Sensor, Horn and Brake Release Installation, Z-25/8



204.3 Non-Steer Axle, Level Sensor, Horn and Brake Release Installation, Z-25/8

Item	Part No.	Description	Qty.
1	4828GT	NUT,NYLOCK,3/8-16	5
2	5397GT	WASHER,FLAT,USS,5/16",Y	4
3	44586GT	SENSOR,LEVEL 4.5*** ANSI and CSA Models	1
3-	42439GT	SENSOR,LEVEL 3 DEG** CE Models	1
4	6888GT	SCREW,HHC,1/4-20 X 1	2
5	6091GT	NUT, NYLOCK, 1/4-20	2
6	44995GT	TILT SENSOR TEST TOOL(SERVICE) includes lanyard	1
7	42678GT	BRACKET,TILT ALARM	1
8	56172GT	WING NUT,NYLON,3/8-16	2
9	94006GT	PLATE-TOP ACCESS WITH GASKET	1
9-	42684GT	GASKET,TOP ACCESS PLATE	1
10	6198GT	NUT, NYLOCK, 1/2-13	8
11	13064GT	WASHER,FLAT,.625 HARDENED	8
12	45385GT	PLUG,NYLON 1.12 BLACK DOMED	2
13A	74297GT	BRAKE,AUSCO,11000 LBS-IN** The Mico brake (PN 36841) used before serial number 1232 is no longer available. When replacing brakes with PN 74297, both brakes must be replaced. DO NOT MIX & MATCH. Customer will need to also order PN 42360, Qty 8.	2
13A-	44780GT	NUT,CASTLE,1.125-18 UNEF	2
13A-	44781GT	KEY,RECTANGULAR,.31X.28X1.25**	2
13A-	88000GT	SEAL KIT (66419, 66416, 74297)	
13B		BRAKE, MICO (36841) Component no longer available. Refer to item 13A, above.	
13B-	44828GT	SEAL KIT,BRAKE,MICO*** for Mico brake 36841	
13B-	44829GT	BEARING,BRK,MICO ** for Mico brake 36841	
13B-	44830GT	LINING KIT, BRAKE,MICO 36841** for Mico brake 36841	
13B-	44780GT	NUT,CASTLE,1.125-18 UNEF	
13B-	44781GT	KEY,RECTANGULAR,.31X.28X1.25**	
14	42360GT	SCREW,SHC,1/2-13 X 4 ZINC	8
15	36838GT	TIRE/WHL,NON-MARK Z20 TRACTION	2
16	42079GT	PIN,COTTER,.156 X 2.5	2

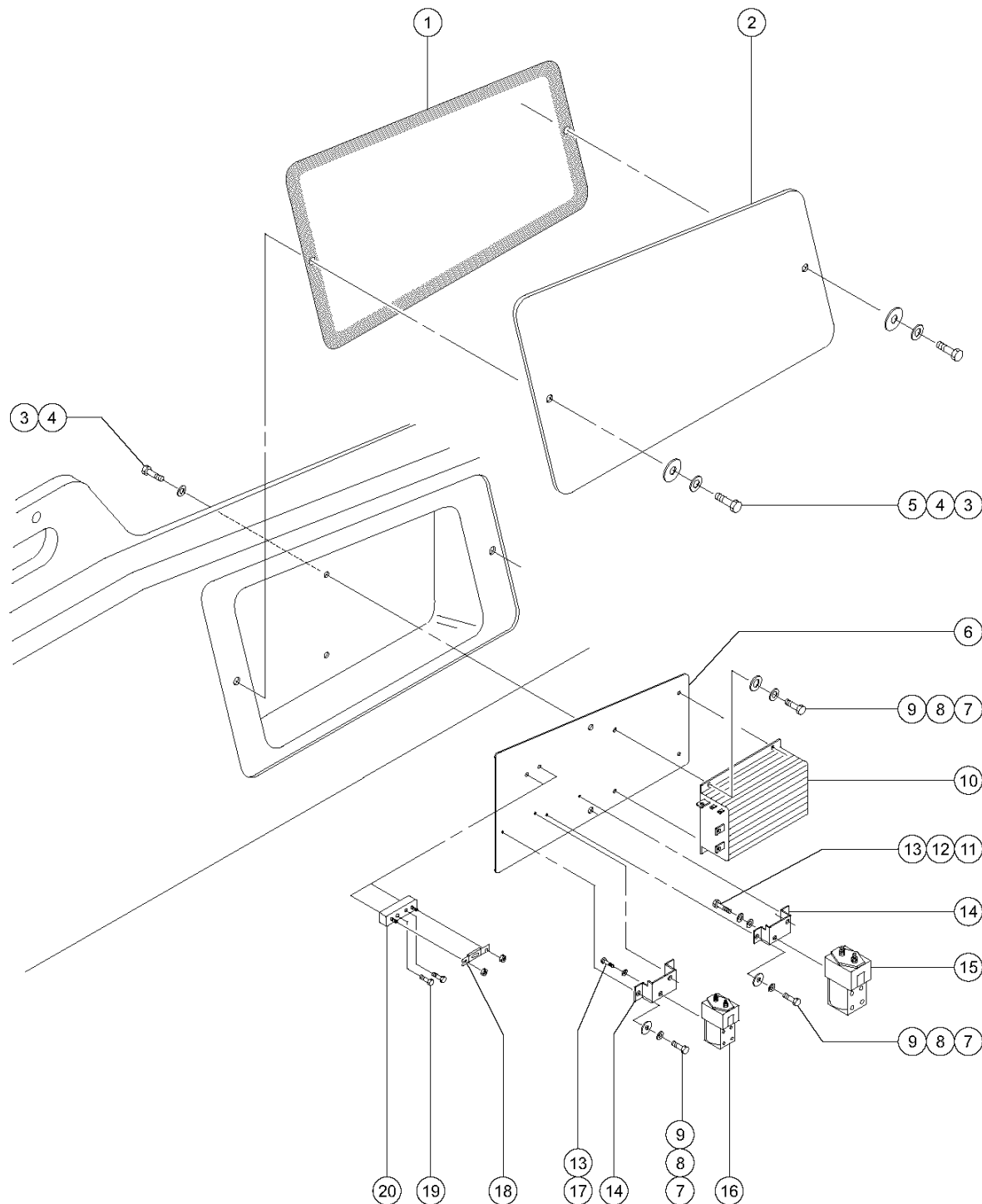
204.3 Non-Steer Axle, Level Sensor, Horn and Brake Release Installation, Z-25/8



204.3 Non-Steer Axle, Level Sensor, Horn and Brake Release Installation, Z-25/8

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
17	40534GT	WASHER,LOCK,#10, CHARGER FUSE	2
18	42173GT	BRACKET,HAND PUMP MOUNT	1
19	44217GT	VALVE,CHECK,PILOT OPERATED***	1
19-	44233GT	SEAL KIT-FOR PN. 44217	1
20	44218GT	VALVE,HAND PUMP**	1
20-	44224GT	SEAL KIT, VALVE	1
21	44216GT	VALVE,SHUTTLE	1
21-	44235GT	SEAL KIT-FOR PN.44216 & 826779	1
22	42093GT	MANIFOLD,BRAKE RELEASE includes index numbers 19, 20 and 21	1
23	8178GT	SCREW,HHC,3/8-16 X 2.5	2
24	45212GT	HORN KIT,24V	1
25	88356-12763GT	SWITCH,LIMIT,W/6.25"SPRING ARM includes squeeze connector	1
25-	110650GT	CONN. SQZ PG11 .30-.40 W/ORING	1
26	44975GT	SCREW,PHILLIPS,PHM,10-32X 1.75	2

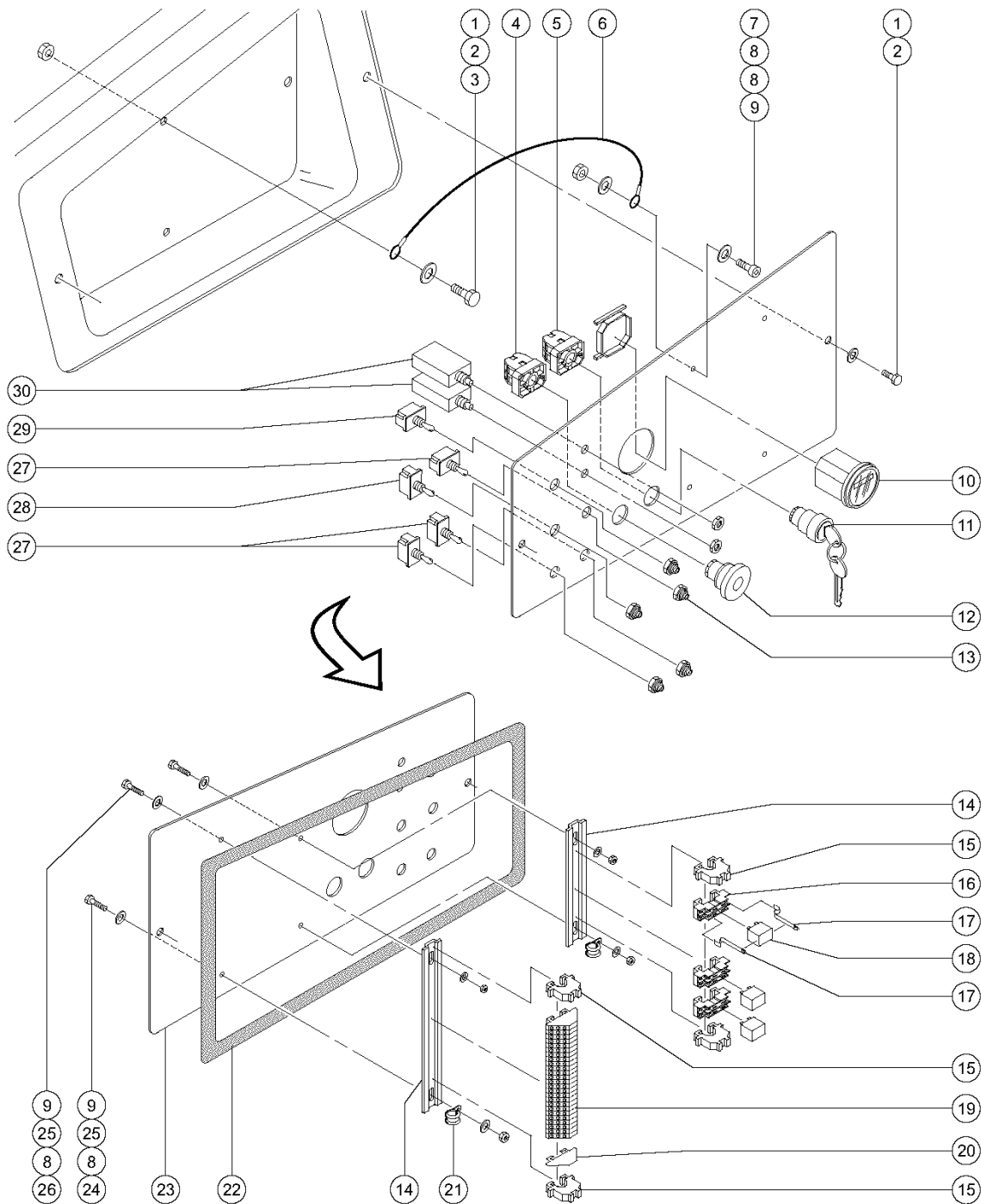
205.1 Electronic Control Module Installation



205.1 Electronic Control Module Installation

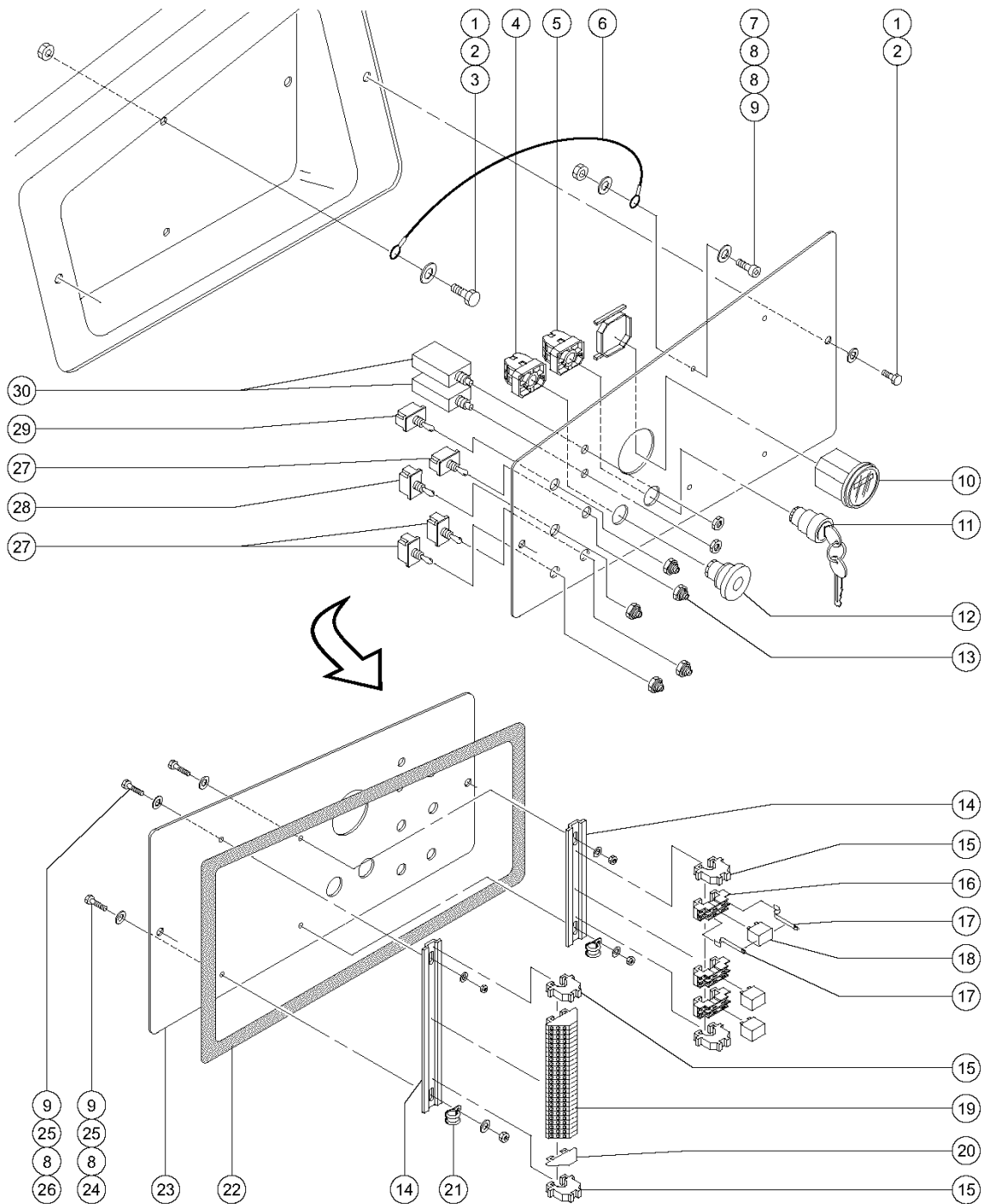
<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
1	42383GT	GASKET,COVER PLATE,Z20	1
2	46231GT	COVER,CONTROL MODULE,Z-20	1
		includes index number 1	
3	6175GT	SCREW,HHC,3/8-16 X 1	4
4	6021GT	WASHER,LOCK, .375	4
5	5397GT	WASHER,FLAT,USS,5/16",Y	2
6	46259GT	MOUNTING PLATE,CONTROLLER,Z20	1
7	7339GT	SCREW,HHC,1/4-20 X .5	8
8	6356GT	WASHER,LOCK, .25	8
9	6638GT	WASHER, FLAT, USS, 1/4"Y	8
10	36844GT	CONTROLL.DC MTR.SPD 275AMP	1
11	6606GT	SCREW,RHM,10-32 X .75	2
12	6607GT	WASHER,LOCK,#10 PLTD	2
13	6146GT	WASHER,FLAT,MS,#10,Y	4
14	19815GT	BRACKET, RELAY MOUNTING	2
15	74267GT	CONTACTOR,DRIVE,24V,180A***	1
15	74469GT	FIXED CONTACT (FOR 74267)	1
15	74470GT	MOVING CONTACT (FOR PN 74267)	1
15	74468GT	SPRING, RETURN (FOR 74267)	1
16	74268GT	CONTACTOR,AUX PUMP 24V,80A***	1
16	22263GT	CONTACT,STATIONARY,19549RELAY*	1
16	22262GT	CONTACT,MOVING,19549RELAY*	1
16	74495GT	SPRING, RETURN (FOR 74268)	1
17	22542GT	M4 X 5 PHILLIPS (CHEESEHEAD)	2
18	36355GT	FUSE,100 AMP,VERY FAST ACTING	1
19	17626GT	SCREW,FHM,10-32 X .75	2
20	66717GT	FUSE BLOCK, ANN & ANL FUSE	1

206.1 Ground Controls Installation, Z-20/8



Item	Part No.	Description	Qty.
1	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	3
2	5397GT	WASHER,FLAT,USS,5/16",Y	3
3	4828GT	NUT,NYLOCK,3/8-16	1
4	66821GT	BASE,WITHOUT CONTACTS	1
4-	66818GT	CONTACT,NC	2
5	66821GT	BASE,WITHOUT CONTACTS	1
5-	66816GT	CONTACT,N.O.***	2
6	42385GT	CABLE ASSY,Z20	1
7	49816GT	SCREW,PHILLIPS,PHM,10-32 X .75	1
8	6146GT	WASHER,FLAT,MS,#10,Y	6
9	6178GT	NUT, NYLOCK, 10-32	5
10	19506GT	HOUR METER, 10-80 VOLTS*** includes mounting bracket	1
11	122512GT	KIT,KEYSWITCH SVC BB & SM BOOM includes index number 5	
11-	66811GT	KEYSWITCH,3POS.MNTND.DR WKEY** includes keyswitch and two keys, not included: base or contacts.	1
11-	122366GT	KEYSWITCH,CONTACTS LOCK	
11-	21982GT	KEY,SINGLE***	
12	122514GT	KIT,ESTOP SVC BB&SM BOOM includes index number 4	1
12-	66812GT	BUTTON,PUSH,RED MUSHROOM HEAD	1
13	27246GT	BOOT,TOGGLE SWITCH,SHORT*	5
14	42315GT	DIN RAIL,6.38"	2
15	25974GT	PLASTIC END STOP	4
16	33608GT	RELAY,SOCKET,OMRON	3
17	42617GT	CLIP,SPRING,POTTER BRUMFIELD from SN 114	
17-	33609GT	RELAY,HOLD DOWN,OMRON to SN 113	
18	42616GT	RELAY,POTTER BRUMFIELD 24V ** from SN 114	
18-	42616GT	RELAY,POTTER BRUMFIELD 24V ** to SN 113	
19	56213GT	TERMINAL RAIL	26
20	25837GT	TERMINAL STRIP END PLATE	1

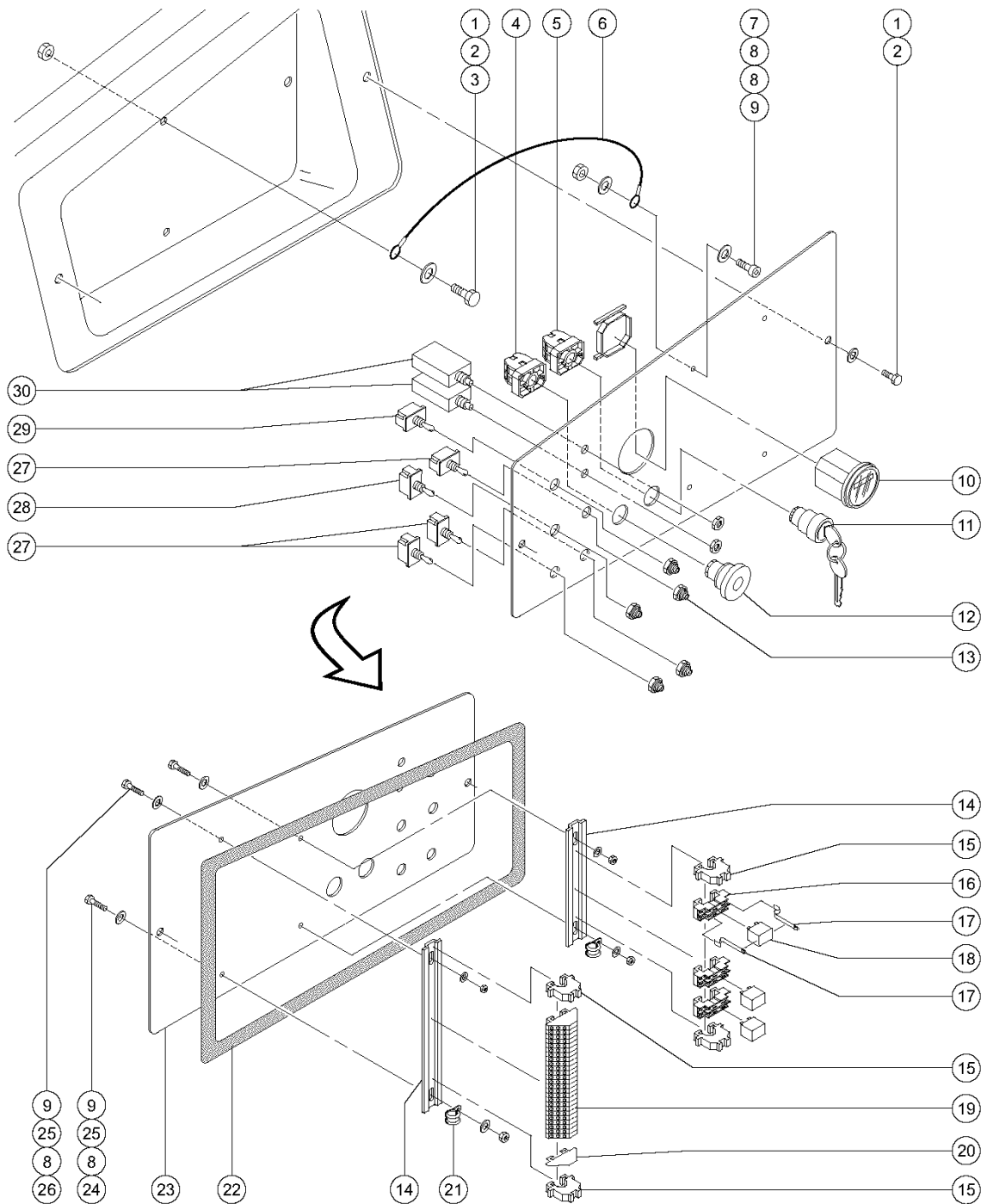
206.1 Ground Controls Installation, Z-20/8



206.1 Ground Controls Installation, Z-20/8

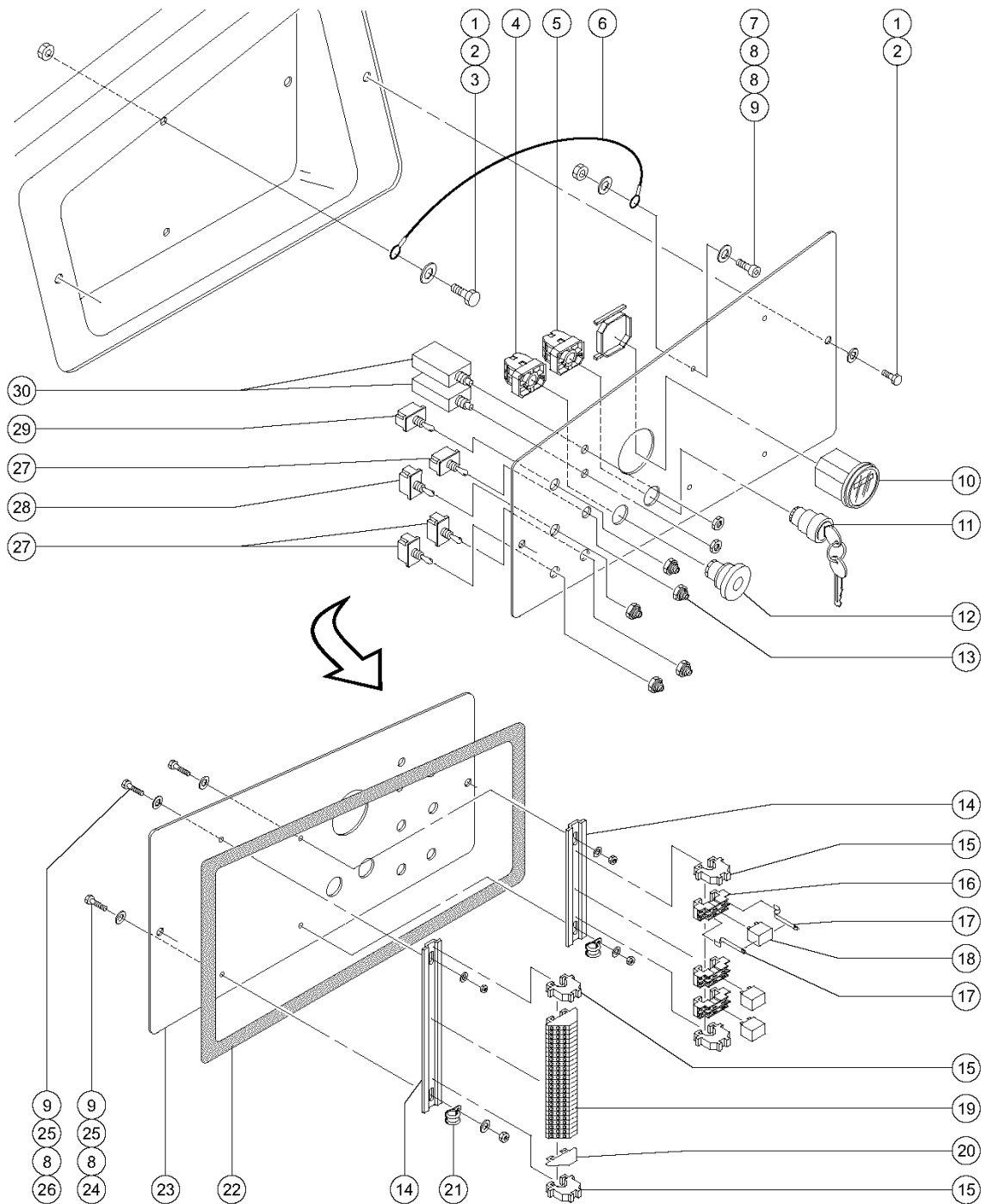
<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
21	13268GT	CLAMP, 0.75, #12 X 1/4, RUB CUSH	1
22	42384GT	GASKET,GROUND CONTROL PNL,Z20	1
23	44940GT	GROUND CONTROL PANEL W/DECAL	1
		includes index number 22	
24	5094GT	SCREW,RHM,10-32 X .5	2
25	6607GT	WASHER,LOCK,#10 PLTD	4
26	6606GT	SCREW,RHM,10-32 X .75	2
27	128202GT	SWITCH TOGGLE ASSY DPDT 3P MOM	3
		includes mounting fasteners	
28	42730-SGT	SWITCH,TOGGLE SPDT,2POS MOMEN	1
		includes mounting fasteners	
29	13037-SGT	SWITCH,TOGGLE,SPDT,3POS MOMEN*	1
		includes mounting fasteners	
30	147093GT	ASSY, CIRCUIT BREAKER 10A	2
		includes mounting fasteners	

206.2 Ground Controls Installation, Z-20/8N



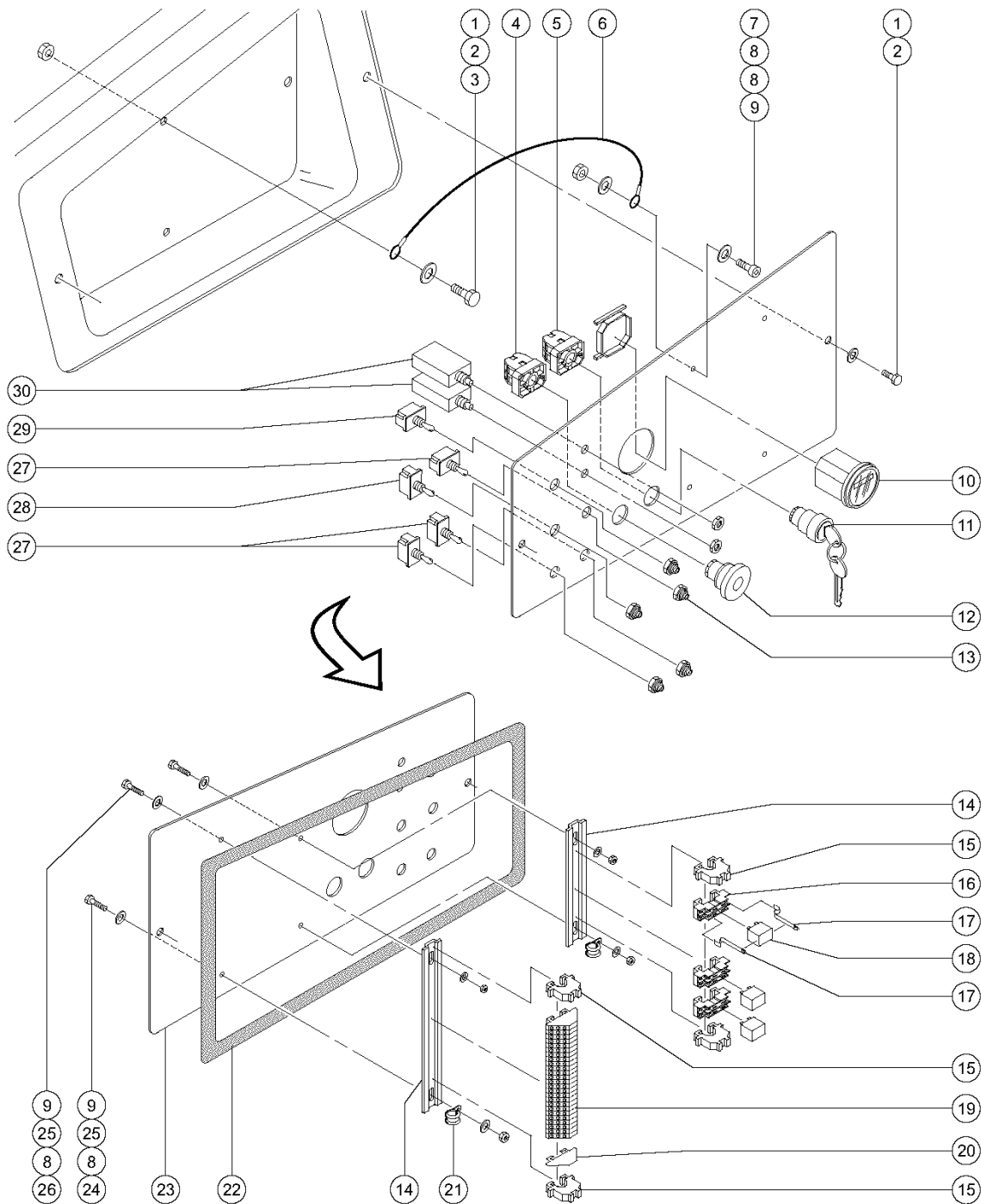
Item	Part No.	Description	Qty.
1	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	3
2	5397GT	WASHER,FLAT,USS,5/16",Y	3
3	4828GT	NUT,NYLOCK,3/8-16	1
4	66821GT	BASE,WITHOUT CONTACTS	1
4-	66818GT	CONTACT,NC	2
5	66821GT	BASE,WITHOUT CONTACTS	1
5-	66816GT	CONTACT,N.O.***	2
6	42385GT	CABLE ASSY,Z20	1
7	49816GT	SCREW,PHILLIPS,PHM,10-32 X .75	1
8	6146GT	WASHER,FLAT,MS,#10,Y	6
9	6178GT	NUT, NYLOCK, 10-32	5
10	19506GT	HOUR METER, 10-80 VOLTS*** includes mounting bracket	1
11	122512GT	KIT,KEYSWITCH SVC BB & SM BOOM includes index number 5	1
11-	66811GT	KEYSWITCH,3POS.MNTND.DR WKEY** includes keyswitch and two keys, not included: base or contacts.	
11-	122366GT	KEYSWITCH,CONTACTS LOCK	
11-	21982GT	KEY,SINGLE***	
12	122514GT	KIT,ESTOP SVC BB&SM BOOM includes index number 4	1
12	66812GT	BUTTON,PUSH,RED MUSHROOM HEAD	1
13	27246GT	BOOT,TOGGLE SWITCH,SHORT*	5
14	42315GT	DIN RAIL,6.38"	2
15	25974GT	PLASTIC END STOP	4
16	33608GT	RELAY,SOCKET,OMRON	3
17	42617GT	CLIP,SPRING,POTTER BRUMFIELD from SN 385	
17-	33609GT	RELAY,HOLD DOWN,OMRON to SN 384	
18	42616GT	RELAY,POTTER BRUMFIELD 24V ** from SN 385	
18-	42616GT	RELAY,POTTER BRUMFIELD 24V ** to SN 386	
19	56213GT	TERMINAL RAIL	26
20	25837GT	TERMINAL STRIP END PLATE	1

206.2 Ground Controls Installation, Z-20/8N



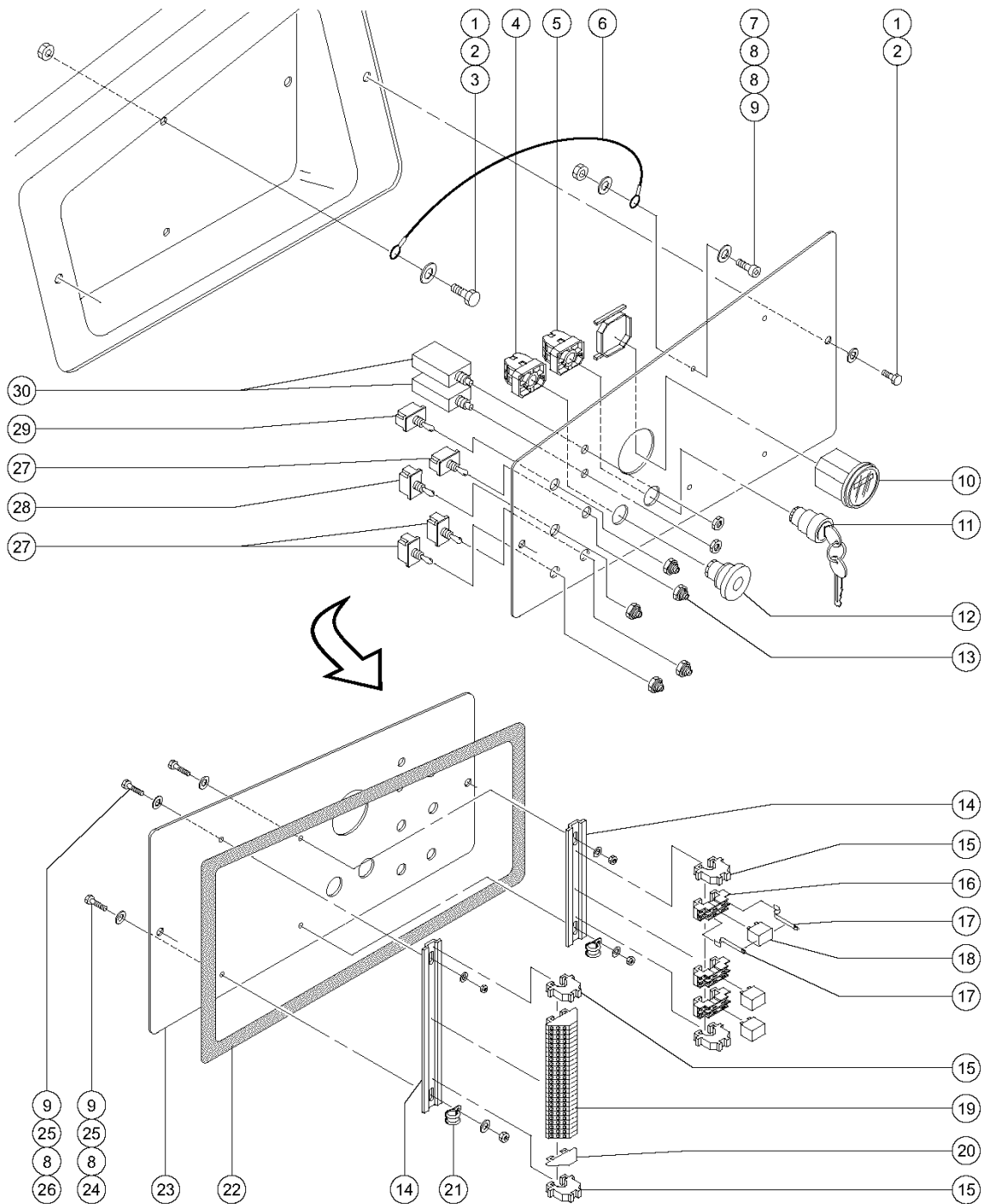
<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
21	13268GT	CLAMP, 0.75, #12 X 1/4, RUB CUSH	1
22	42384GT	GASKET,GROUND CONTROL PNL,Z20	1
23	44940GT	GROUND CONTROL PANEL W/DECAL	1
		includes index number 22	
24	5094GT	SCREW,RHM,10-32 X .5	2
25	6607GT	WASHER,LOCK,#10 PLTD	4
26	6606GT	SCREW,RHM,10-32 X .75	2
27	16397-SGT	SWITCH,TOGGLE,DPDT,3POS MOMEN	3
		includes mounting fasteners	
28	42730-SGT	SWITCH,TOGGLE SPDT,2POS MOMEN	1
		includes mounting fasteners	
29	13037-SGT	SWITCH,TOGGLE,SPDT,3POS MOMEN*	1
		includes mounting fasteners	
30	147093GT	ASSY, CIRCUIT BREAKER 10A	2
		includes mounting fasteners	

206.3 Ground Controls Installation, Z-25/8



Item	Part No.	Description	Qty.
1	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	3
2	5397GT	WASHER,FLAT,USS,5/16",Y	3
3	4828GT	NUT,NYLOCK,3/8-16	1
4	66821GT	BASE,WITHOUT CONTACTS	1
4-	66818GT	CONTACT,NC	2
5	66821GT	BASE,WITHOUT CONTACTS	1
5-	66816GT	CONTACT,N.O.***	2
6	42385GT	CABLE ASSY,Z20	1
7	49816GT	SCREW,PHILLIPS,PHM,10-32 X .75	1
8	6146GT	WASHER,FLAT,MS,#10,Y	6
9	6178GT	NUT, NYLOCK, 10-32	5
10	19506GT	HOUR METER, 10-80 VOLTS*** includes mounting bracket	1
11	122512GT	KIT,KEYSWITCH SVC BB & SM BOOM includes index number 5	1
11-	66811GT	KEYSWITCH,3POS.MNTND.DR WKEY** includes keyswitch and two keys, not included: base or contacts.	
11-	122366GT	KEYSWITCH,CONTACTS LOCK	
12	122514GT	KIT,ESTOP SVC BB&SM BOOM includes index number 4	1
12-	66812GT	BUTTON,PUSH,RED MUSHROOM HEAD	1
13	27246GT	BOOT,TOGGLE SWITCH,SHORT*	5
14	42315GT	DIN RAIL,6.38"	2
15	25974GT	PLASTIC END STOP	4
16	33608GT	RELAY,SOCKET,OMRON	3
17	42617GT	CLIP,SPRING,POTTER BRUMFIELD from SN 101	3
17-	33609GT	RELAY,HOLD DOWN,OMRON to SN 100	6
18	42616GT	RELAY,POTTER BRUMFIELD 24V ** from SN 101	3
18-	42616GT	RELAY,POTTER BRUMFIELD 24V ** to SN 100	3
19	56213GT	TERMINAL RAIL	26
20	25837GT	TERMINAL STRIP END PLATE	1
21	13268GT	CLAMP, 0.75, #12 X 1/4, RUB CUSH	1

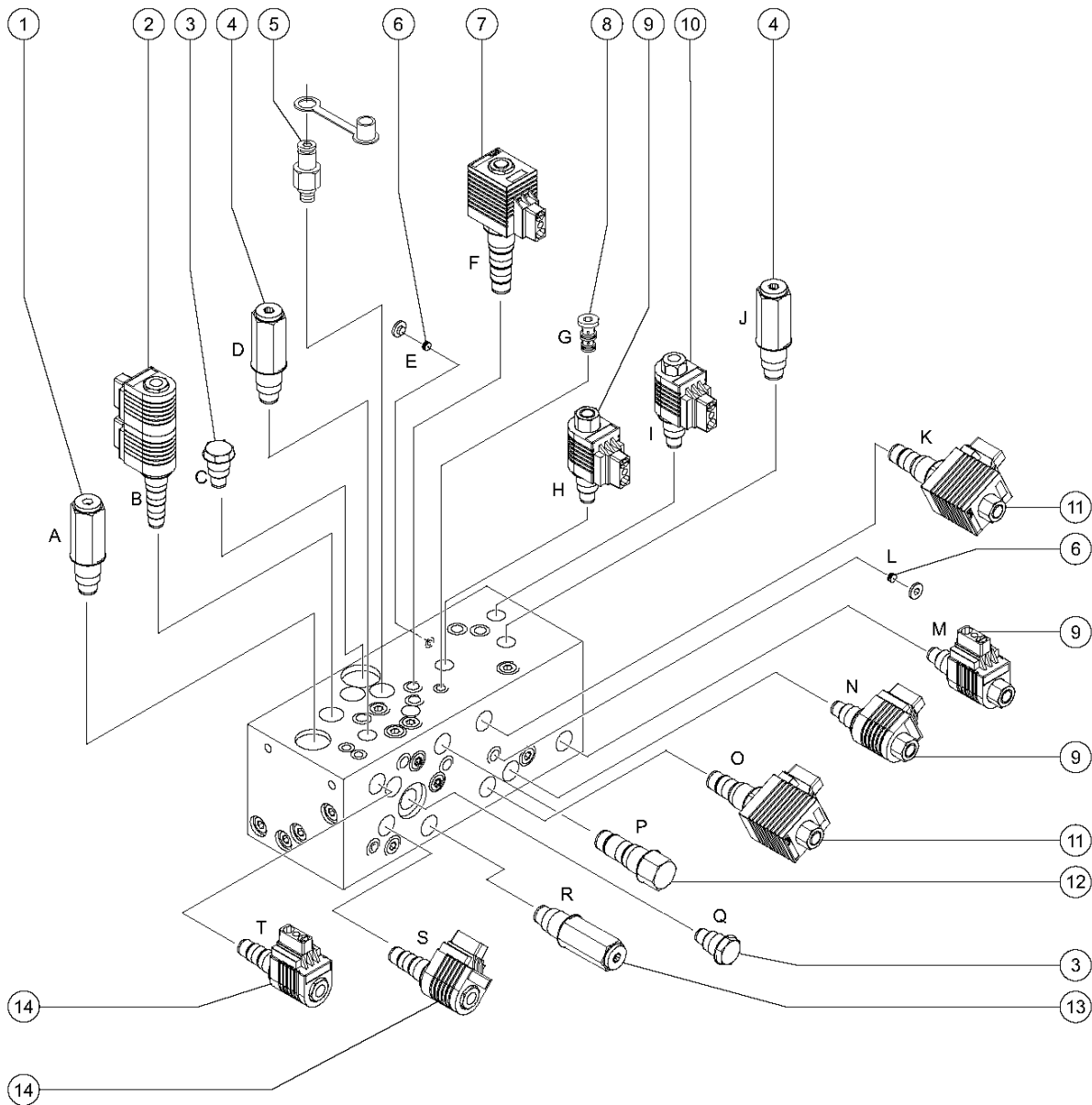
206.3 Ground Controls Installation, Z-25/8



206.3 Ground Controls Installation, Z-25/8

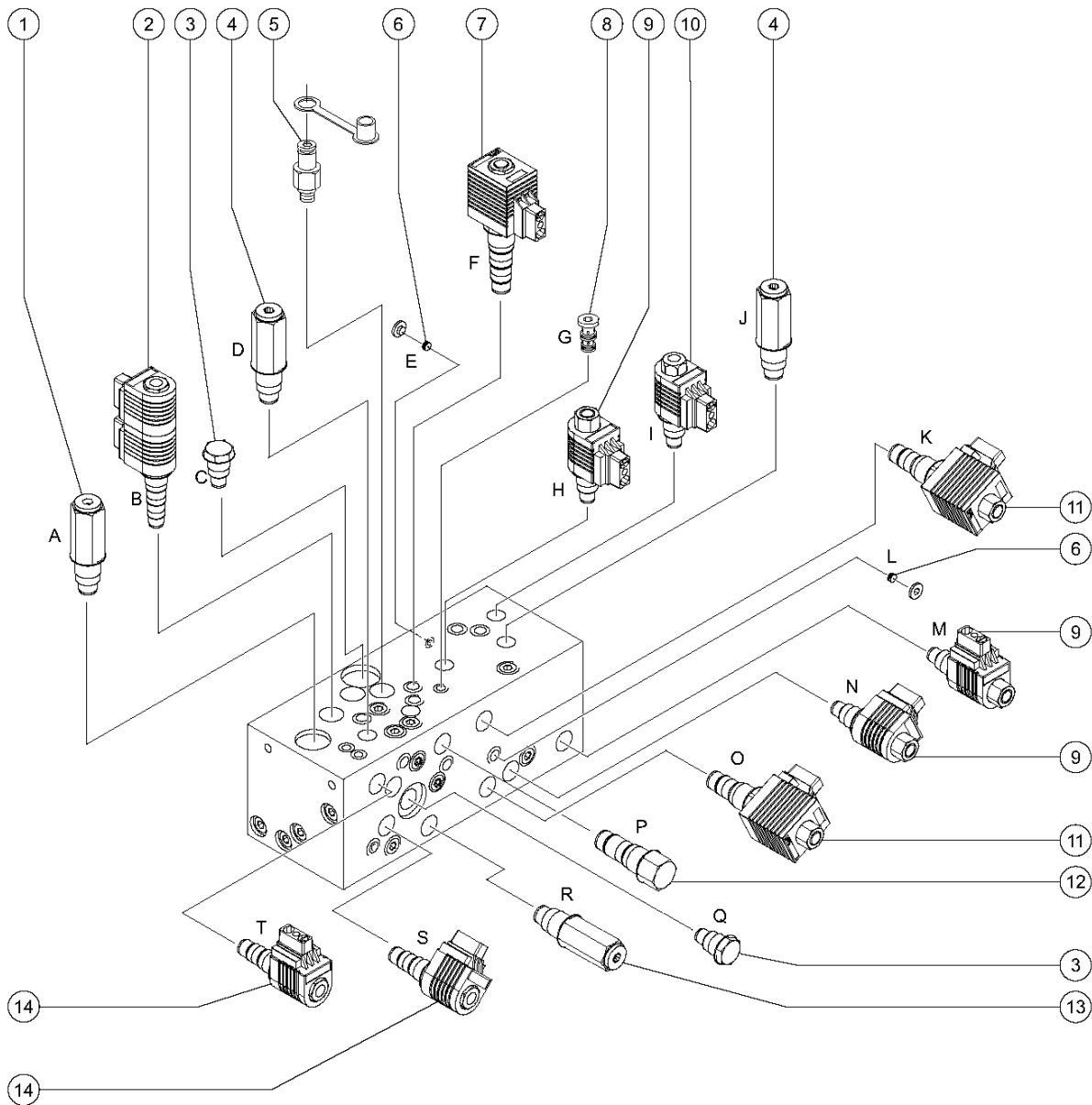
<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
22	42384GT	GASKET,GROUND CONTROL PNL,Z20	1
23	44940GT	GROUND CONTROL PANEL W/DECAL includes index number 22	1
24	5094GT	SCREW,RHM,10-32 X .5	2
25	6607GT	WASHER,LOCK,#10 PLTD	4
26	6606GT	SCREW,RHM,10-32 X .75	2
27	16397-SGT	SWITCH,TOGGLE,DPDT,3POS MOMEN includes mounting fasteners	3
28	42730-SGT	SWITCH,TOGGLE,SPDT,2POS MOMEN includes mounting fasteners	1
29	13037-SGT	SWITCH,TOGGLE,SPDT,3POS MOMEN* includes mounting fasteners	1
30	147093GT	ASSY, CIRCUIT BREAKER 10A includes mounting fasteners	2

207.1 Function Manifold



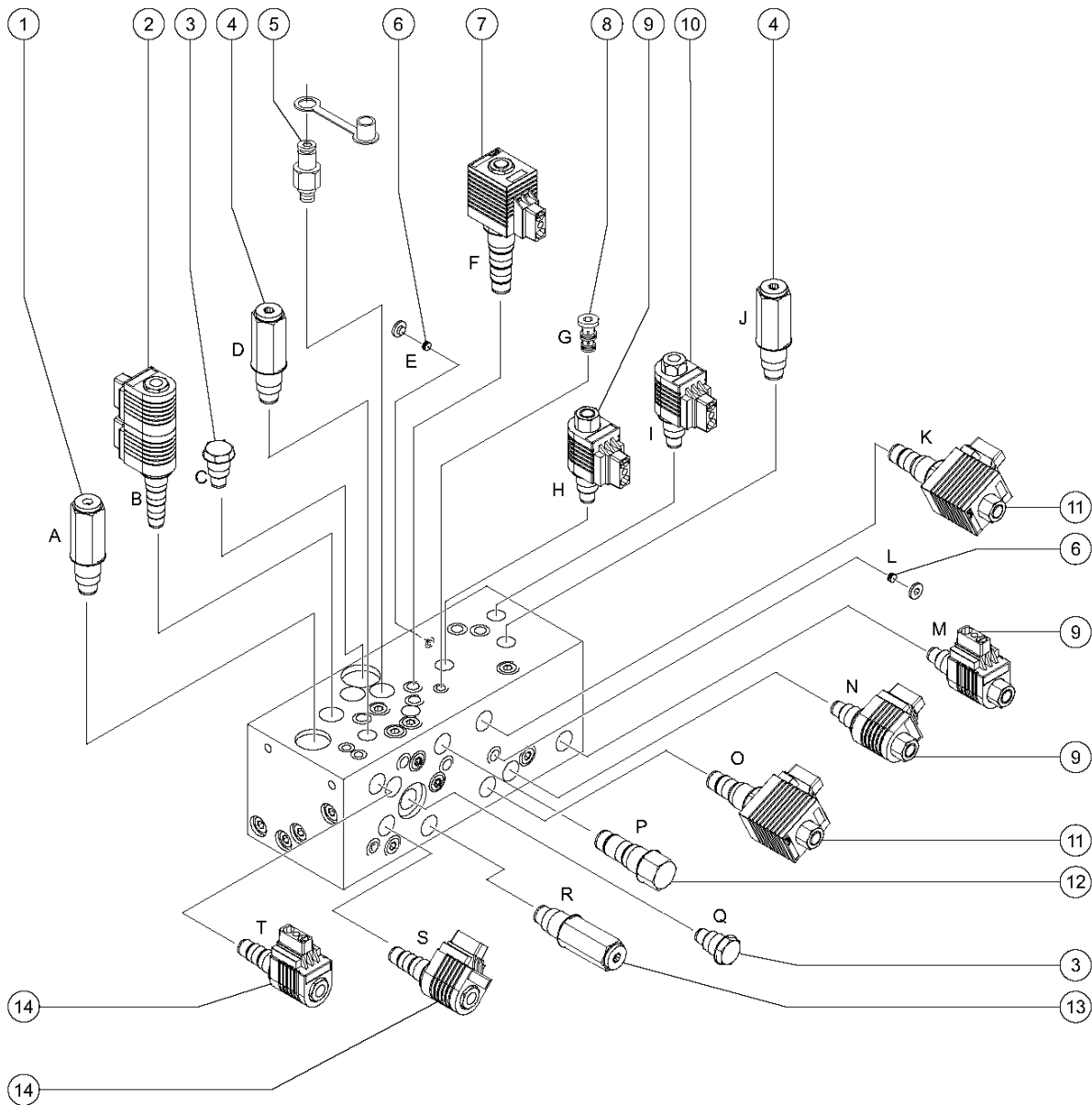
Item	Part No.	Description	Qty.
	36864GT	MANIFOLD,MAIN, Z20/8	
	28750GT	O-RING KIT,FIELD SVC,ALL PROD*	
	33994GT	PLUG AND CAP KIT-SERVICE,37 **	
1	44950GT	VALVE,RELIEF,1500 PSI***	1
1	110194GT	SEAL KIT, VALVE, #10	
2	44955GT	VALVE,SOLENOID,20V W/ DIODE	1
2	74907GT	VALVE,SOLENOID 3P4W W/O COIL	1
2	40422GT	COIL,SOLENOID,20V W/ DIODE,#10	1
2	52943GT	NUT, SOLENOID VALVE COIL	1
2	110196GT	SEAL KIT, VALVE, #10	
3	45543GT	VALVE,CHECK, 50 PSI	2
3	74902GT	SEAL KIT, VALVE	
4	45491GT	VALVE,RELIEF 2000 PSI	1
4	110194GT	SEAL KIT, VALVE, #10	
5	48997GT	NIPPLE,DIAGNOSTIC,#4	1
5	48880GT	CAP,DIAGNOSTIC NIPPLE	1
5	20224GT	DIAGNOSTIC FEMALE Q-DSCNT	1
6	52724GT	PLUG,ORIFICE,0.030 (50684)	2
7	44952GT	VALVE, SOLENOID, 20 V W/DIODE	1
7		VALVE,2POS 4WAY W/O COIL	1
7	40422GT	COIL,SOLENOID,20V W/ DIODE,#10	1
7	52943GT	NUT, SOLENOID VALVE COIL	1
8	45483GT	VALVE,SHUTTLE***	1
9	44956GT	VALVE,SOLENOID 20V W/DIODE	3
9	74901GT	VALVE, SOLENOID, W/O COIL	3
9	40413GT	COIL,SOLND,W/D,20V SGL SPADE	3
9	45912GT	NUT,SOLENOID VALVE 2P3W	3
9	74902GT	SEAL KIT, VALVE	

207.1 Function Manifold



Item	Part No.	Description	Qty.
10	44998GT	VALVE,SOLENOID,2POS 2WAY N.O.*	1
10	74910GT	VALVE, 2WAY SOLENOID W/O COIL	1
10	40413GT	COIL,SOLND,W/D,20V SGL SPADE	1
10	45912GT	NUT,SOLENOID VALVE 2P3W	1
10	89297GT	SEAL KIT, SOLENOID VALVE	
11	44953GT	VALVE,SOLENOID,20V W/ DIODE	2
11	74908GT	VALVE, 2POS 3WAY, W/O COIL	2
11	40422GT	COIL,SOLENOID,20V W/ DIODE,#10	2
11	45912GT	NUT,SOLENOID VALVE 2P3W	2
11	89310GT	SEAL KIT, SOLENOID VALVE	
12	18912GT	VALVE,FLOW REGULATOR .75	1
12	72049GT	SEAL, CHECK VALVE	
13	45779GT	VALVE,RELIEF (45028 MANIFOLD)*	1
13	110194GT	SEAL KIT, VALVE, #10	
14	44954GT	VALVE,SOLENOID,20V W/ DIODE **	2
14	74899GT	VALVE, SOLENOID, W/O COIL	2
14	40413GT	COIL,SOLND,W/D,20V SGL SPADE	2
14	52943GT	NUT, SOLENOID VALVE COIL	2
14	72043GT	SEAL KIT,SOLENOID VALVE	
A		Relief Valve	
		Boom Down	
B		Solenoid Valve	
		Steer Left/Right	
C		Check Valve	
		Auxiliary Pump	
D		Relief Valve	
		Steering Circuit	
E		Orifice, Plug	
		Brake Circuit	
F		Solenoid Valve	
		High/Low Drive Speed	
G		Shuttle Valve	
		Brake Circuit	
H		Solenoid Valve	
		Pump Unload	
I		Solenoid Valve	
		Jib/Rotate Bypass	

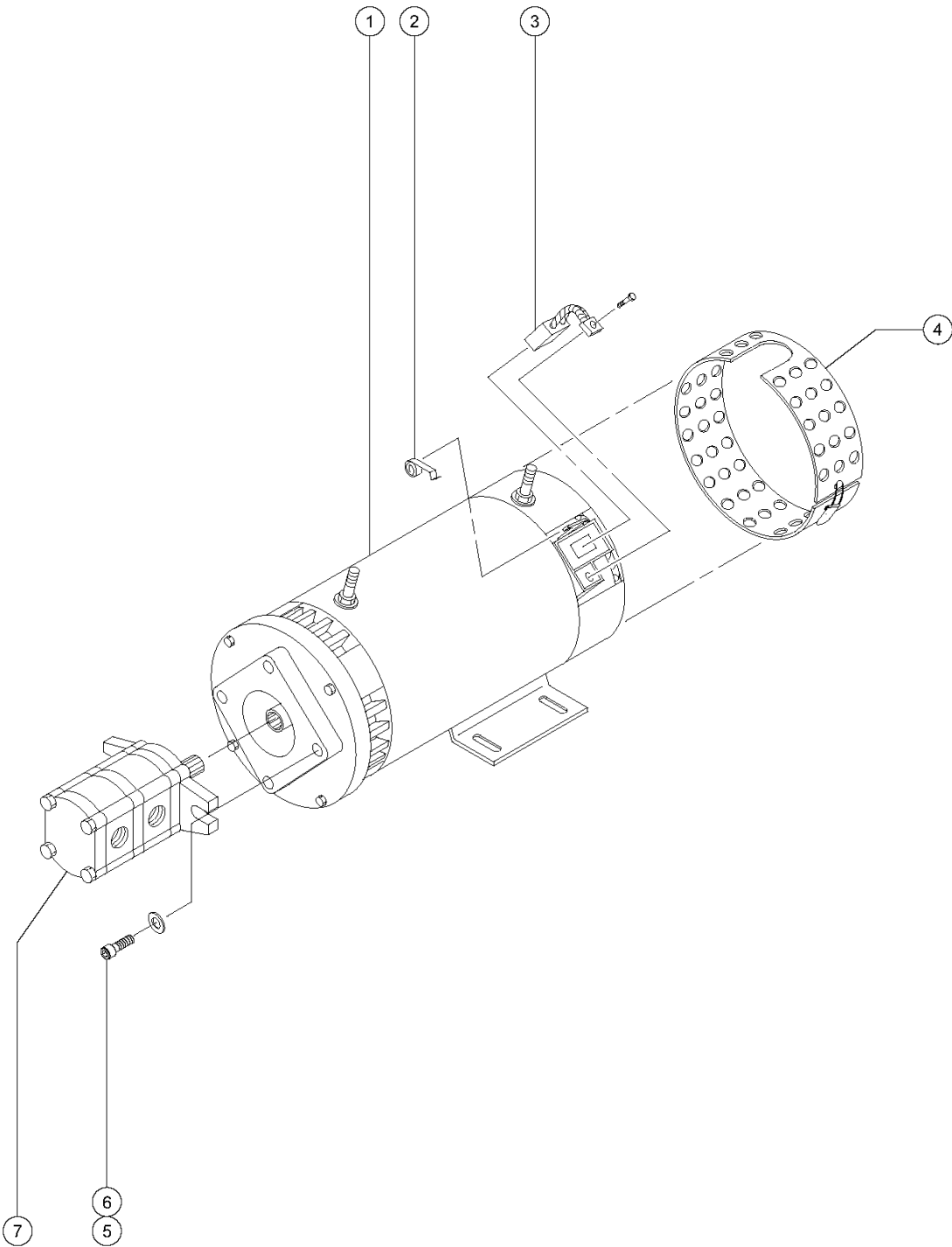
207.1 Function Manifold



Item	Part No.	Description	Qty.
J		Relief Valve Drive Counterbalance	
K		Solenoid Valve Drive Reverse	
L		Orifice, Plug	
M		Solenoid Valve Steer Circuit	
N		Solenoid Valve Brake Release	
O		Solenoid Valve Drive Forward	
P		Flow Regulator Steer/Jib Rotate	
Q		Check Valve Auxiliary Pump	
R		Relief Valve System Relief	
S		Solenoid Valve Boom Down	
T		Solenoid Valve BoomUp	



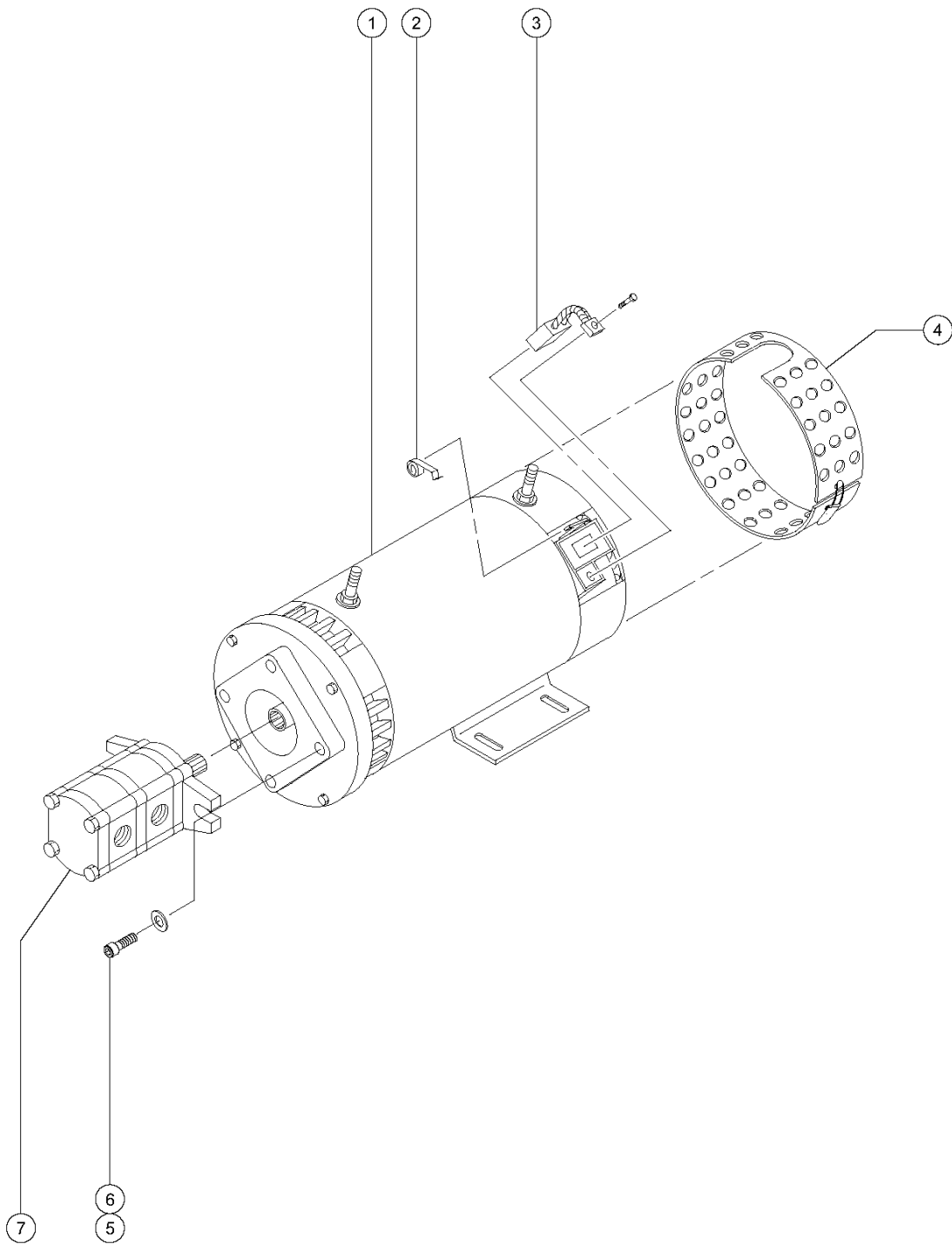
208.1 Hydraulic Power Unit, Z-20/8



208.1 Hydraulic Power Unit, Z-20/8

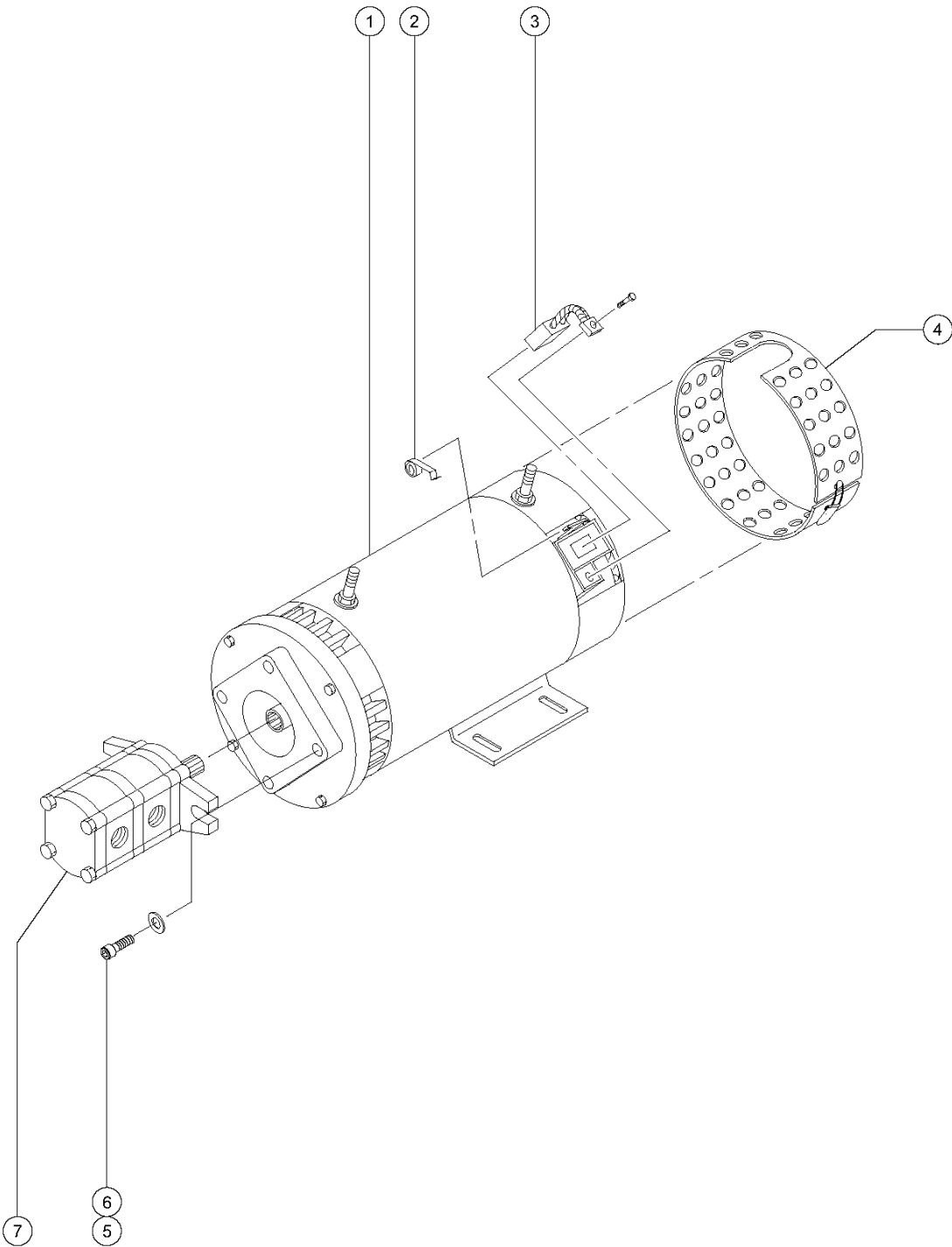
<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
	65635GT	POWER UNIT ASSEMBLY (Z-20)	
1	36843GT	MOTOR,48VDC includes index numbers 2 through 4	1
1	44963GT	BEARING,MOTOR,36843, FAN END	1
1	44778GT	BEARING,MOTOR,36843,BRUSH END*	1
1	46261GT	MOTOR LEAD ASSY KIT, 36843	1
2	37189GT	SPRING, BRUSH RETAINER, 36182*	4
3	44961GT	BRUSH,MOTOR,36843	4
4	44962GT	MOTOR HEADBAND,36843	1
5	44064GT	SCREW,HHC,M10 X 30MM,	2
6	22700GT	WASHER,LOCK,M10	2
7	56652GT	GEAR PUMP,2 SECT, 8CC X 4CC from SN 125	1
7	62215GT	SEAL KIT-TANDEM PUMP 55940	1
7	56735GT	PUMP KIT, Z20N*** to SN 124	1

208.2 Hydraulic Power Unit, Z-20/8N



<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
	65635GT	POWER UNIT ASSEMBLY (Z-20)	
1	36843GT	MOTOR,48VDC includes index numbers 2 through 4	1
1	44963GT	BEARING,MOTOR,36843, FAN END	1
1	44778GT	BEARING,MOTOR,36843,BRUSH END*	1
1	46261GT	MOTOR LEAD ASSY KIT, 36843	1
2	37189GT	SPRING, BRUSH RETAINER, 36182*	4
3	44961GT	BRUSH,MOTOR,36843	4
4	44962GT	MOTOR HEADBAND,36843	1
5	44064GT	SCREW,HHC,M10 X 30MM,	2
6	22700GT	WASHER,LOCK,M10	2
7	56652GT	GEAR PUMP,2 SECT, 8CC X 4CC from SN 968	
7	62215GT	SEAL KIT-TANDEM PUMP 55940	1
7	56735GT	PUMP KIT, Z20N*** to SN 967	

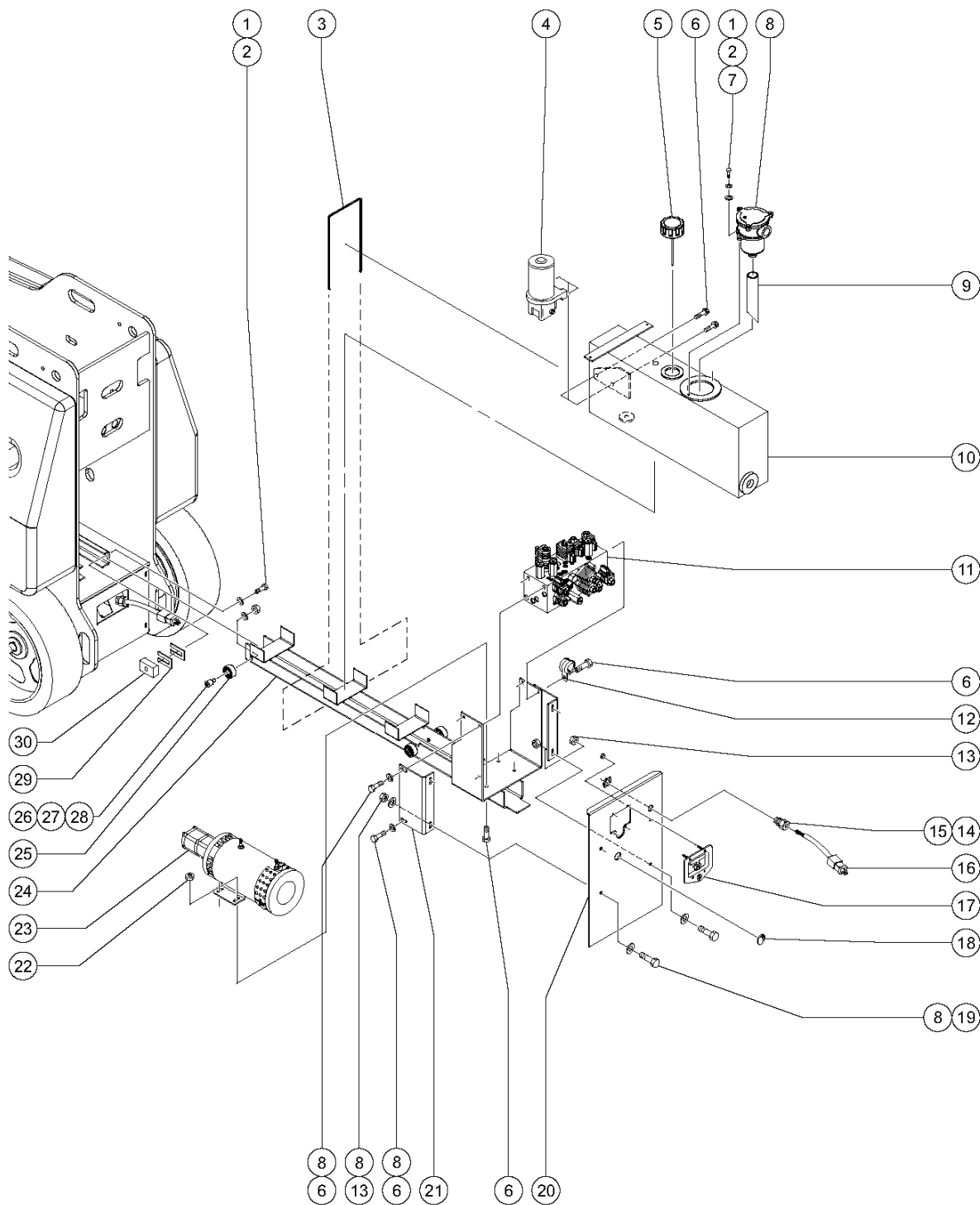
208.3 Hydraulic Power Unit, Z-25/8



208.3 Hydraulic Power Unit, Z-25/8

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
	65635GT	POWER UNIT ASSEMBLY (Z-20)	
1	36843GT	MOTOR,48VDC includes index numbers 2 through 4	1
1	44963GT	BEARING,MOTOR,36843, FAN END	1
1	44778GT	BEARING,MOTOR,36843,BRUSH END*	1
1	46261GT	MOTOR LEAD ASSY KIT, 36843	1
2	37189GT	SPRING, BRUSH RETAINER, 36182*	4
3	44961GT	BRUSH,MOTOR,36843	4
4	44962GT	MOTOR HEADBAND,36843	1
5	44064GT	SCREW,HHC,M10 X 30MM,	2
6	22700GT	WASHER,LOCK,M10	2
7	56652GT	GEAR PUMP,2 SECT, 8CC X 4CC from SN 229	
7	62215GT	SEAL KIT-TANDEM PUMP 55940	1
7	56735GT	PUMP KIT, Z20N*** to SN 228	

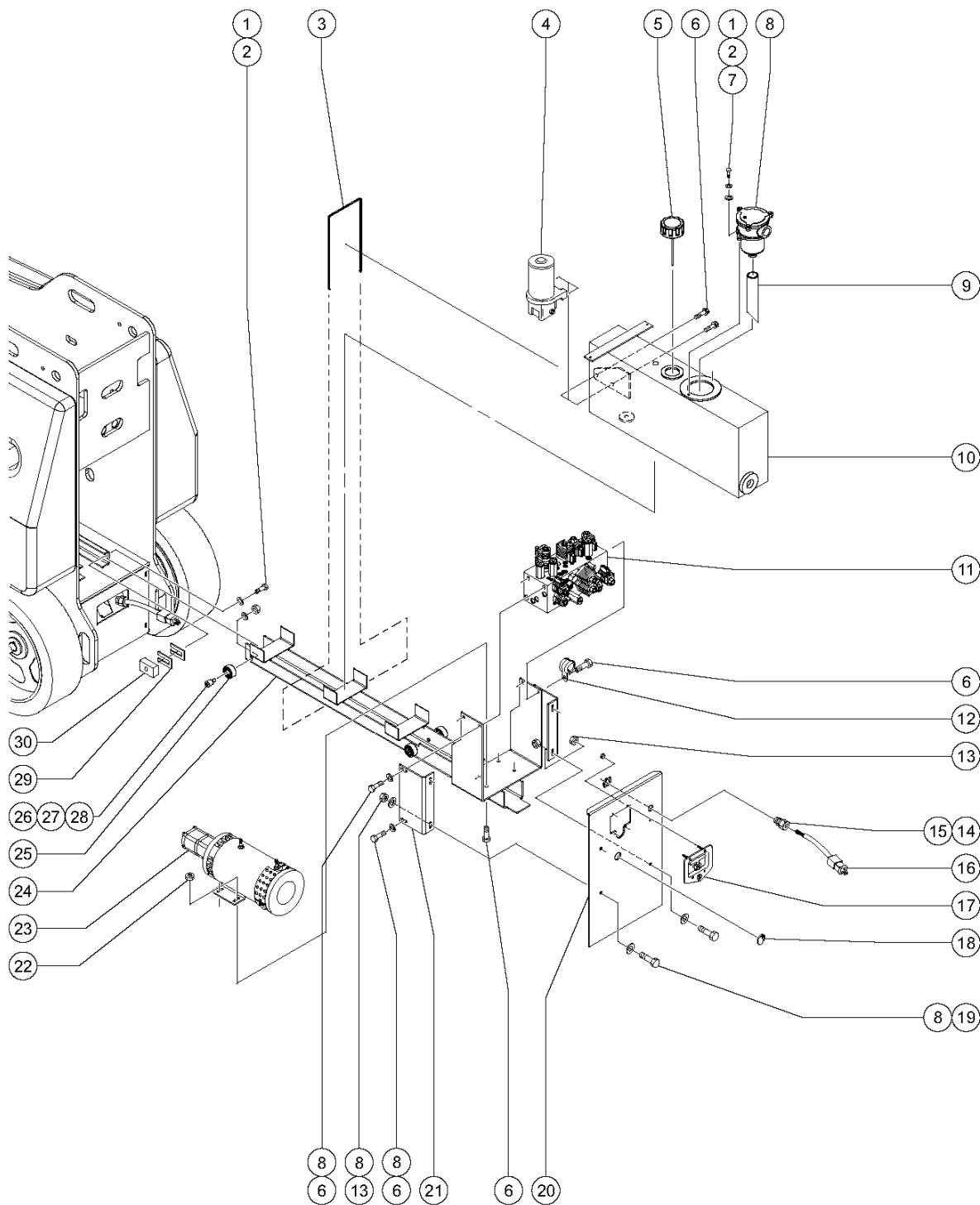
209.1 Hydraulic Installation (from Z20N-776)



209.1 Hydraulic Installation (from Z20N-776)

Item	Part No.	Description	Qty.
1	6888GT	SCREW,HHC,1/4-20 X 1	5
2	6356GT	WASHER,LOCK,.25	5
3	42944GT	HOSE CLAMP,11 IN	1
4	36179GT	POWER UNIT,AUX PUMP 24VDC	1
4	37187GT	SEAL KIT, 37185 PUMP	1
4	37186GT	VALVE,CHECK (36179)	1
4	37192GT	COUPLER, PUMP / MOTOR (36179)	1
5		CAP W/DIPSTICK component no longer available	1
6	18506GT	SCREW 5/16-18 X .75 LG.FLG.LCK.	10
7	6638GT	WASHER, FLAT, USS, 1/4"Y	11
8	T109281GT	FILTER ASSY,RETURN	1
8	52627GT	FILTER,ELEMENT,10 MICRON,42682	1
9	42929GT	HOSE,RET.FILTER DWN TUBE RUBBE	1
10	42680GT	TANK,HYDRAULIC,7 GALLON	1
11		Ref. Function Manifold	1
		refer to 207.1	
12	45454GT	CLAMP,0.75,#12 X 3/8,RUB CUSH*	4
13	6091GT	NUT, NYLOCK, 1/4-20	4
14	7056GT	CONN, SQZ, 1/2NPT, 0.38-0.50,SM	1
15	6935GT	CONN, SQZ, 1/2NPT, LOCKNUT	1
16	6595GT	PLUG,ELECTRICAL,DOMESTIC	1
17	56037GT	LATCH,SLAM WITH KEY (56037) includes mounting hardware and 1 pair of keys (component no longer available)	1
17	29314GT	KEY,LATCH, 1 PAIR (28125)	1
18	45385GT	PLUG,NYLON 1.12 BLACK DOMED	1
19	6090GT	SCREW, HHC, 1/4-20 X .75	4
20	74796GT	COMPONENT TRAY COVER W/DECALS	1
21	56038GT	REAR COVER MOUNT BRACKET	2
22	18503GT	NUT, LOCKING - LG FLANGE 5/16 - 18	4
23		Ref. Hydraulic Power Unit	4
		refer to 208.1	

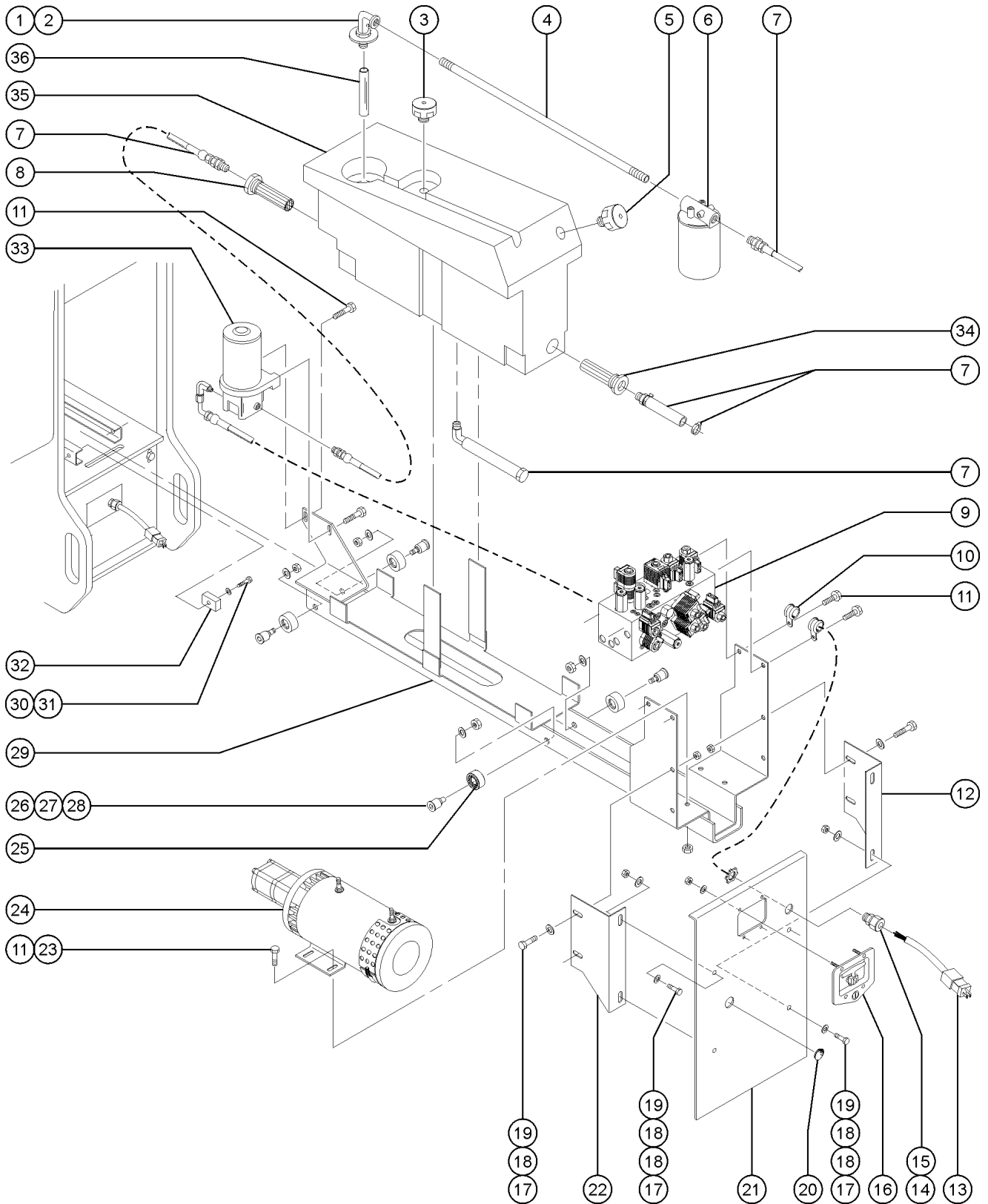
209.1 Hydraulic Installation (from Z20N-776)



209.1 Hydraulic Installation (from Z20N-776)

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
24	42672GT	COMPONENT TRAY WELDMENT	1
25	38016GT	ROLLER,PLASTIC,AWP96**	4
26	35706GT	BOLT,ROLLER,.470"(SHORT)	4
27	5397GT	WASHER,FLAT,USS,5/16",Y	4
28	7713GT	NUT, LP NYLOCK, 3/8-16	4
29	56041GT	SHIM,1.00X.064	4
30	42444GT	STOP,COMPONENT TRAY	2

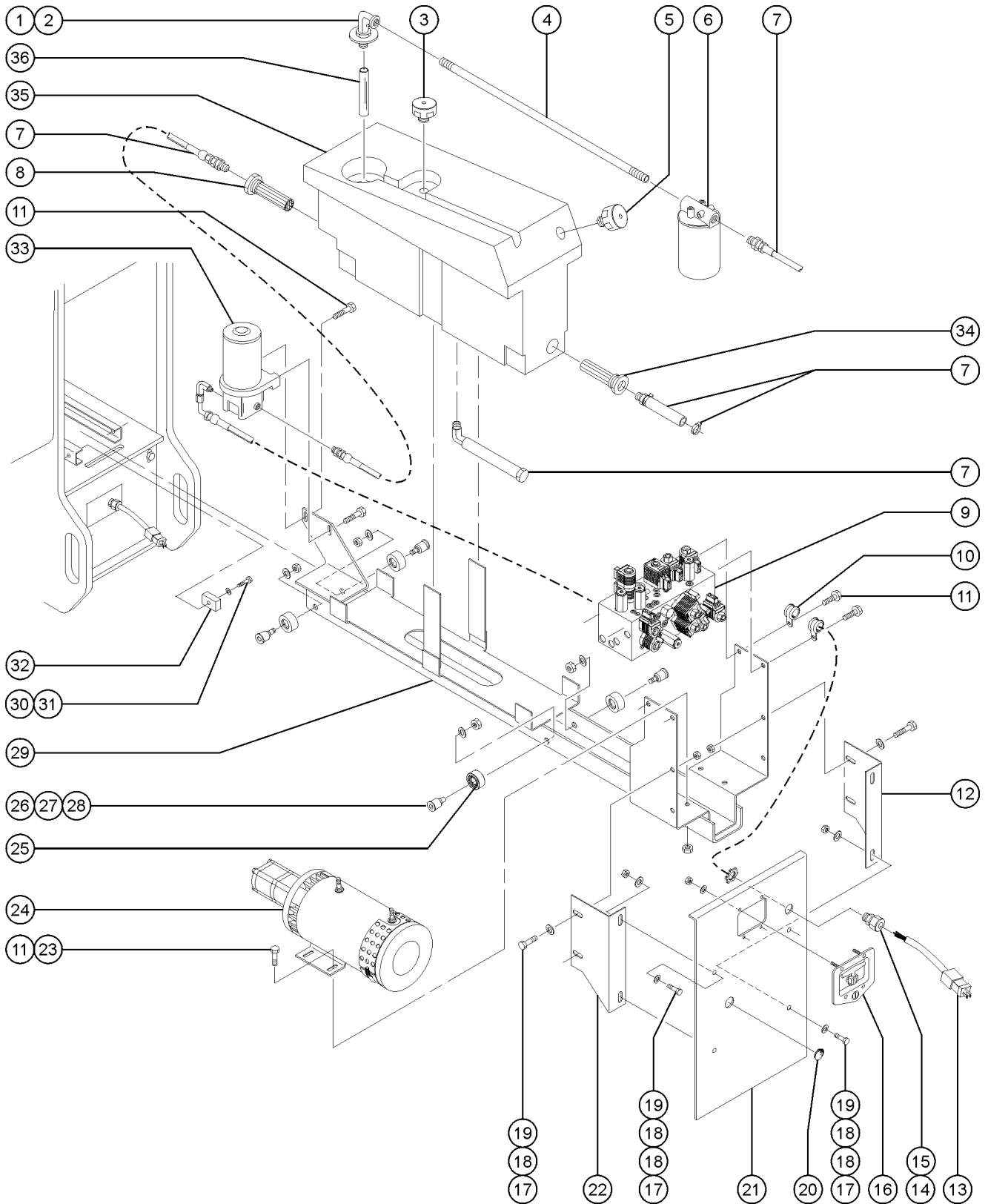
210.1 Hydraulic Installation (to SN Z20N-775)



210.1 Hydraulic Installation (to SN Z20N-775)

Item	Part No.	Description	Qty.
	56735GT	PUMP KIT, Z20N*** for all models with Barnes Pumps	
1	42368GT	ELBOW, STREET, 1/2"NPT, STLYELZN	1
2	39223GT	BULKHEAD FITTING, PLASTIC X 8**	1
3	78546GT	BREATHING CAP, HYD. TANK, 1/4 NPT	1
4	42367GT	NIPPLE, 1/2"NPTX24", STL, YELZINC	1
5	42279GT	CAP, TANK, PLASTIC	1
6	78622GT	FILTER ASSY, SAE8, 10 MIC, PAPR**	1
6	44788GT	FILTER ELEMENT-10MICRON, PAPER*	1
7		Ref. Hydraulic Hoses and Fittings refer to section 213.1	1
8	36998GT	STRAINER ASSY 1"NPT TANK MTD	1
9	36864GT	MANIFOLD, MAIN, Z20/8	1
10	45454GT	CLAMP, 0.75, #12 X 3/8, RUB CUSH*	4
11	18506GT	SCREW 5/16-18 X .75 LG. FLG. LCK.	10
12	42176GT	BRACKET, REAR COVER MOUNT R.H.	1
13	49583GT	Z20/30/34 OPTION, EURO PLUG North America	2
13	25388GT	PLUG, FUSED, 250V, 13AMP, U.K.** UK	2
13	49583GT	Z20/30/34 OPTION, EURO PLUG Europe	2
14	7056GT	CONN, SQZ, 1/2NPT, 0.38-0.50, SM	2
15	6935GT	CONN, SQZ, 1/2NPT, LOCKNUT	2
16	74245GT	LATCH, FLUSH CUP LEFT HAND includes mounting hardware and 1 pair of keys	1
16	29314GT	KEY, LATCH, 1 PAIR (28125)	1
16	33510GT	LOCK PLUG ASSY, (28125)	1
17	6090GT	SCREW, HHC, 1/4-20 X .75	4
18	6638GT	WASHER, FLAT, USS, 1/4"Y	14
19	6091GT	NUT, NYLOCK, 1/4-20	12
20	45385GT	PLUG, NYLON 1.12 BLACK DOMED	2
21	74796GT	COMPONENT TRAY COVER W/DECALS	1
22	42177GT	BRACKET, REAR COVER MOUNT L.H.	1

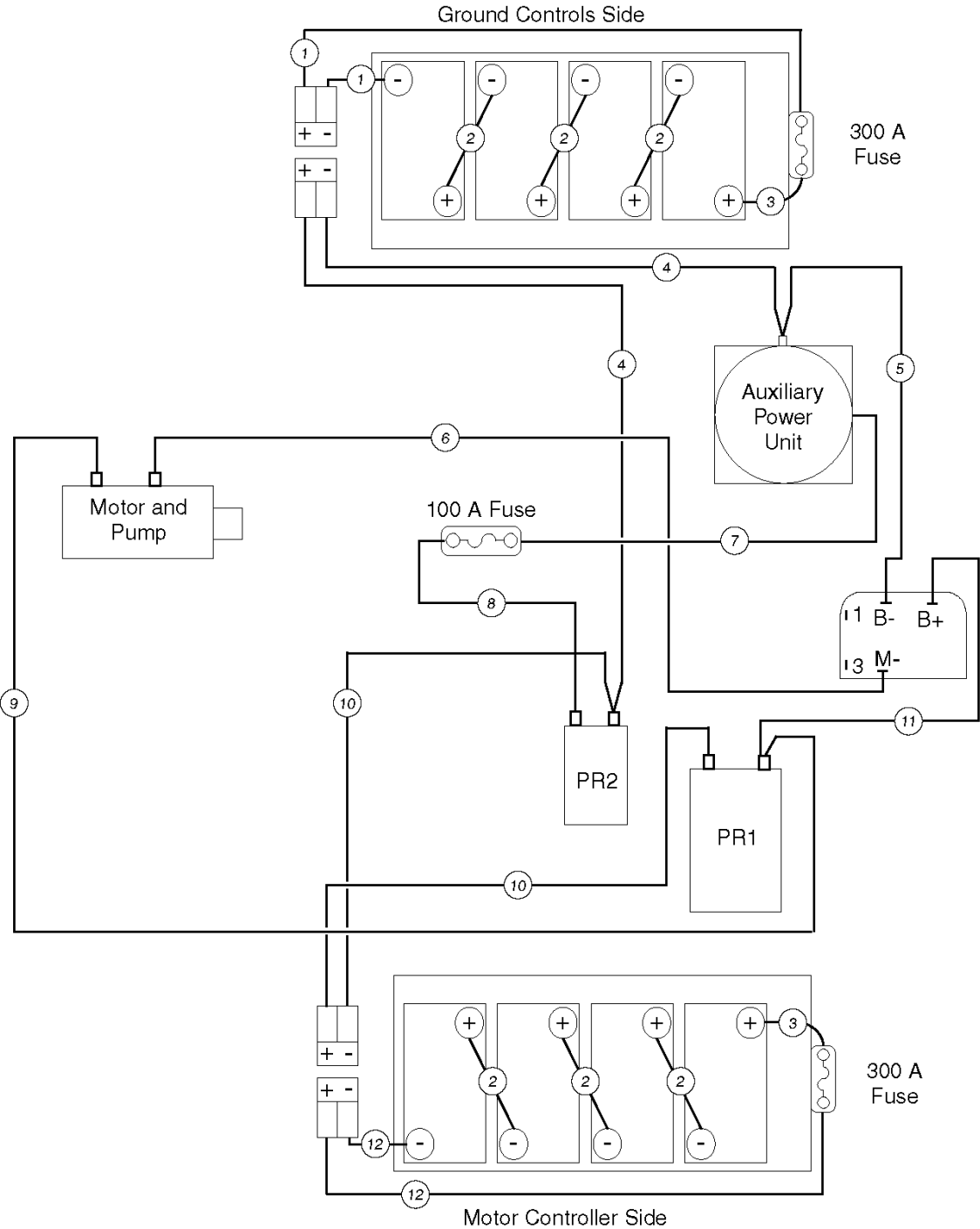
210.1 Hydraulic Installation (to SN Z20N-775)



210.1 Hydraulic Installation (to SN Z20N-775)

Item	Part No.	Description	Qty.
23	18503GT	NUT, LOCKING - LG FLANGE 5/16 - 18	4
23	18503GT	NUT, LOCKING - LG FLANGE 5/16 - 18	4
24		Ref. Hydraulic Power Unit	4
		refer to section 208.1	
25	38016GT	ROLLER, PLASTIC, AWP96**	4
26	35706GT	BOLT, ROLLER, .470" (SHORT)	4
27	5397GT	WASHER, FLAT, USS, 5/16", Y	4
28	4828GT	NUT, NYLOCK, 3/8-16	4
29	42043GT	WELDMENT, COMPONENT TRAY	1
30	6888GT	SCREW, HHC, 1/4-20 X 1	2
31	6356GT	WASHER, LOCK, .25	2
32	42444GT	STOP, COMPONENT TRAY	2
33	36179GT	POWER UNIT, AUX PUMP 24VDC	1
33	37184GT	MOTOR, 24V (36179)	1
33	37185GT	PUMP ASSEMBLY (36179)	1
		Part 37185GT is no longer backwards compatible with 37184GT. Order complete Aux Pump 36179GT	
33	37186GT	VALVE, CHECK (36179)	1
33	37187GT	SEAL KIT, 37185 PUMP	1
33	37191GT	GASKET, PUMP / MOTOR (36179)	1
33	37192GT	COUPLER, PUMP / MOTOR (36179)	1
34	45162GT	STRAINER ASSEMBLY, 1.25" NPT***	1
35		TANK, HYDRAULIC, 8 GALLON	1
		no longer available	
36	39226GT	NIPPLE, PLASTIC .5 NPT X 6"	1

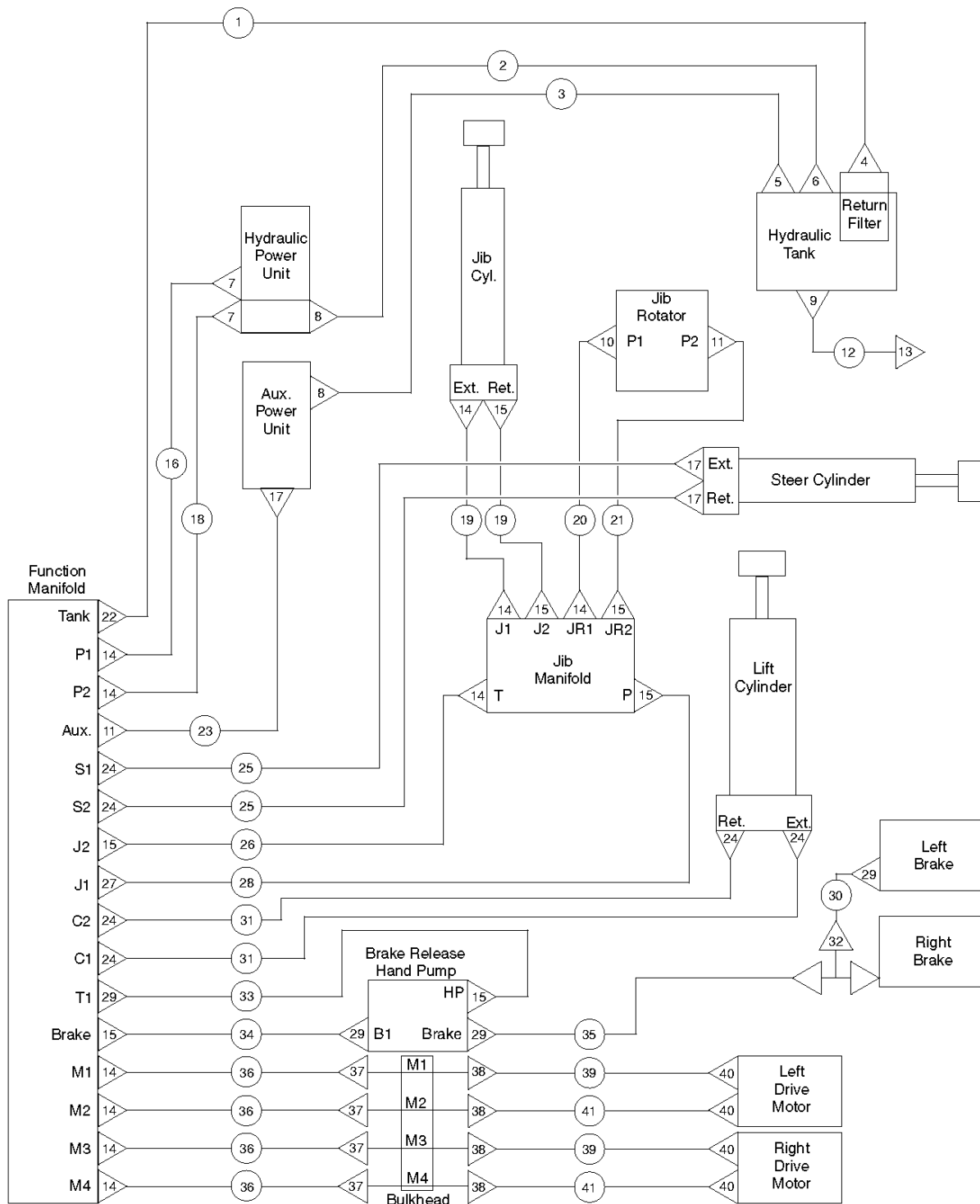
211.1 Power Cables, Drive Chassis



211.1 Power Cables, Drive Chassis

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
1	44827GT	BATTERY CABLE,BATT PACK,LS,Z20	1
1-	128138GT	CONN HOUSING SBX175, BATT	1
1-	128136GT	TERM CONTACT 35MM SBX175, BAT	
2	19520GT	BATTERY CABLE ASSY,9.5"JUMPER	6
3	44822GT	CABLE ASSY,BATT.TO FUSE,LS,Z20	2
4	44825GT	BATTERY CABLE ASSY,CHASSIS,LS	1
4	128138GT	CONN HOUSING SBX175, BATT	1
5	46220GT	CABLE ASSEMBLY,96",BLACK	1
6	46219GT	CABLE ASSEMBLY,67",BLACK	1
7	46224GT	CABLE ASSEMBLY,96",RED	1
8	46223GT	CABLE ASSEMBLY,2.5",RED	1
9	46226GT	CABLE ASSEMBLY,70",RED	1
10	44824GT	BATTERY CABLE ASSY,CHASSIS,RS	1
10	128138GT	CONN HOUSING SBX175, BATT	1
11	46225GT	CABLE ASSEMBLY,9" RED	1
12	44826GT	BATTERY CABLE,BATT PACK,RS,Z20	1
12-	128138GT	CONN HOUSING SBX175, BATT	1
12-	128136GT	TERM CONTACT 35MM SBX175, BAT	

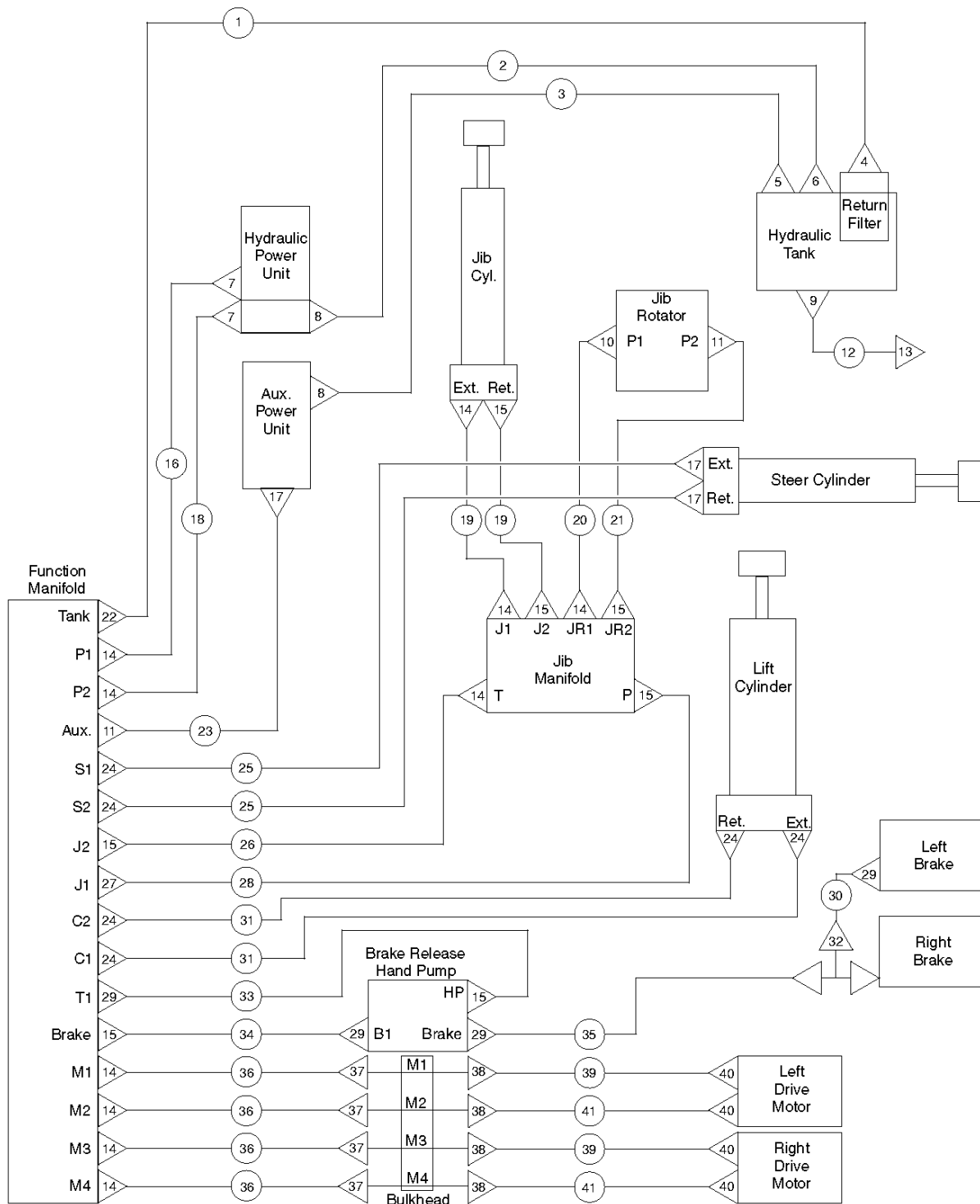
212.1 Hydraulic Hoses and Fittings (from Z20N-776)



212.1 Hydraulic Hoses and Fittings (from Z20N-776)

Item	Part No.	Description	Qty.
1	42977GT	HOSE ASSY,RET FILT TO MAN TK	1
2	42978GT	HOSE ASSY,HYD TANK TO HYD PM	1
3	42975GT	HOSE ASSY,APU TO HYD TANK	1
4	48948GT	CONN,520120-8-12	1
5	42953GT	ELBOW,90DEG,FEM,1/2NPT	1
6	48966GT	CONN,520102-12	1
7	48930GT	CONN,520120-6-8	2
8	48915GT	ELBOW,90D,520220-6	2
9	42874GT	ELBOW,90D,520202-6-8	1
10	48928GT	ELBOW,45D,520320-6-4	1
11	48907GT	ELBOW,45D,520320-4	2
12	42967GT	HOSE ASSY,HYD.TANK DRAIN LI	1
13	48873GT	PLUG,520109-6,ORFS	1
14	48916GT	CONN, 520120-6	10
15	48905GT	CONN,520120-4***	7
16	42973GT	HOSE ASSY,PUMP OUT TO MAN P1	1
17	48911GT	ELBOW,90D,520220-4-6***	3
18	42974GT	HOSE ASSY,PUMP RR TO MAN P2	1
19	74984GT	HOSE ASSY,JIB MAN TO JIB CYL	2
20	74180GT	HOSE ASSY,JIB MAN TO PLAT ROT	1
21	74179GT	HOSE ASSY,JIB MAN TO PLAT ROT	1
22	48933GT	CONN,520120-8***	1
23		HOSE ASSY,APU OUT TO FUNC MA (no longer available)	1
24	48912GT	CONN,520120-4-6***	6
25	42982GT	HOSE ASSY,FUNC MAN S1 TO CYL	2
26	74181GT	HOSE ASSY,FUNC MAN TO JIB MAN	1
27	48900GT	CONN,520120-4-6,.035,ORI	1
28	74182GT	HOSE ASSY,FUNC MAN TO JIB MAN	1

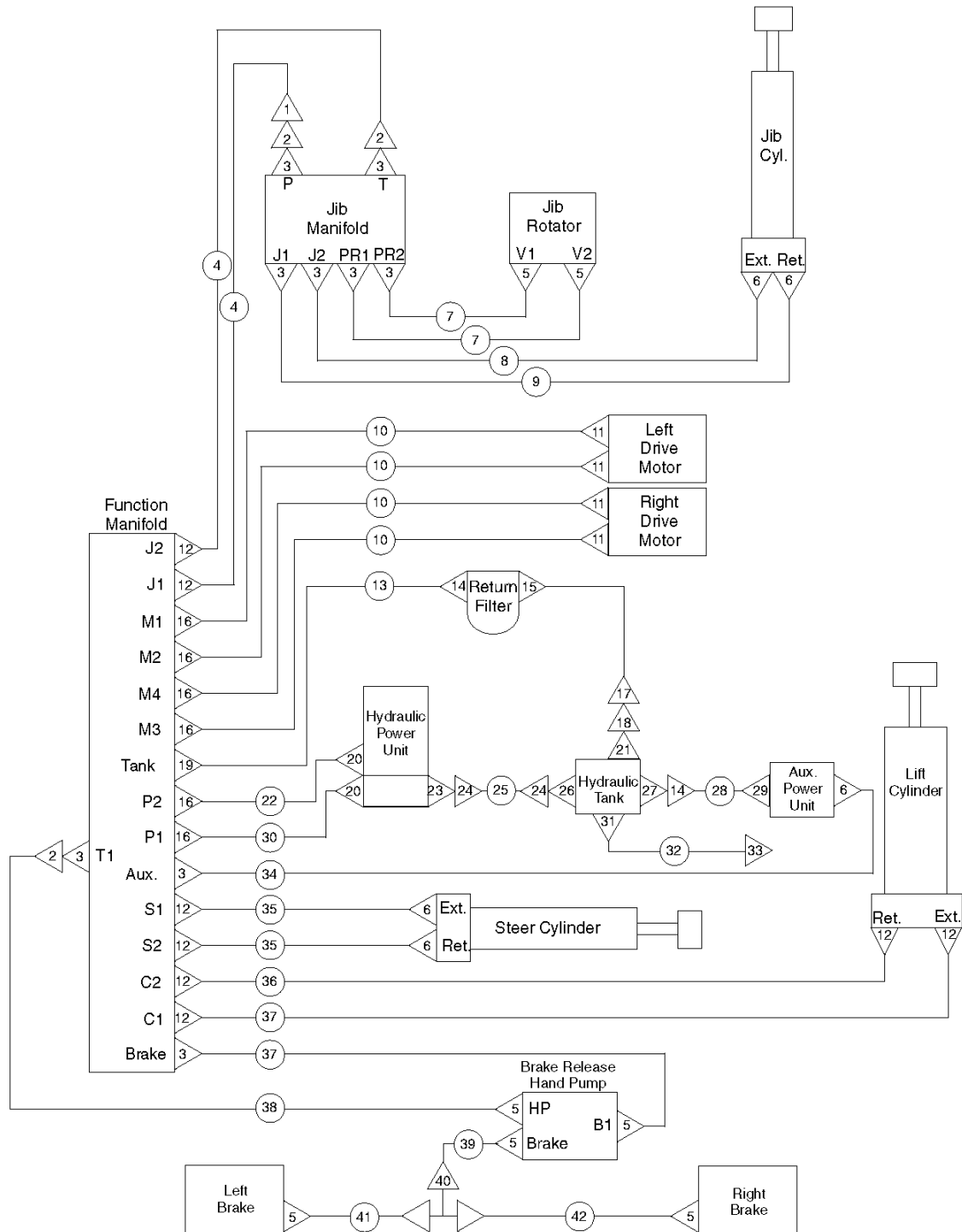
212.1 Hydraulic Hoses and Fittings (from Z20N-776)



212.1 Hydraulic Hoses and Fittings (from Z20N-776)

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
29	48904GT	ELBOW, 90D, 520220-4	3
30	42980GT	HOSE ASSY,RT BRAKE TO LFT BK	1
31	42983GT	HOSE ASSY,FUNC MAN C1/C2-CYL	2
32	48906GT	TEE,RUN,520428-4	1
33	56369GT	HOSE ASSY,HAND PUMP TO T1	1
34	42964GT	HOSE ASSY,HAND PMP B1 TO MAN	1
35	42965GT	HOSE ASSY,RT BRK TO HAND P	2
36	42986GT	HOSE ASSY,BLKHD M3 TO FUNC M	3
37	48925GT	ELBOW,90D,BLKHD,ORFS-6 NO NUT	4
38	56352GT	NUT,BULKHEAD,520118-6	4
39	42985GT	HOSE ASSY,BLKHD M3 TO REAR M	2
40	48946GT	CONN,520120-8-10	4
41	42981GT	HOSE ASSY,BLKHD M4 TO FRNT M	2

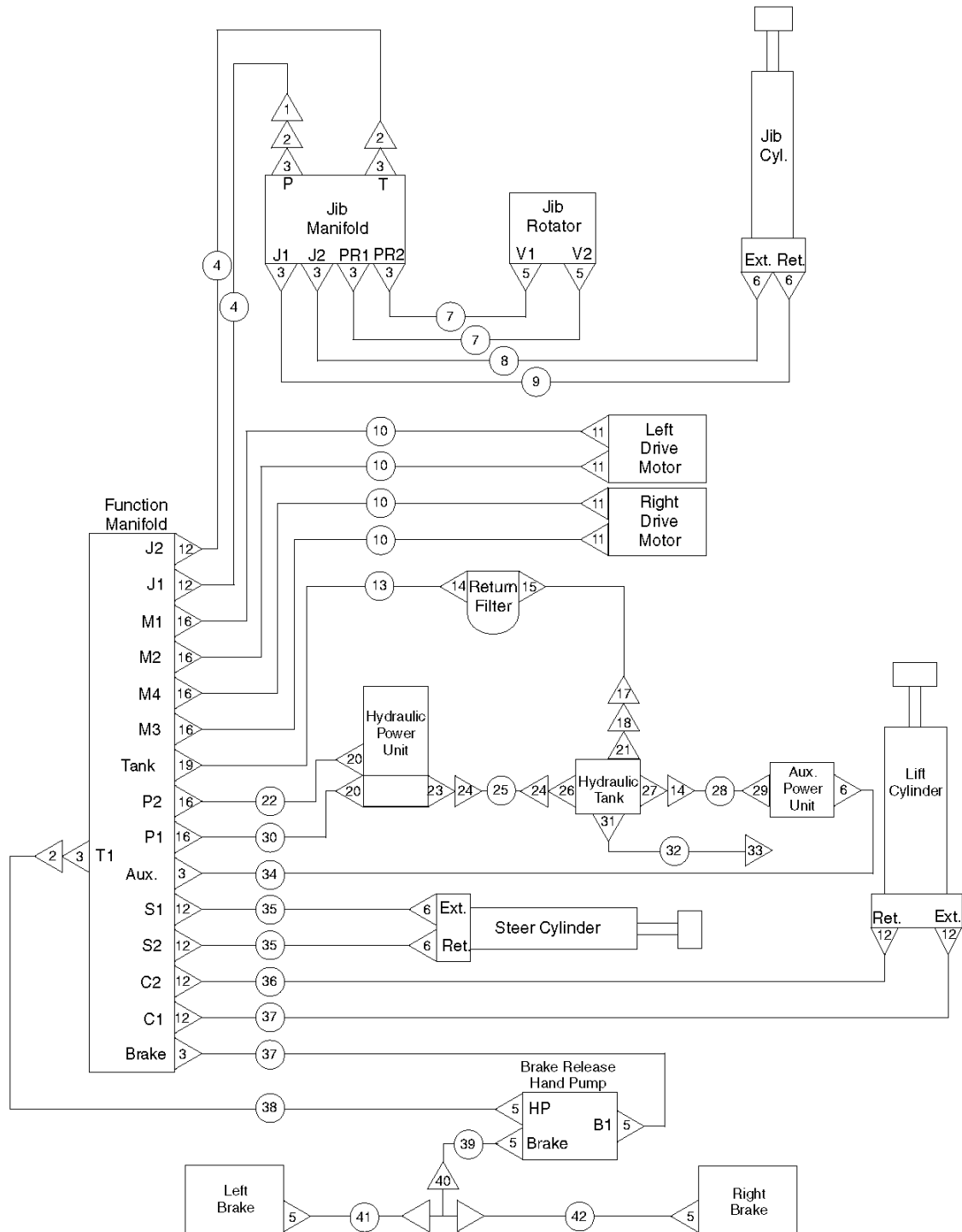
213.1 Hydraulic Hoses and Fittings (to Z20N-775)



213.1 Hydraulic Hoses and Fittings (to Z20N-775)

Item	Part No.	Description	Qty.
1	37868GT	FITTING-4 W/.030 ORIFICE	1
2	45415GT	ELBOW,070221-4-4	3
3	13755GT	CONNECTOR,070120-4-4	9
4	46404GT	HOSE ASSSEMBLY, 229"	2
5	13921GT	ELBOW, 07022-4-4	7
6	12340GT	ELBOW,070220-4-6	5
7	46403GT	HOSE ASSSEMBLY, 72"	2
8	46405GT	HOSE ASSSEMBLY, 32.5	1
9	46406GT	HOSE ASSSEMBLY, 33"	1
10	46394GT	HOSE ASSSEMBLY, 112"	4
11	25877GT	CONNECTOR,070120-6-10	4
12	13756GT	CONNECTOR,070120-4-6	8
13	46388GT	HOSE ASSSEMBLY, 7.8"	1
14	27577GT	CONNECTOR,070102-8-8	2
15	42367GT	NIPPLE,1/2"NPTX24",STL,YELZINC	1
16	45412GT	CONNECTOR,070120-6-6	6
17	42368GT	ELBOW,STREET, 1/2"NPT,STLYELZN	1
18	39223GT	BULKHEAD FITTING,PLASTIC X 8**	1
19	45349GT	ELBOW,070320-8-8	1
20	18687GT	CONNECTOR,070120-6-8	2
21	39226GT	NIPPLE,PLASTIC .5 NPT X 6"	1
22	46386GT	HOSE ASSSEMBLY, 12"	1
23	42433GT	ELBOW #12 O-RING TO #12 BARB	1
24	42586GT	T-BOLT HOSE CLAMP	2
25	46389GT	HOSE ASSEMBLY, 5"	1
26	45162GT	STRAINER ASSEMBLY,1.25" NPT***	1
27	36998GT	STRAINER ASSY 1"NPT TANK MTD	1
28	46387GT	HOSE ASSSEMBLY, 2.5"	1

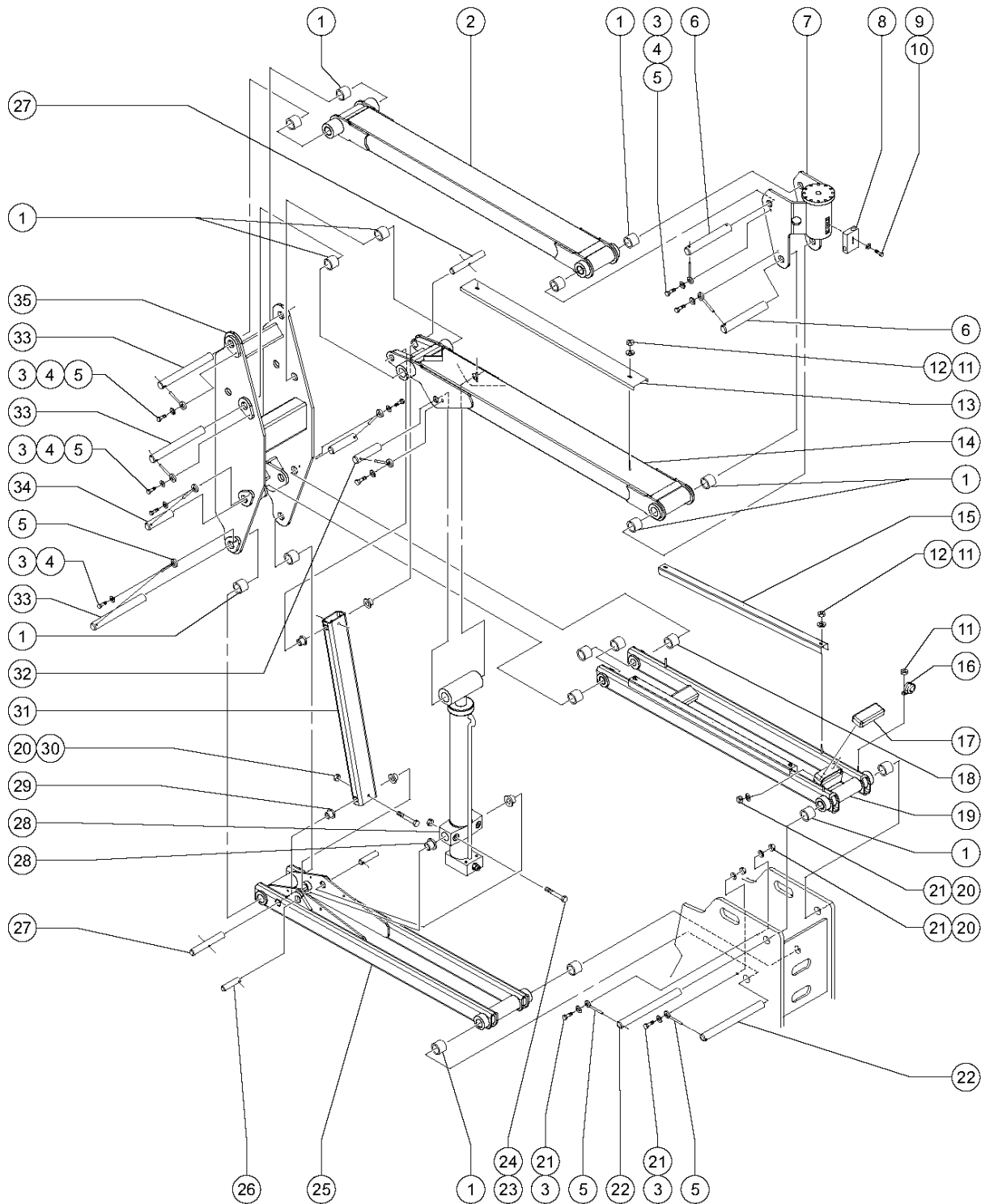
213.1 Hydraulic Hoses and Fittings (to Z20N-775)



213.1 Hydraulic Hoses and Fittings (to Z20N-775)

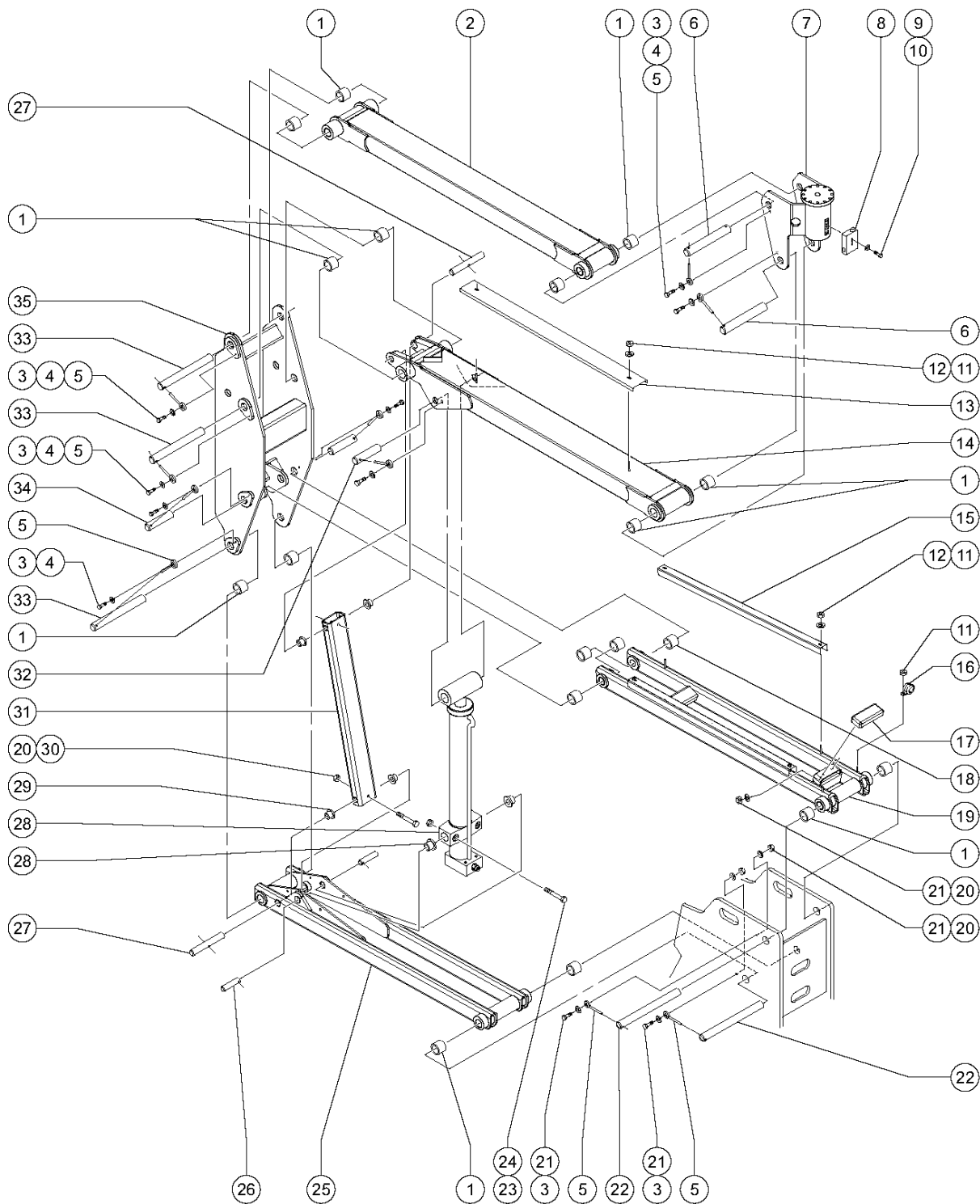
<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
29	20923GT	CONNECTOR,070120-8-6	1
30	46385GT	HOSE ASSSEMBLY, 12.5"	1
31	13114GT	ELBOW,070202-4-6	1
32	46401GT	HOSE ASSSEMBLY, 24.5"	1
33	13971GT	PLUG,070109-4	1
34	46384GT	HOSE ASSSEMBLY, 54"	1
35	46395GT	HOSE ASSSEMBLY, 87"	2
36	46402GT	HOSE ASSSEMBLY, 120"	2
37	46398GT	HOSE ASSSEMBLY, 24.5"	1
38	46400GT	HOSE ASSSEMBLY, 25.3"	1
39	46399GT	HOSE ASSSEMBLY, 37"	1
40	8342GT	TEE,UNION,070401-4	1
41	46392GT	HOSE ASSSEMBLY, 29"	1
42	46393GT	HOSE ASSSEMBLY, 17"	1

301.1 Boom, Z-20/8



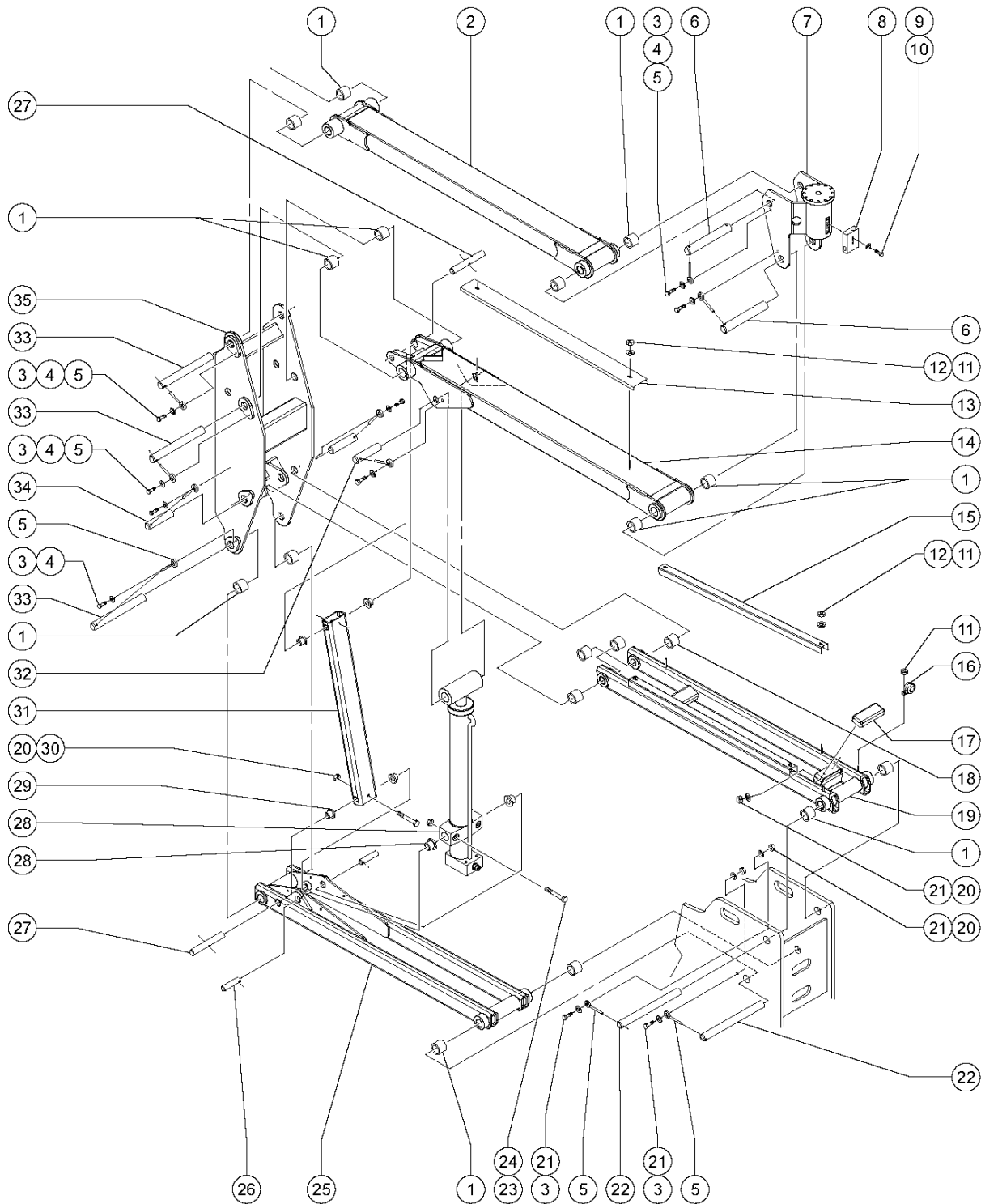
Item	Part No.	Description	Qty.
1	45071GT	BEARING,1.5IDX1.75ODX1.5L	12
2	74797GT	UPPER LVL ARM ASSY. Z20W	1
		includes 4 each index number 1	
3	8516GT	SCREW, HCC, 3/8-16 X 1.50	8
4	6021GT	WASHER,LOCK,.375	5
5	825019GT	ROD END, .375X3.69, ZAG	8
6	42016GT	PIN,1.50DIA X11.00LG,1HOLE	2
7		ROTATOR,HELICAL,PLATFORM Z20 (36751)	1
		component no longer available	
7	44958GT	SEAL KIT-PLAT. ROTATOR-36751	1
		for 36751	
7	44959GT	BEARING KIT,PLAT.ROTATOR,36751	1
		for 36751	
7	13852GT	VALVE ASSY,BLEED***	1
		for 36751	
8	74273GT	MANIFOLD,ROTATOR,180 DEG.	
		from SN 144	
8	56929GT	MANIFOLD,ROTATOR,180 DEG.***	
		to SN 143	
9	6145GT	SCREW,HHC,1/4-20 X 1.5	3
10	6356GT	WASHER,LOCK,.25	3
11	6091GT	NUT, NYLOCK, 1/4-20	8
12	6638GT	WASHER, FLAT, USS, 1/4"Y	6
13	42024GT	HOSE COVER,UPPER ARM	1
14	44944GT	UPPER ARM ASSY. W/BEARING,Z20	1
		includes 4 each index number 1	
15	36950GT	HOSE COVER,LOWER LEVELING ARM	2
16	45454GT	CLAMP,0.75,#12 X 3/8,RUB CUSH*	2
17	56849GT	PAD,REST,1"THICK,W/STUDS*	1
18	18396GT	BEARING,1.5IDX1.75ODX1.0L	4
19	44945GT	LOWER LEVEL.ARM W/BEARING,Z20	1
20	4828GT	NUT,NYLOCK,3/8-16	4
21	5397GT	WASHER,FLAT,USS,5/16",Y	4
22	36389GT	PIN,1.50DIA X16.13LG,1HOLE	2
23	6326GT	SCREW,HHC,3/8-16 X 3	2
24	7713GT	NUT, LP NYLOCK, 3/8-16	2

301.1 Boom, Z-20/8



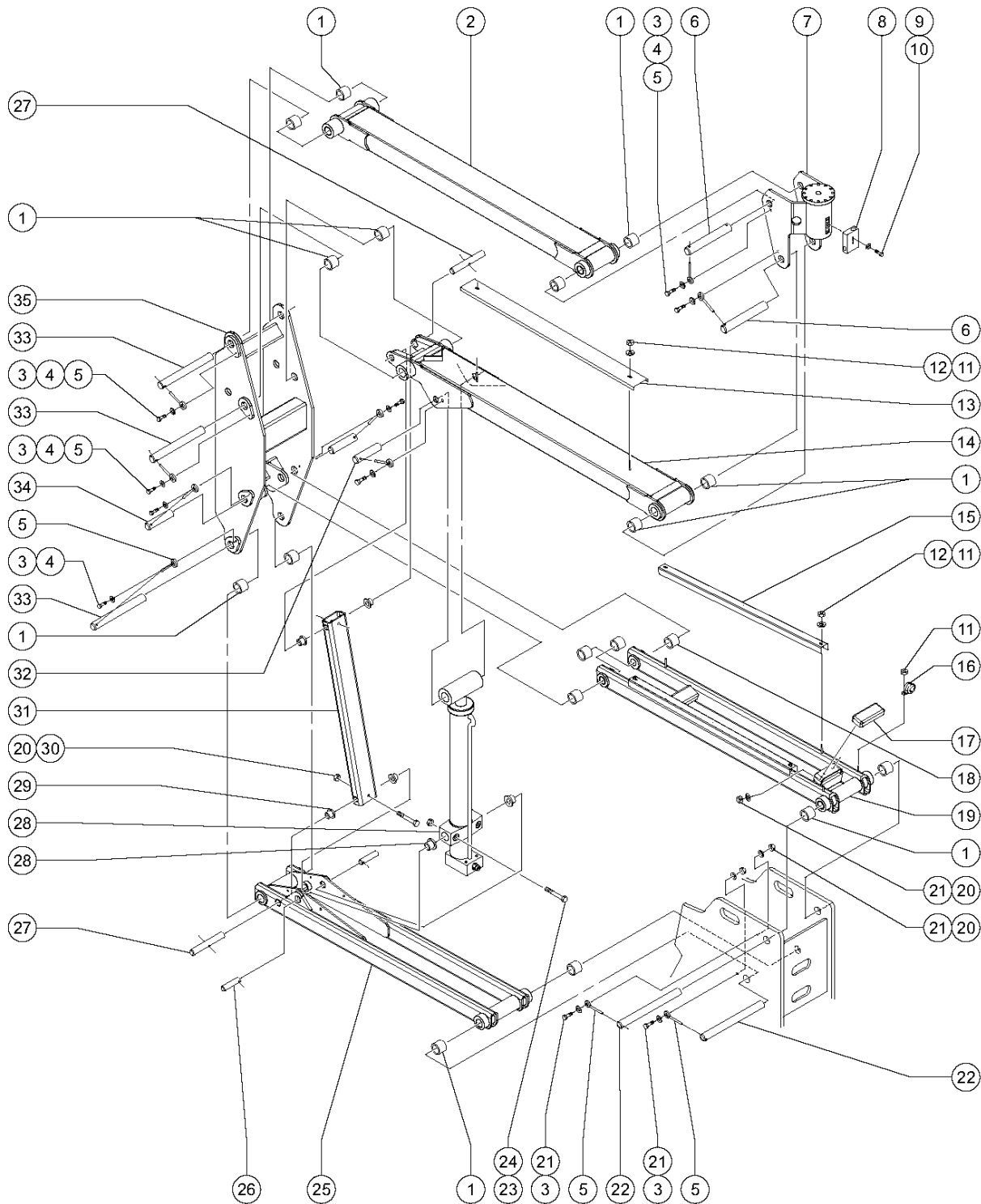
<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
25	44946GT	LOWER ARM ASSY. W/BEARING,Z20 includes 4 each index number 1	1
26	36205GT	PIN,1.25DIAX3.00LG,THREADED	2
27	36202GT	PIN,1.00DIAX7.25LG,1HOLE	2
28	94211GT	CYLINDER,ELEVATE*** to SN 1325	1
28	56757GT	SEAL KIT 42412 ELEVATE** for cylinder 42412	1
28	33428GT	VALVE,COUNTERBALANCE for cylinder 42412	1
28	94211GT	CYLINDER,ELEVATE*** from SN 1326	1
28	56757GT	SEAL KIT 42412 ELEVATE** for cylinder 42412	1
28	33428GT	VALVE,COUNTERBALANCE	1
28	58996GT	SEAL KIT - Z25 (42154)	1
28	31106GT	VALVE,CNTERBAL,CBBB-LHN@3000**	1
29	56736GT	BEARING,FLNG.STL. 1.25 IDX1.5	6
30	36874GT	SCREW,BHHS,3/8-16 X 2.5	2
31	74233GT	CONNECTING LINK Z20,Z25	1
32	42380GT	PIN,1.25DIAX8.75LG,1HOLE	1
33	36194GT	PIN,1.50DIAX15.13LG,1HOLE	3
34	42018GT	PIN,1.50DIAX5.50LG,THREADED	2
35	74526GT	MACH,MIDPIVOT	1

301.2 Boom, Z-20/8N



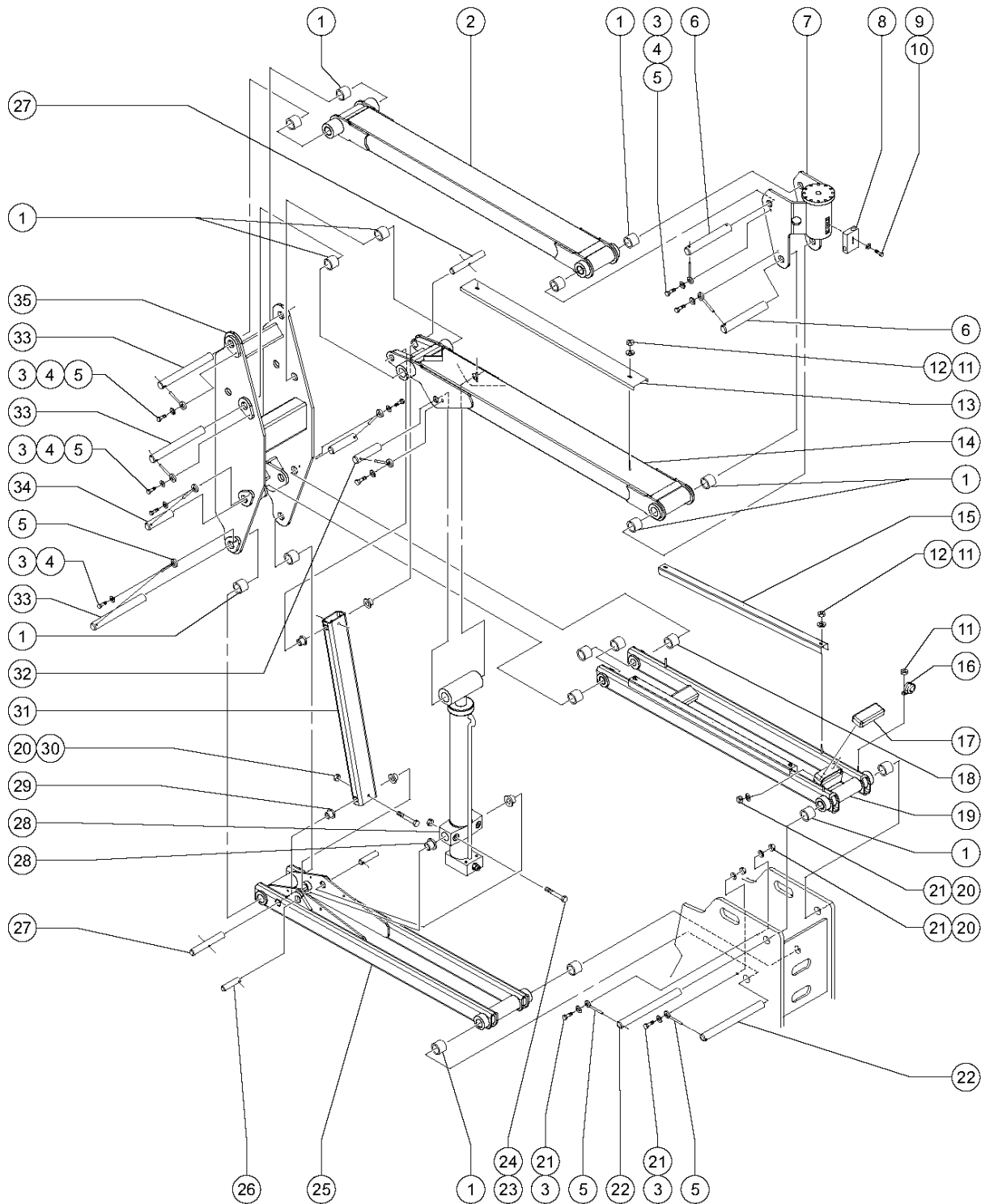
Item	Part No.	Description	Qty.
1	45071GT	BEARING,1.5IDX1.75ODX1.5L	12
2	44943GT	UPR LEVEL.ARM W/BEARING,Z20	1
		includes 4 each index number 1	
3	8516GT	SCREW, HCC, 3/8-16 X 1.50	8
4	6021GT	WASHER,LOCK,.375	5
5	825019GT	ROD END, .375X3.69, ZAG	8
6	42016GT	PIN,1.50DIAX11.00LG,1HOLE	2
7		ROTATOR,HELICAL,PLATFORM Z20 (36751)	1
		component no longer available	
7	44958GT	SEAL KIT-PLAT. ROTATOR-36751	1
		for 36751	
7	44959GT	BEARING KIT,PLAT.ROTATOR,36751	1
		for 36751	
7	13852GT	VALVE ASSY,BLEED***	1
		for 36751	
8	74273GT	MANIFOLD,ROTATOR,180 DEG.	
		from SN 1198	
8	56929GT	MANIFOLD,ROTATOR,180 DEG.***	
		to SN 1197	
9	6145GT	SCREW,HHC,1/4-20 X 1.5	3
10	6356GT	WASHER,LOCK,.25	3
11	6091GT	NUT, NYLOCK, 1/4-20	8
12	6638GT	WASHER, FLAT, USS, 1/4"Y	6
13	42024GT	HOSE COVER,UPPER ARM	1
14	44944GT	UPPER ARM ASSY. W/BEARING,Z20	1
		includes 4 each index number 1	
15	36950GT	HOSE COVER,LOWER LEVELING ARM	2
16	45454GT	CLAMP,0.75,#12 X 3/8,RUB CUSH*	2
17	56849GT	PAD,REST,1"THICK,W/STUDS*	1
18	18396GT	BEARING,1.5IDX1.75ODX1.0L	4
19	44945GT	LOWER LEVEL.ARM W/BEARING,Z20	1
20	4828GT	NUT,NYLOCK,3/8-16	4
21	5397GT	WASHER,FLAT,USS,5/16",Y	4
22	36389GT	PIN,1.50DIAX16.13LG,1HOLE	2
23	6326GT	SCREW,HHC,3/8-16 X 3	2
24	7713GT	NUT, LP NYLOCK, 3/8-16	2

301.2 Boom, Z-20/8N



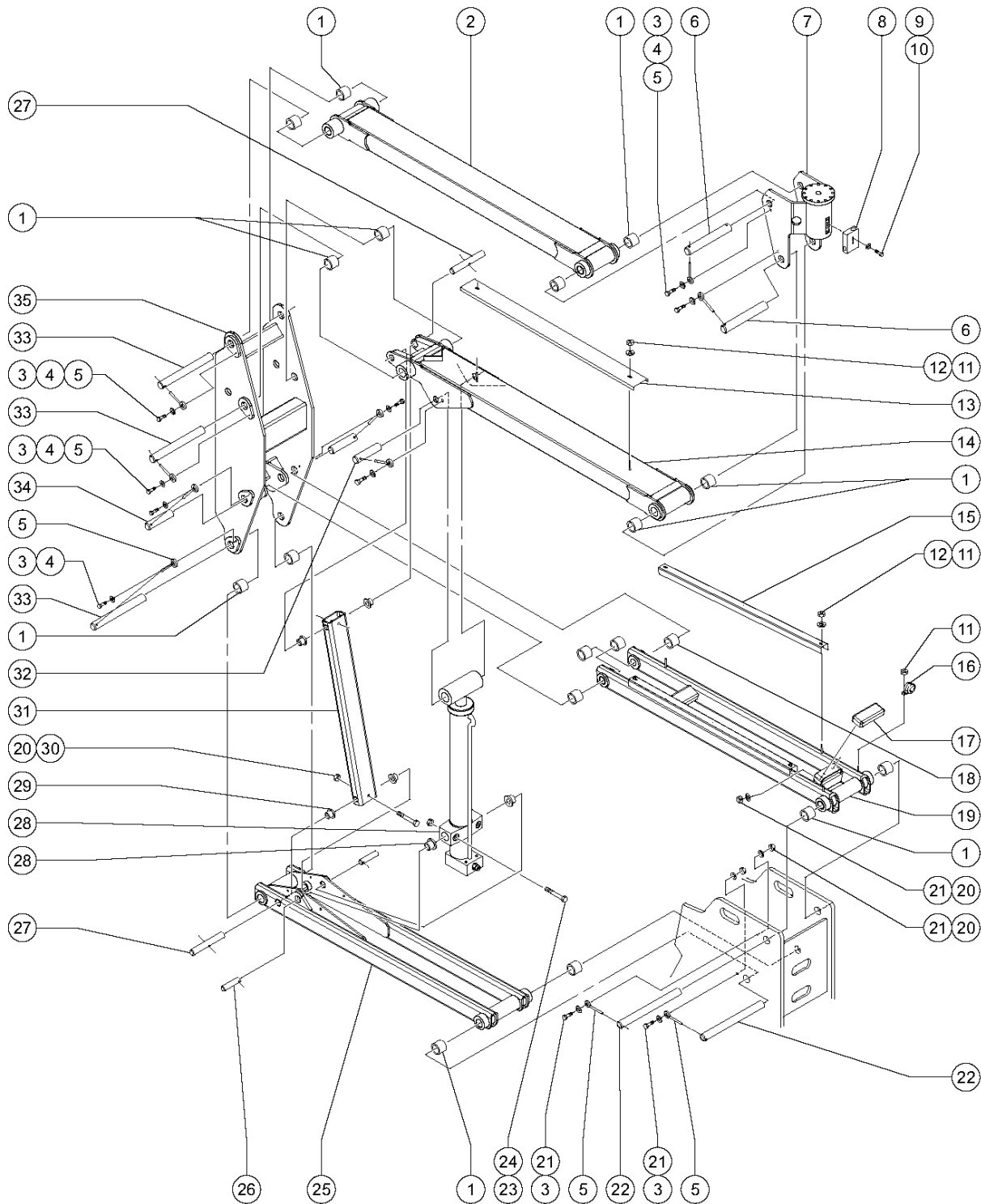
<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
25	44946GT	LOWER ARM ASSY. W/BEARING,Z20 includes 4 each index number 1	1
26	36205GT	PIN,1.25DIAX3.00LG,THREADED	2
27	36202GT	PIN,1.00DIAX7.25LG,1HOLE	2
28	94211GT	CYLINDER,ELEVATE*** to SN 1325	1
28	56757GT	SEAL KIT 42412 ELEVATE** for cylinder 42415	1
28	33428GT	VALVE,COUNTERBALANCE for cylinder 42415	1
28	94211GT	CYLINDER,ELEVATE*** from SN 1326	1
28	56757GT	SEAL KIT 42412 ELEVATE** for cylinder 42415	1
28	33428GT	VALVE,COUNTERBALANCE	1
29	56736GT	BEARING,FLNG.STL. 1.25 IDX1.5	6
30	36874GT	SCREW,BHHS,3/8-16 X 2.5	2
31	74233GT	CONNECTING LINK Z20,Z25	1
32	42380GT	PIN,1.25DIAX8.75LG,1HOLE	1
33	36194GT	PIN,1.50DIAX15.13LG,1HOLE	3
34	42018GT	PIN,1.50DIAX5.50LG,THREADED	2
35	74526GT	MACH,MIDPIVOT	1

301.3 Boom, Z-25/8



Item	Part No.	Description	Qty.
1	45071GT	BEARING,1.5IDX1.75ODX1.5L	12
2	74798GT	UPPER LVL ARM Z25 includes 4 each index number 1	1
3	8516GT	SCREW, HCC, 3/8-16 X 1.50	8
4	6021GT	WASHER,LOCK,.375	5
5	825019GT	ROD END, .375X3.69, ZAG	8
6	42016GT	PIN,1.50DIA X11.00LG,1HOLE	2
7		ROTATOR,HELICAL,PLATFORM Z20 (36751)	1
		component no longer available	
7	44958GT	SEAL KIT-PLAT. ROTATOR-36751	1
		for 36751	
7	44959GT	BEARING KIT,PLAT.ROTATOR,36751	1
		for 36751	
7	13852GT	VALVE ASSY,BLEED***	1
		for 36751	
8	74273GT	MANIFOLD,ROTATOR,180 DEG.	1
		from SN 253	
8	56929GT	MANIFOLD,ROTATOR,180 DEG.***	1
		to SN 252	
9	6145GT	SCREW,HHC,1/4-20 X 1.5	3
10	6356GT	WASHER,LOCK,.25	3
11	6091GT	NUT, NYLOCK, 1/4-20	8
12	6638GT	WASHER, FLAT, USS, 1/4"Y	6
13	42024GT	HOSE COVER,UPPER ARM	2
14	94000GT	UPPER ARM ASSY. W/BEARING Z25	1
		includes 4 each index number 1	
15	36950GT	HOSE COVER,LOWER LEVELING ARM	2
16	45454GT	CLAMP,0.75,#12 X 3/8,RUB CUSH*	2
17	56849GT	PAD,REST,1"THICK,W/STUDS*	1
18	18396GT	BEARING,1.5IDX1.75ODX1.0L	4
19	42480GT	WELD,LEVELING ARM,LOWER	1
20	4828GT	NUT,NYLOCK,3/8-16	4
21	5397GT	WASHER,FLAT,USS,5/16",Y	4
22	36389GT	PIN,1.50DIA X16.13LG,1HOLE	2
23	6326GT	SCREW,HHC,3/8-16 X 3	2
24	7713GT	NUT, LP NYLOCK, 3/8-16	2

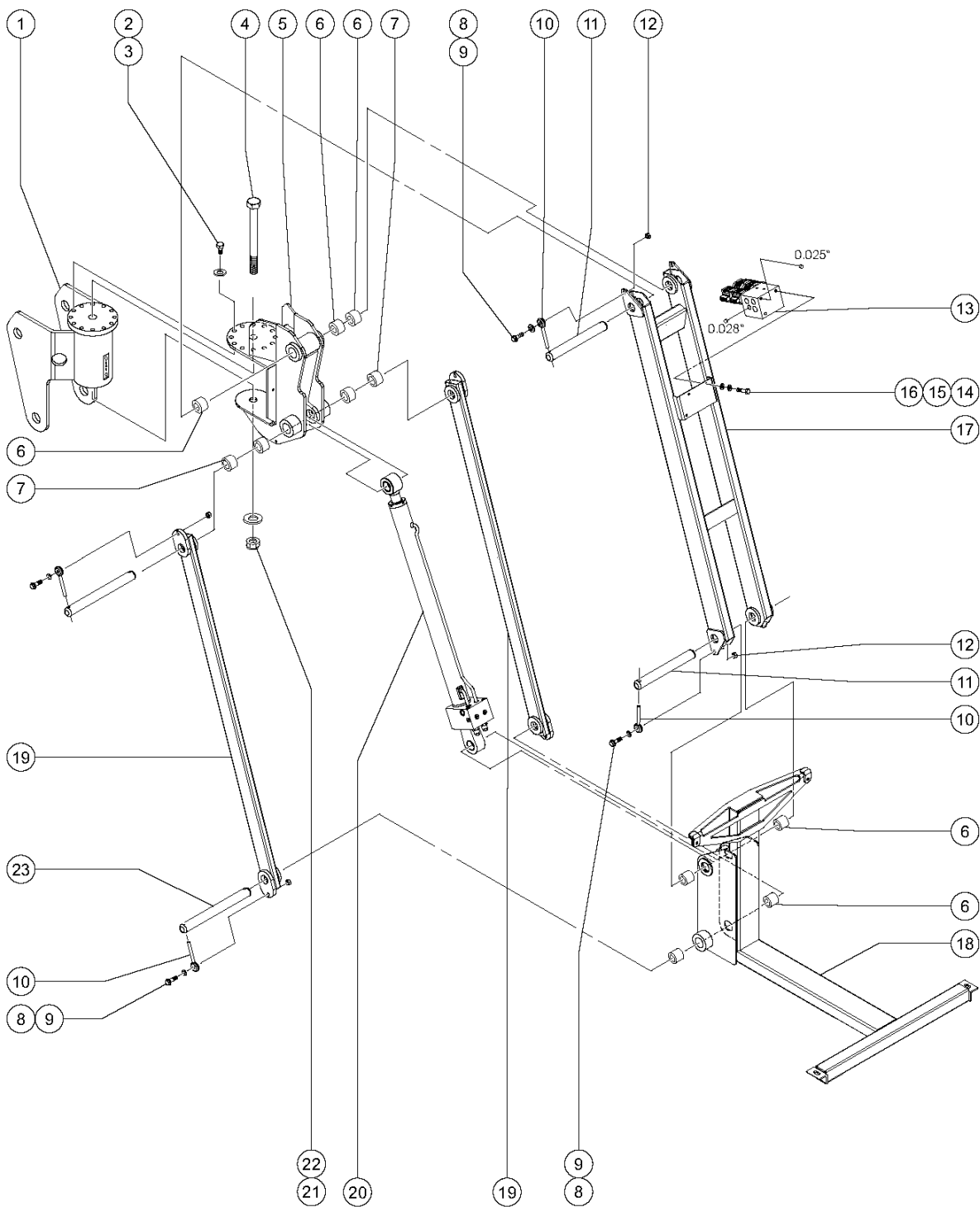
301.3 Boom, Z-25/8



301.3 Boom, Z-25/8

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
25	42482GT	LOWER ARM,MACHINED	1
26	36205GT	PIN,1.25DIAX3.00LG,THREADED	2
27	36202GT	PIN,1.00DIAX7.25LG,1HOLE	2
28	42154GT	CYLINDER,ELEVATE,Z25	1
28	58996GT	SEAL KIT - Z25 (42154)	1
28	31106GT	VALVE,CNTERBAL,CBBB-LHN@3000**	1
29	56736GT	BEARING,FLNG.STL. 1.25 IDX1.5	6
30	36874GT	SCREW,BHHS,3/8-16 X 2.5	2
31	74233GT	CONNECTING LINK Z20,Z25	1
32	42380GT	PIN,1.25DIAX8.75LG,1HOLE	1
33	36194GT	PIN,1.50DIAX15.13LG,1HOLE	3
34	42018GT	PIN,1.50DIAX5.50LG,THREADED	2
35	74526GT	MACH,MIDPIVOT	1

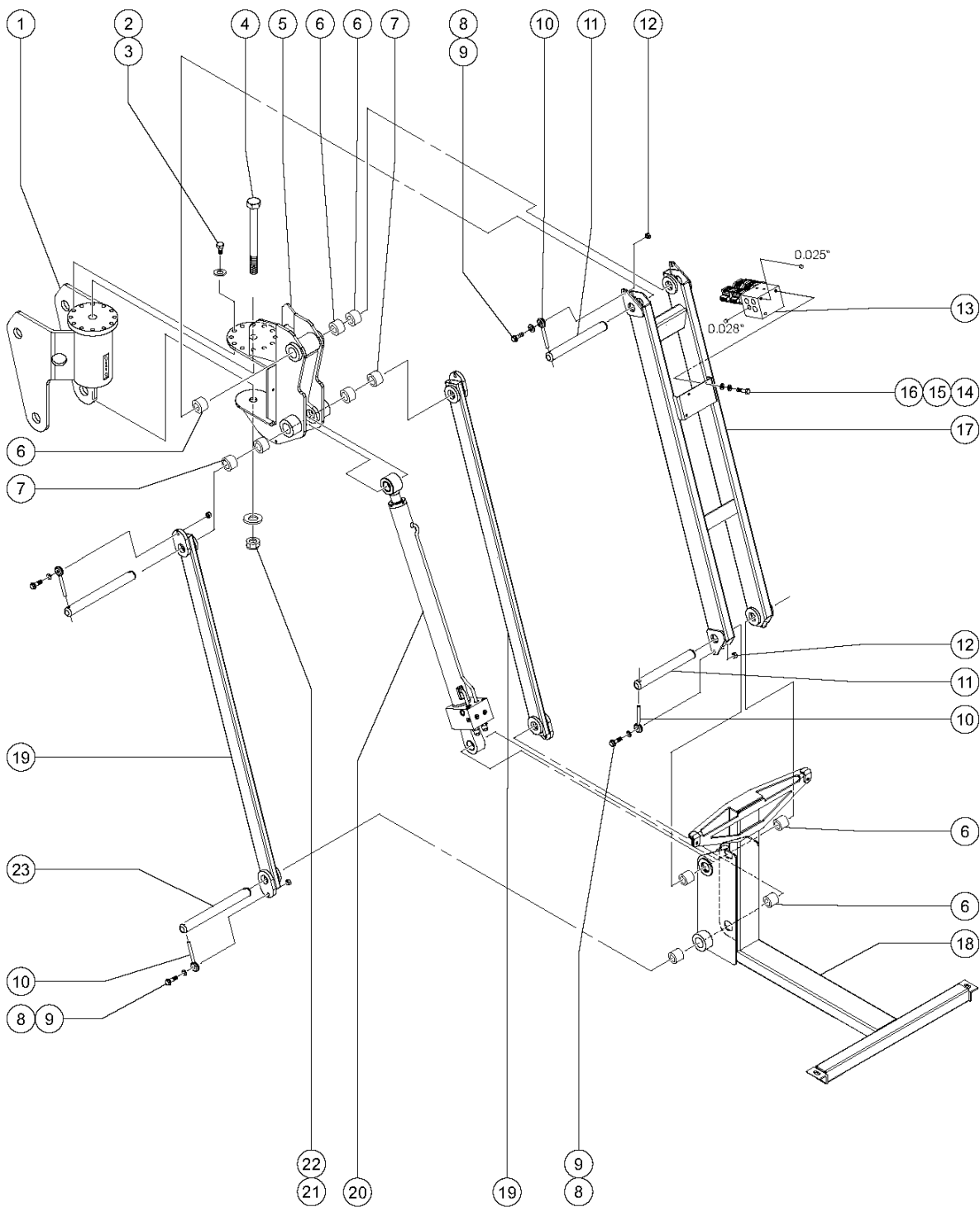
302.1 Jib Boom and Jib Rotator Installation, Z-20/8



302.1 Jib Boom and Jib Rotator Installation, Z-20/8

Item	Part No.	Description	Qty.
1		ROTATOR,HELICAL,PLATFORM Z20 (36751) component no longer available	1
1	44958GT	SEAL KIT-PLAT. ROTATOR-36751 for 36751	1
1	44959GT	BEARING KIT,PLAT.ROTATOR,36751 for 36751	1
1	13852GT	VALVE ASSY,BLEED*** for 36751	1
2	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	12
3	6033GT	WASHER,LOCK,0.5"	12
4	824075GT	SCREW, HHC, 1-8 X 12.75, 5, ZAG	
5		JIB PIVOT ASSY.W/BEARINGS,Z20 ; No longer available	1
6	13009GT	BEARING,1.25IDX1.50ODX1.50L	7
7	34245GT	BEARING,1.25IDX1.50X1.25L	4
8	8516GT	SCREW, HCC, 3/8-16 X 1.50	6
9	5397GT	WASHER,FLAT,USS,5/16",Y	6
10	825019GT	ROD END, .375X3.69, ZAG	6
11	36199GT	PIN,1.25DIA.X10.38LG,1HOLE	2
12	4828GT	NUT,NYLOCK,3/8-16	2
13	74129GT	MANIFOLD,JIB Z20N,Z20W,Z25 from SN 114	
13	52599GT	VALVE,SOLENOID,3POS/4WAY*	1
13	74990GT	ORIFICE, 0.025"(74129)*	1
13	74991GT	ORIFICE, 0.028" (74129)	1
13	74014GT	MANIFOLD,JIB ROTATE*** to SN 113	
13	52599GT	VALVE,SOLENOID,3POS/4WAY*	1
13	74990GT	ORIFICE, 0.025"(74129)*	1
13	74991GT	ORIFICE, 0.028" (74129)	1
14	6090GT	SCREW, HHC, 1/4-20 X .75	2
15	6638GT	WASHER, FLAT, USS, 1/4"Y	2
16	6356GT	WASHER,LOCK,.25	2
17	36279-SGT	JIB BOOM MACHINED to SN 1160	1
18	74993GT	PLAT SUPPORT ASSY, Z20W/Z25	1

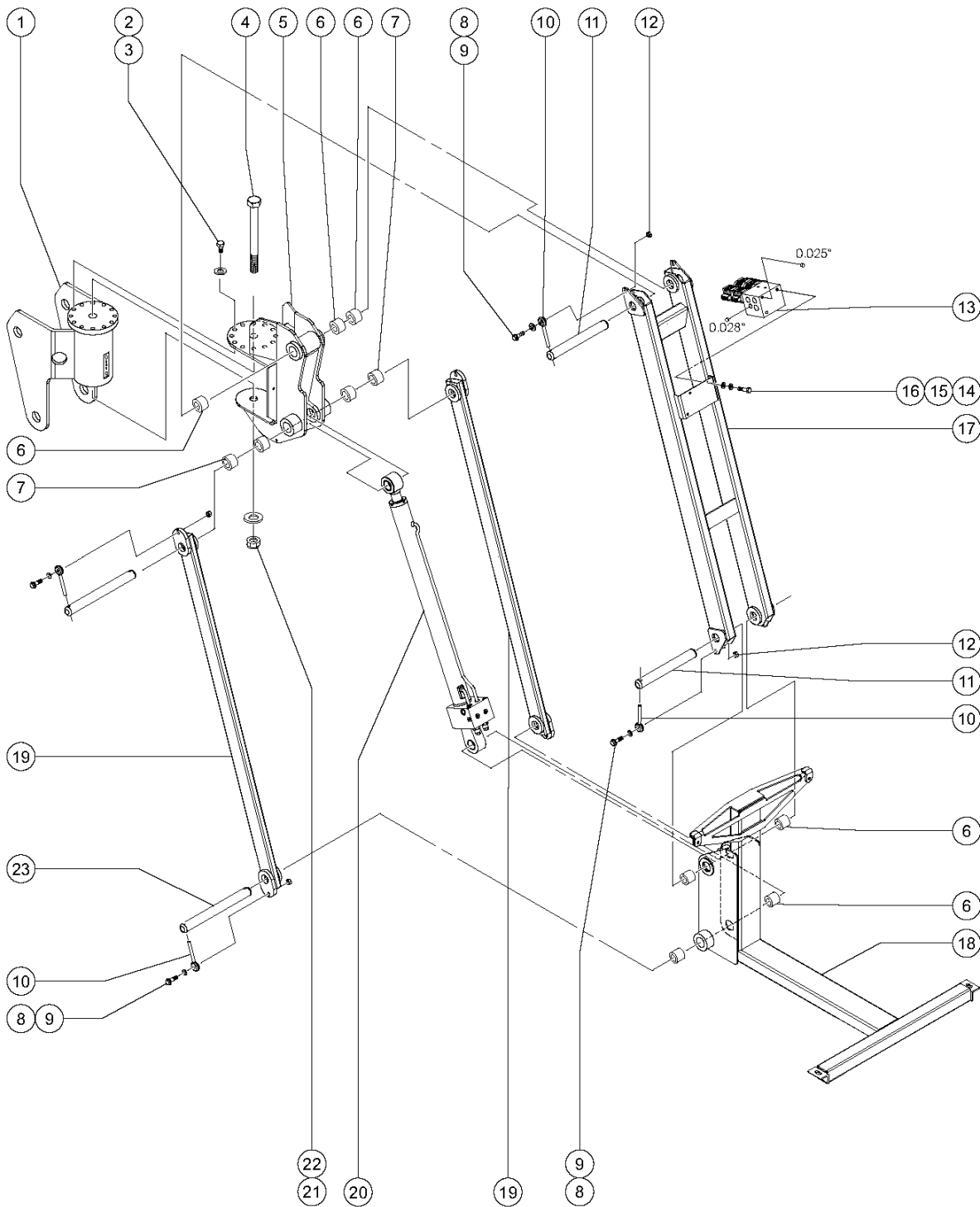
302.1 Jib Boom and Jib Rotator Installation, Z-20/8



302.1 Jib Boom and Jib Rotator Installation, Z-20/8

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
19	36054-SGT	COMPRESSION MEMBER (BORED)***	2
20A	94218GT	CYLINDER,JIB	1
20A-	25683GT	BEARING,POLYGON,20DU12	1
20A-	31106GT	VALVE,CNTERBAL,CBBB-LHN@3000**	1
20A-	94261GT	SEAL KIT,94218 for cylinder 94218 (Identify part number on cylinder before ordering)	
20B	147147GT	SEAL KIT,147142 for cylinder 147142 (Identify part number on cylinder before ordering)	
20C	48405GT	SEAL KIT,CYLINDER*** for 42507, 56152 and 56362 cylinders	1
21	33265GT	NUT,HEX,1-8	1
22	29605GT	WASHER,LOCK,1"	1
23	42797GT	PIN,1.25DIAX12.50LG,2HOLE	2

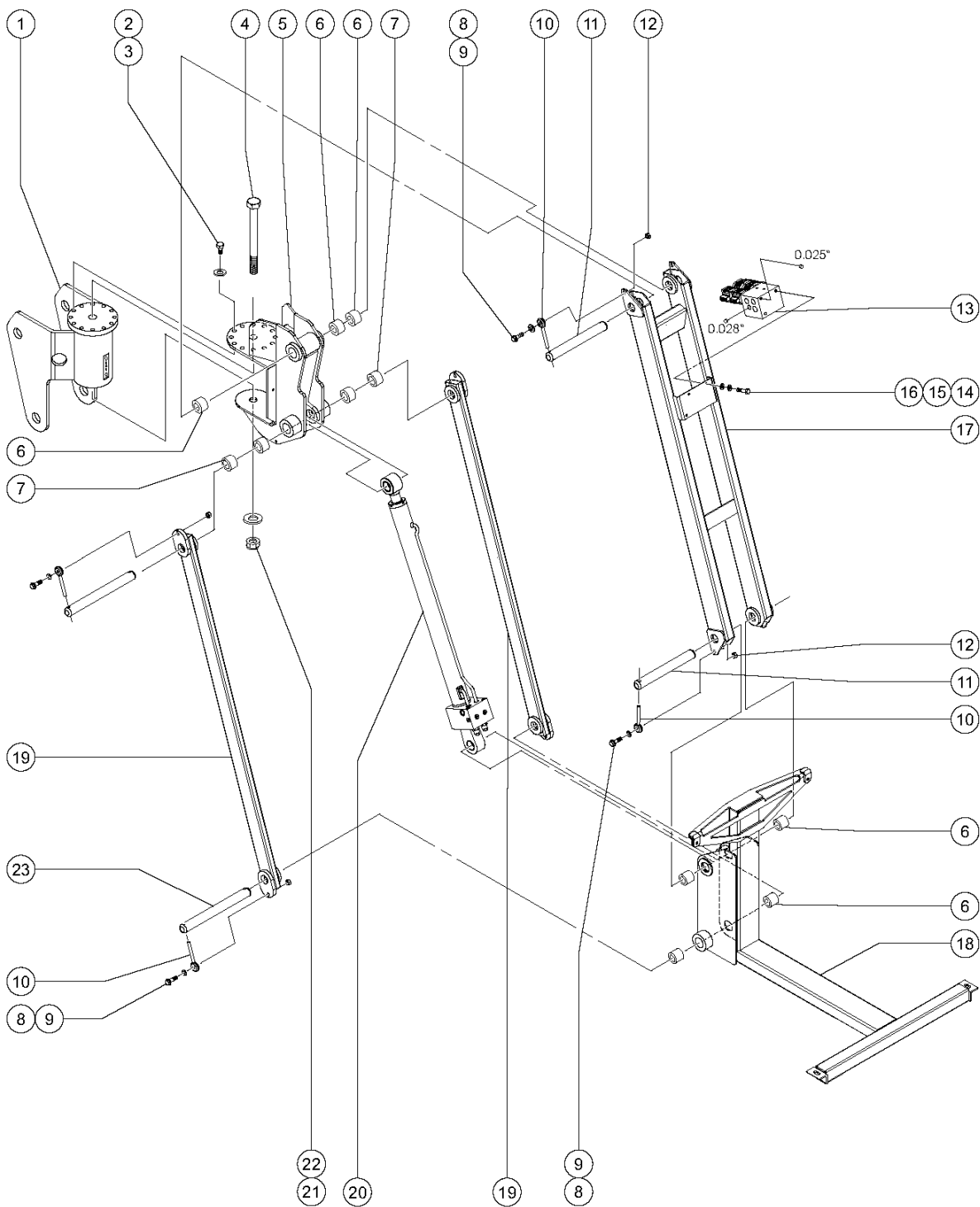
302.2 Jib Boom and Jib Rotator Installation, Z-20/8N



302.2 Jib Boom and Jib Rotator Installation, Z-20/8N

Item	Part No.	Description	Qty.
1		ROTATOR,HELICAL,PLATFORM Z20 (36751) component no longer available	1
1	44958GT	SEAL KIT-PLAT. ROTATOR-36751 for 36751	1
1	44959GT	BEARING KIT,PLAT.ROTATOR,36751 for 36751	1
1	13852GT	VALVE ASSY,BLEED*** for 36751	1
2	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	12
3	6033GT	WASHER,LOCK,0.5"	12
4	824075GT	SCREW, HHC, 1-8 X 12.75, 5, ZAG	
5		JIB PIVOT ASSY.W/BEARINGS,Z20 includes 3 each index numbers 6 and 7 ; No longer available	1
6	13009GT	BEARING,1.25IDX1.50ODX1.50L	7
7	34245GT	BEARING,1.25IDX1.50X1.25L	4
8	8516GT	SCREW, HCC, 3/8-16 X 1.50	6
9	5397GT	WASHER,FLAT,USS,5/16",Y	6
10	825019GT	ROD END, .375X3.69, ZAG	6
11	42797GT	PIN,1.25DIA X 12.50LG,2HOLE	2
12	4828GT	NUT,NYLOCK,3/8-16	2
13	74129GT	MANIFOLD,JIB Z20N,Z20W,Z25 from SN 1161	
13	52599GT	VALVE,SOLENOID,3POS/4WAY*	1
13	74990GT	ORIFICE, 0.025"(74129)*	1
13	74991GT	ORIFICE, 0.028" (74129)	1
13	74014GT	MANIFOLD,JIB ROTATE*** to SN 1160	
13	52599GT	VALVE,SOLENOID,3POS/4WAY*	1
13	74990GT	ORIFICE, 0.025"(74129)*	1
13	74991GT	ORIFICE, 0.028" (74129)	1
14	6090GT	SCREW, HHC, 1/4-20 X .75	2
15	6638GT	WASHER, FLAT, USS, 1/4"Y	2
16	6356GT	WASHER,LOCK,.25	2
17	56976GT	JIB BOOM MACH from SN 1161	1
17	36279-SGT	JIB BOOM MACHINED to SN 1160	1

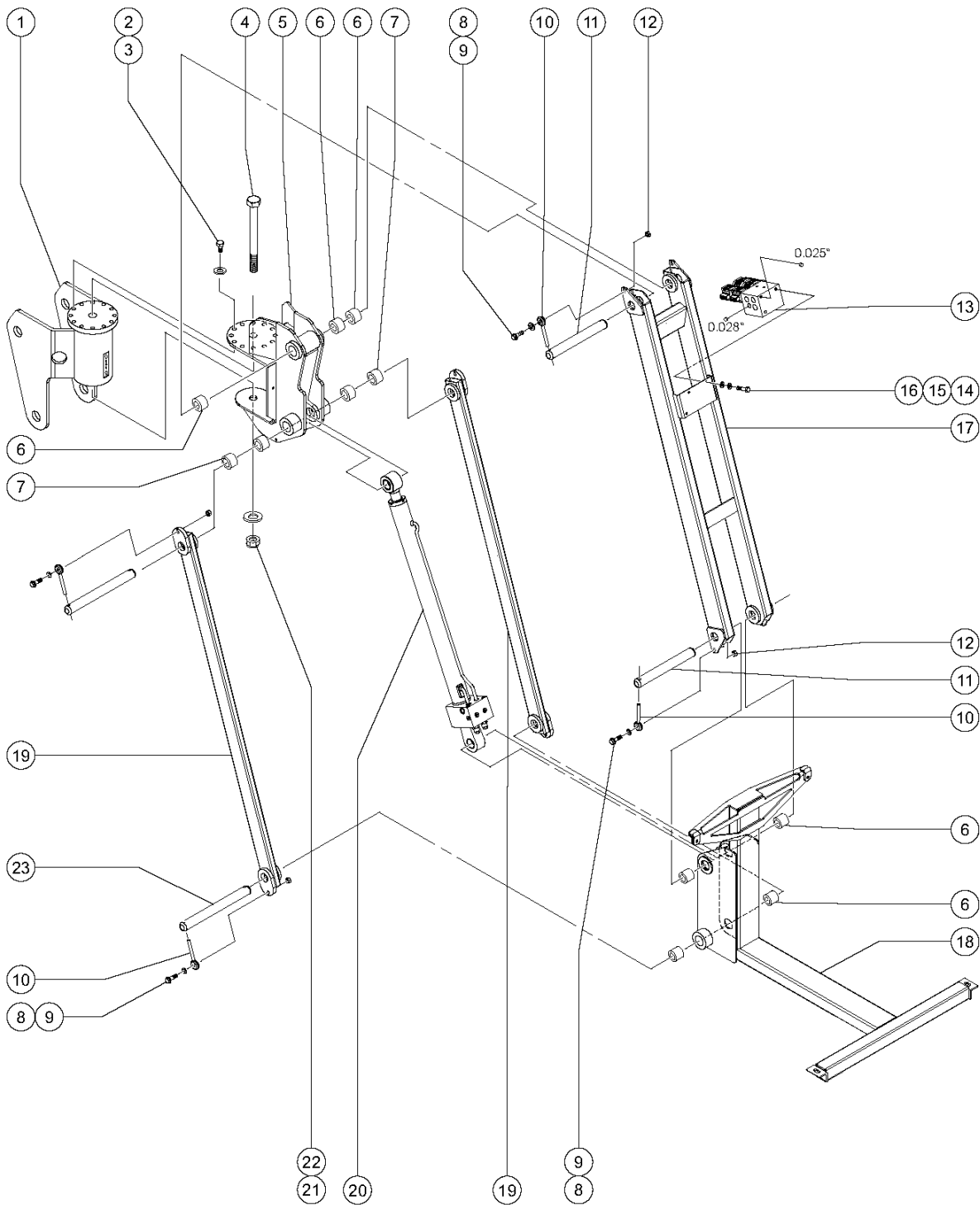
302.2 Jib Boom and Jib Rotator Installation, Z-20/8N



302.2 Jib Boom and Jib Rotator Installation, Z-20/8N

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
18	74992GT	PLAT SUPPORT ASSY, Z20N includes 4 each index number 6	1
20A	94218GT	CYLINDER,JIB	1
20A-	25683GT	BEARING,POLYGON,20DU12	1
20A-	31106GT	VALVE,CNTERBAL,CBBB-LHN@3000** for 94218	
20A-	94261GT	SEAL KIT,94218 for cylinder 94218 (Identify part number on cylinder before ordering. For cylinder 147142, .. order 147147)	
20B	147147GT	SEAL KIT,147142 for cylinder 147142 (Identify part number on cylinder before ordering. For cylinder 94218, .. order 94261)	
20C	48405GT	SEAL KIT,CYLINDER*** for 42507, 56152 and 56362 cylinders	1
21	33265GT	NUT,HEX,1-8	1
22	29605GT	WASHER,LOCK,1"	1
23	42797GT	PIN,1.25DIAX12.50LG,2HOLE	2

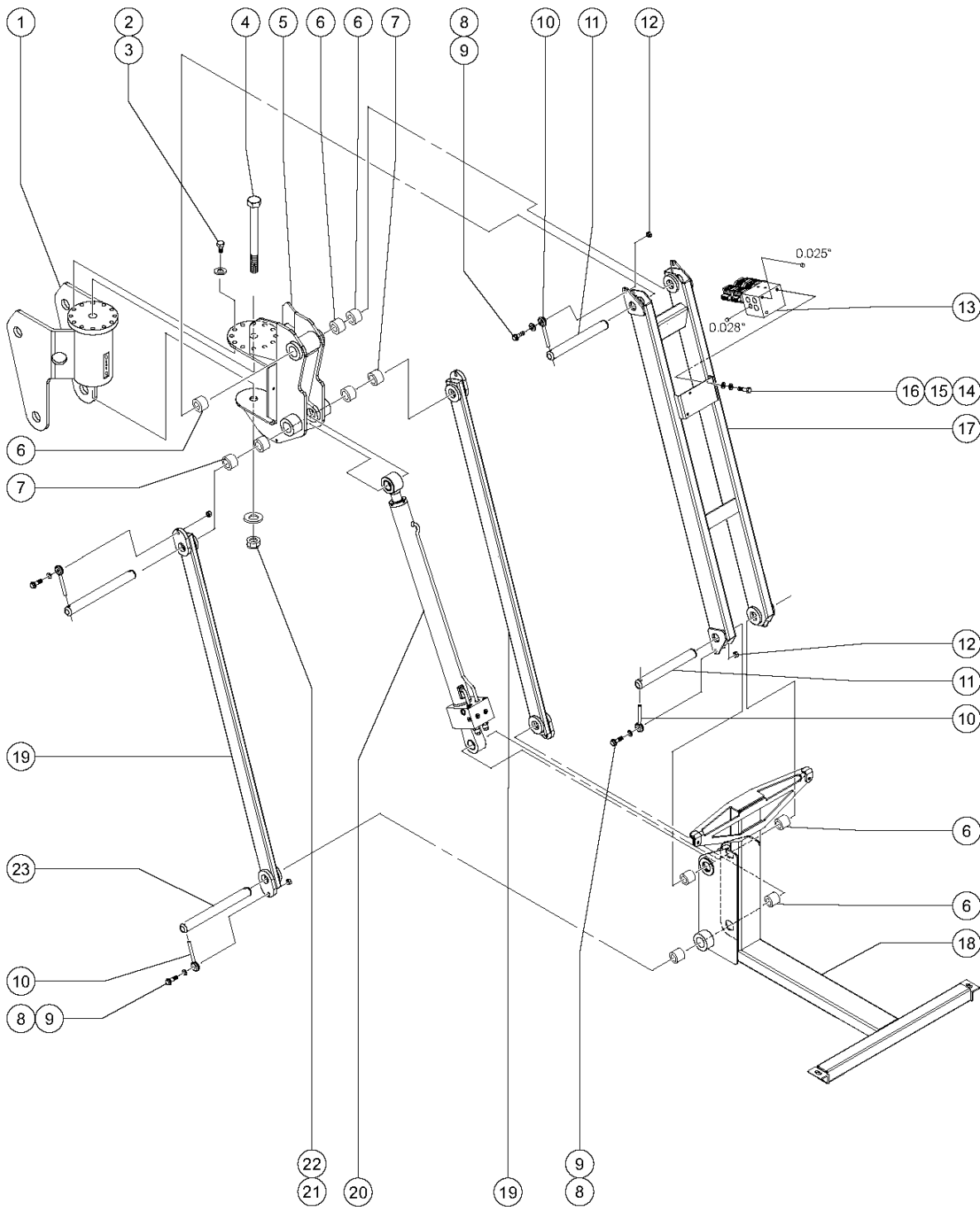
302.3 Jib Boom and Jib Rotator Installation, Z-25/8



302.3 Jib Boom and Jib Rotator Installation, Z-25/8

Item	Part No.	Description	Qty.
1		ROTATOR,HELICAL,PLATFORM Z20 (36751) component no longer available	1
1	44958GT	SEAL KIT-PLAT. ROTATOR-36751 for 36751	1
1	44959GT	BEARING KIT,PLAT.ROTATOR,36751 for 36751	1
1	13852GT	VALVE ASSY,BLEED*** for 36751	1
2	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	12
3	6033GT	WASHER,LOCK,0.5"	12
4	824075GT	SCREW, HHC, 1-8 X 12.75, 5, ZAG	
5		JIB PIVOT ASSY.W/BEARINGS,Z20 includes 3 each index numbers 6 and 7 ; No longer available	1
6	13009GT	BEARING,1.25IDX1.50ODX1.50L	7
7	34245GT	BEARING,1.25IDX1.50X1.25L	4
8	8516GT	SCREW, HCC, 3/8-16 X 1.50	6
9	5397GT	WASHER,FLAT,USS,5/16",Y	6
10	825019GT	ROD END, .375X3.69, ZAG	6
11	42797GT	PIN,1.25DIA X12.50LG,2HOLE	2
12	4828GT	NUT,NYLOCK,3/8-16	2
13	74129GT	MANIFOLD,JIB Z20N,Z20W,Z25 from SN 187	1
13	52599GT	VALVE,SOLENOID,3POS/4WAY*	1
13	74990GT	ORIFICE, 0.025"(74129)*	1
13	74991GT	ORIFICE, 0.028" (74129)	1
13	74014GT	MANIFOLD,JIB ROTATE*** to SN 186	1
13	52599GT	VALVE,SOLENOID,3POS/4WAY*	1
13	74990GT	ORIFICE, 0.025"(74129)*	1
13	74991GT	ORIFICE, 0.028" (74129)	1
14	6090GT	SCREW, HHC, 1/4-20 X .75	2
15	6638GT	WASHER, FLAT, USS, 1/4"Y	2
16	6356GT	WASHER,LOCK,.25	2
17	36279-SGT	JIB BOOM MACHINED to SN 1160	1
18	74993GT	PLAT SUPPORT ASSY, Z20W/Z25	1

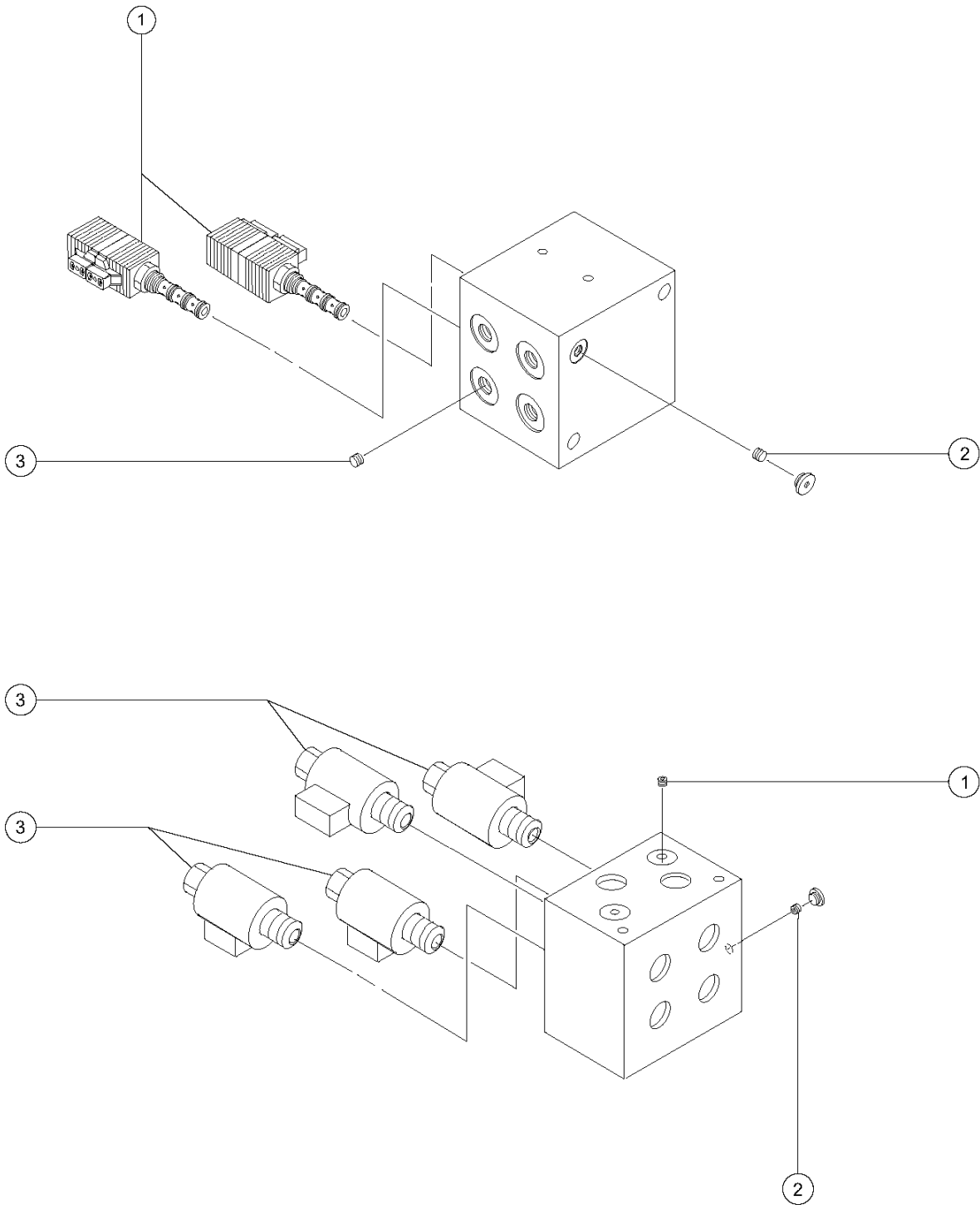
302.3 Jib Boom and Jib Rotator Installation, Z-25/8



302.3 Jib Boom and Jib Rotator Installation, Z-25/8

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
19	36054-SGT	COMPRESSION MEMBER (BORED)***	2
20A	94218GT	CYLINDER,JIB	1
20A-	31106GT	VALVE,CNTERBAL,CBBB-LHN@3000** for 94218	
20A-	25683GT	BEARING,POLYGON,20DU12	1
20A-	31106GT	VALVE,CNTERBAL,CBBB-LHN@3000**	1
20A-	94261GT	SEAL KIT,94218 for cylinder 94218 (Identify part number on cylinder before ordering)	
20B	147147GT	SEAL KIT,147142 for cylinder 147142 (Identify part number on cylinder before ordering)	
20C	48405GT	SEAL KIT,CYLINDER*** for 42507, 56152 and 56362 cylinders	1
21	33265GT	NUT,HEX,1-8	1
22	29605GT	WASHER,LOCK,1"	1
23	42797GT	PIN,1.25DIAX12.50LG,2HOLE	2

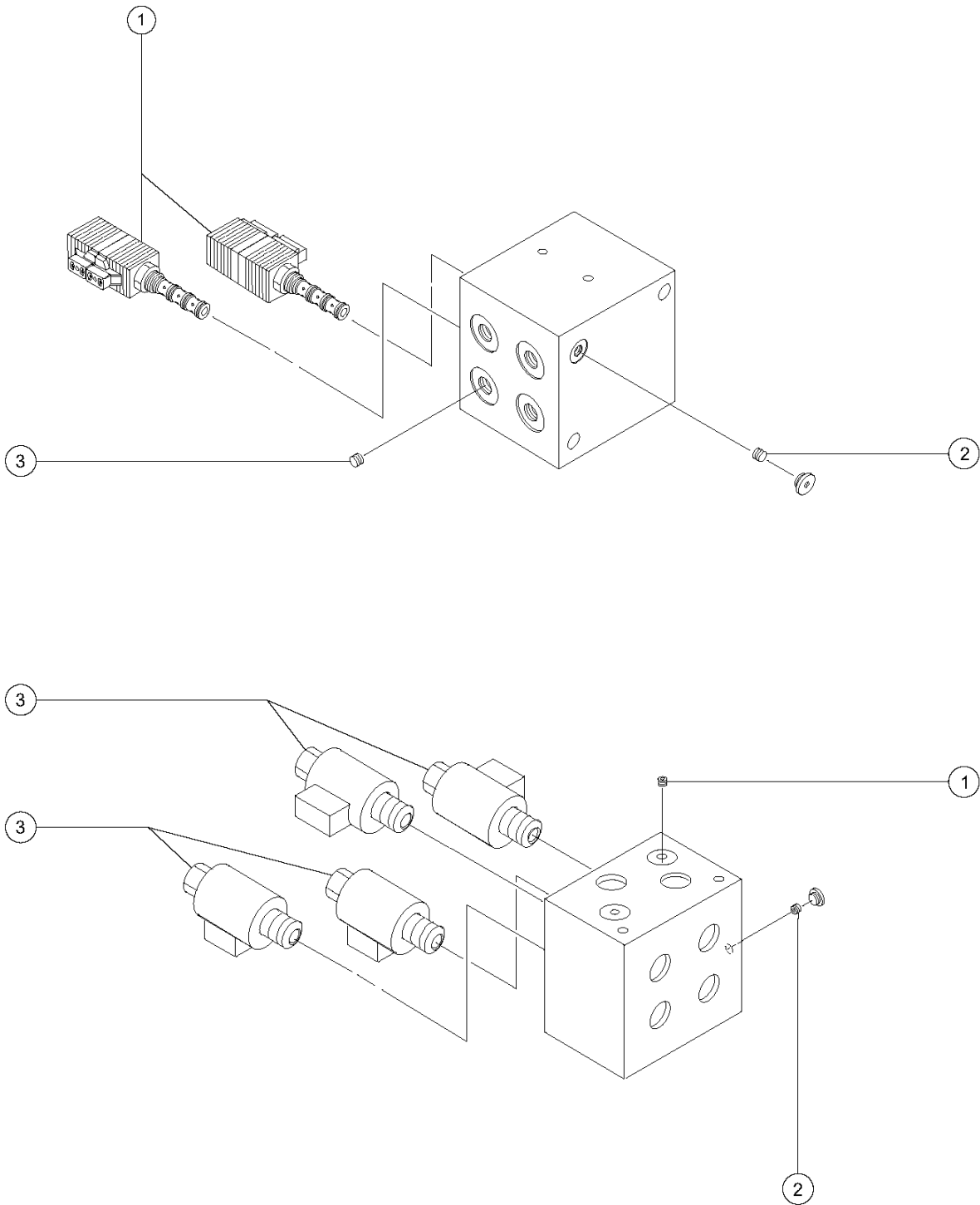
303.1 Jib Boom Manifold, Z-20/8



303.1 Jib Boom Manifold, Z-20/8

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
	74129GT	MANIFOLD,JIB Z20N,Z20W,Z25 includes index numbers 1, 2, and 3; from SN 114	1
1	52599GT	VALVE,SOLENOID,3POS/4WAY*	1
1	72047GT	SEAL KIT, SOLENOID VALVE	
2	74990GT	ORIFICE, 0.025"(74129)*	1
3	74991GT	ORIFICE, 0.028" (74129)	1
3	74014GT	MANIFOLD,JIB ROTATE*** includes index numbers 1, 2, 3 and 4; to SN 113	1
1	44954GT	VALVE,SOLENOID,20V W/ DIODE **	4
1	72043GT	SEAL KIT,SOLENOID VALVE	
2	32669GT	ORIFICE PLUG,.025 (30551)	1
3	65523GT	ORIFICE, 0.028" (56179)	1
3	28750GT	O-RING KIT,FIELD SVC,ALL PROD*	1

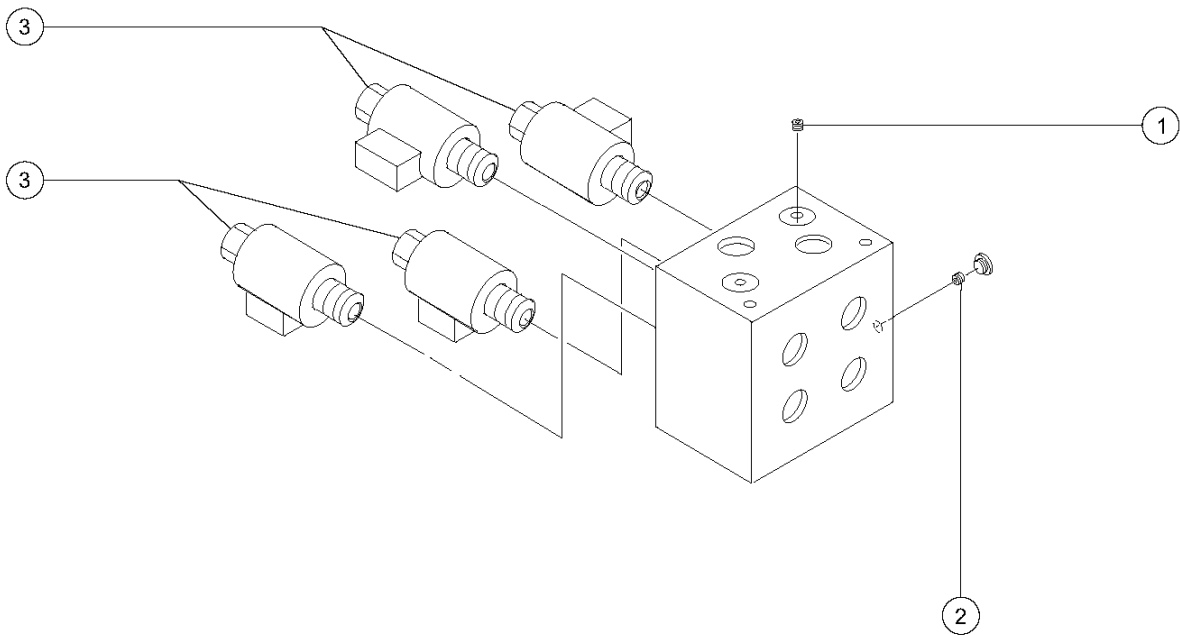
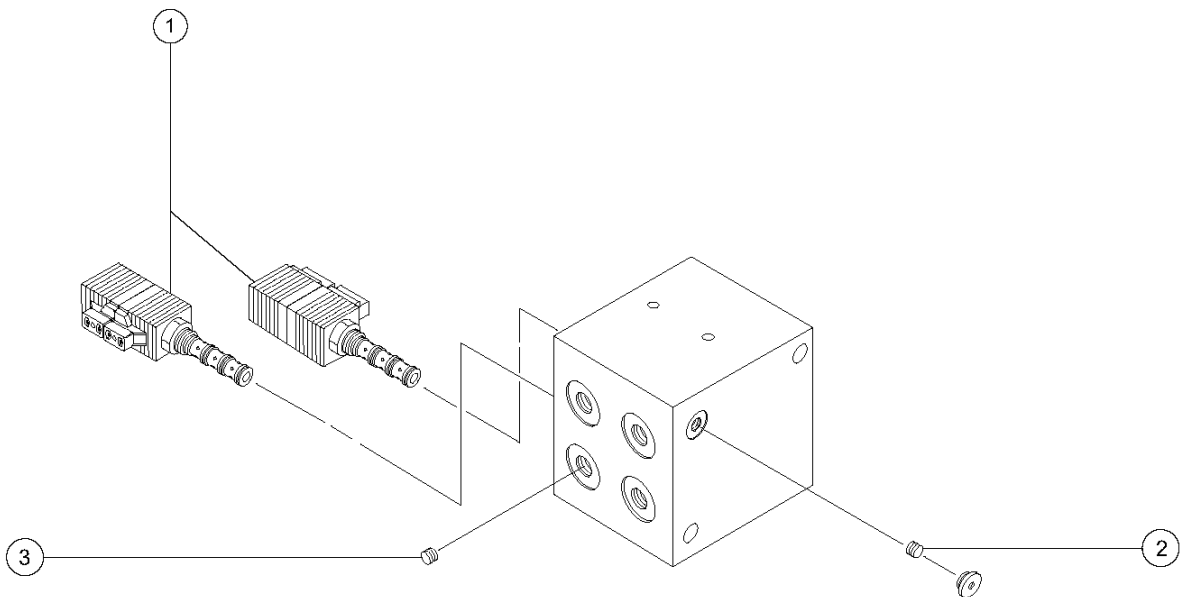
303.2 Jib Boom Manifold, Z-20/8N



303.2 Jib Boom Manifold, Z-20/8N

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
	28750GT	O-RING KIT, FIELD SVC, ALL PROD*	1
A	74129GT	MANIFOLD, JIB Z20N, Z20W, Z25 includes index numbers 1, 2, and 3; from SN 818	1
1	52599GT	VALVE, SOLENOID, 3POS/4WAY*	1
		includes two coils	
1-	72047GT	SEAL KIT, SOLENOID VALVE	
2	74990GT	ORIFICE, 0.025"(74129)*	1
3	74991GT	ORIFICE, 0.028" (74129)	1
B	74014GT	MANIFOLD, JIB ROTATE*** includes index numbers 1, 2, 3 and 4; to SN 817	1
1B	65523GT	ORIFICE, 0.028" (56179)	1
2B	32669GT	ORIFICE PLUG, .025 (30551)	1
3B	44954GT	VALVE, SOLENOID, 20V W/ DIODE ** 2 position/3 way, valve without coil is 74899	4
3-	72043GT	SEAL KIT, SOLENOID VALVE	

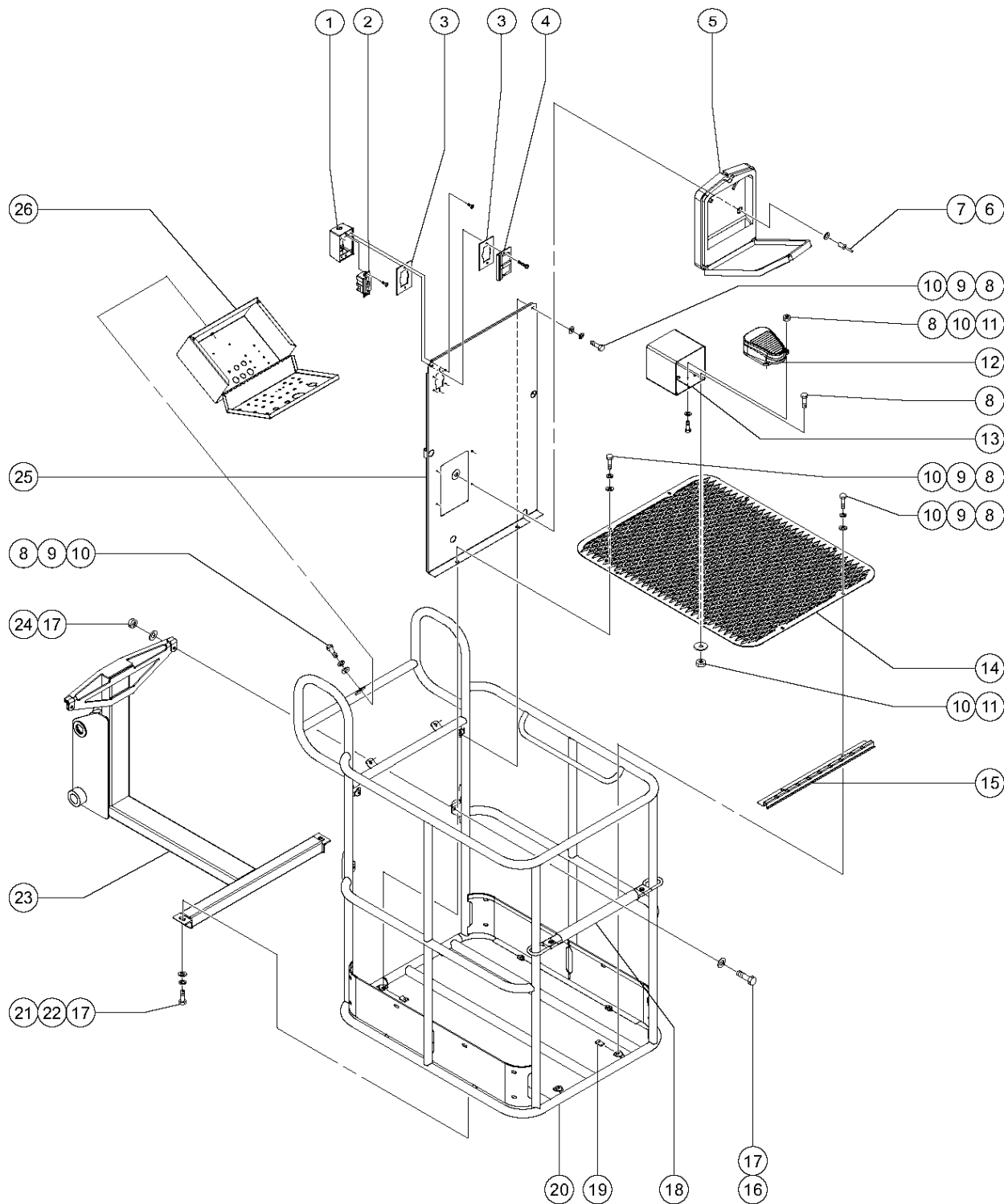
303.3 Jib Boom Manifold, Z-25/8



303.3 Jib Boom Manifold, Z-25/8

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
	74129GT	MANIFOLD,JIB Z20N,Z20W,Z25 includes index numbers 1, 2, and 3; from SN 187	1
1	52599GT	VALVE,SOLENOID,3POS/4WAY*	1
1	72047GT	SEAL KIT, SOLENOID VALVE	
2	74990GT	ORIFICE, 0.025"(74129)*	1
3	74991GT	ORIFICE, 0.028" (74129)	1
3	74014GT	MANIFOLD,JIB ROTATE*** includes index numbers 1, 2, 3 and 4; to SN 186	1
1	44954GT	VALVE,SOLENOID,20V W/ DIODE **	4
1	72043GT	SEAL KIT,SOLENOID VALVE	
2	32669GT	ORIFICE PLUG,.025 (30551)	1
3	65523GT	ORIFICE, 0.028" (56179)	1
3	28750GT	O-RING KIT,FIELD SVC,ALL PROD*	1

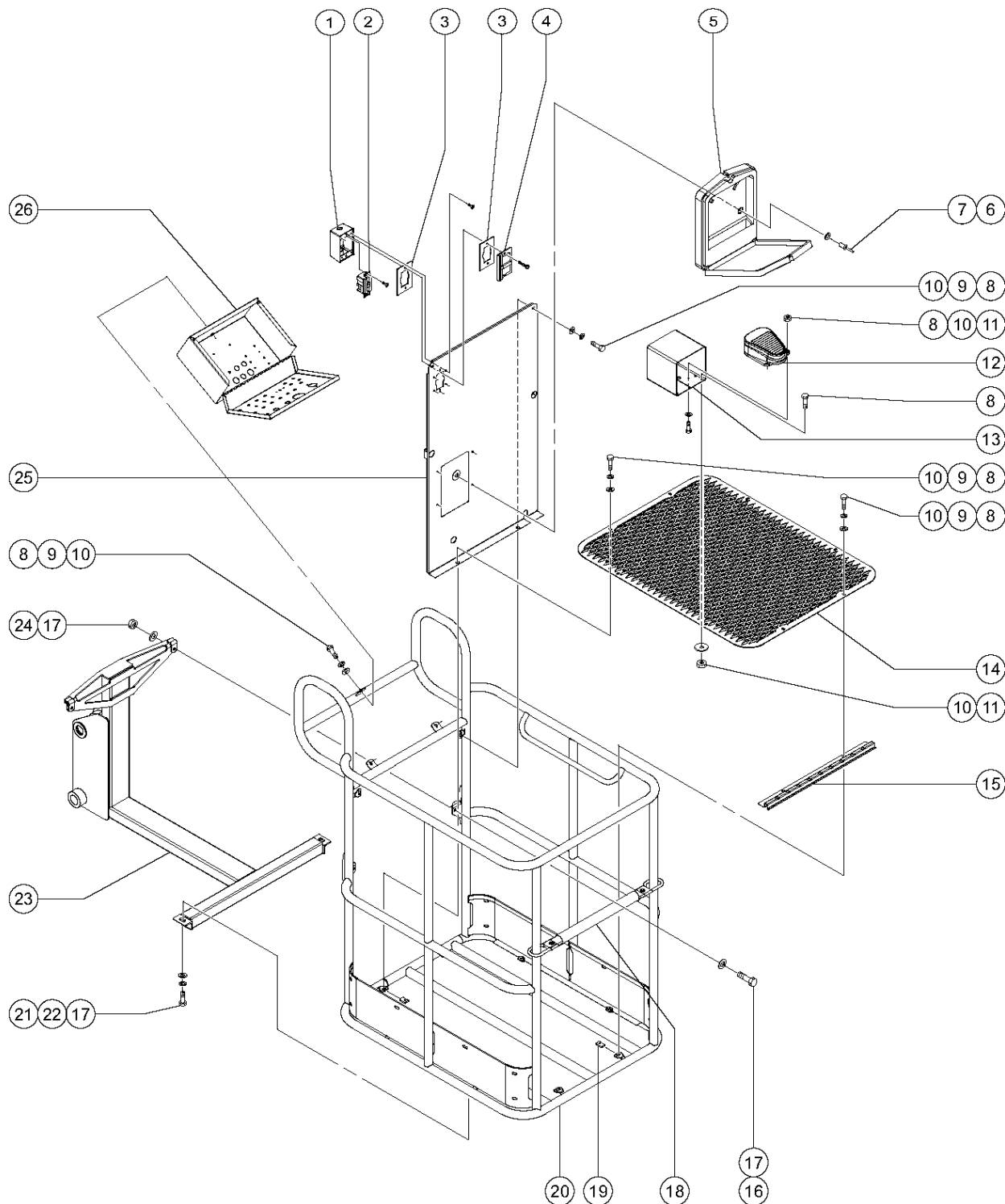
401.1 Platform Installation (Z-20/8 from SN 105)



401.1 Platform Installation (Z-20/8 from SN 105)

Item	Part No.	Description	Qty.
	74758GT	PLAT.ASSY.W/DECL,Z20WZ25,ANSI* ANSI and CSA models; from SN 105	1
	74759GT	PLAT.ASSY.W/DECAL,Z20W,Z25,CE* CE models; from SN 105	1
1	10775GT	T-BOX,2.75 X 4.5 X 2.0 from SN 105	1
2	13585GT	OUTLET 110V North America; from SN 105	1
2-	35003GT	RECEPTACLE, BRITISH, 110V UK; from SN 105	1
3	74052GT	GASKET,COVER,GFCI,WEATHERPROOF from SN 105	2
4	74006GT	COVER,GFCI,HORIZONTAL,WEATHER includes mounting fasteners; North America; from SN 105	1
5	44743GT	MANUAL BOX W/DECALS*** from SN 105	1
6	12037GT	RIVET,STL,STL,P,.25 X .5 from SN 105	4
7A	56660GT	WASHER,RIVETING from SN 105	4
7B	6638GT	WASHER, FLAT, USS, 1/4"Y from SN 105	4
8	6090GT	SCREW, HHC, 1/4-20 X .75 from SN 105	20
9	6356GT	WASHER,LOCK,.25 from SN 105	15
10	6638GT	WASHER, FLAT, USS, 1/4"Y from SN 105	15
11	6091GT	NUT, NYLOCK, 1/4-20 from SN 105	2
12	74298GT	FOOTSWITCH ASSEMBLY 30N from SN 105	1
12-	13482GT	FOOT SWITCH*** from SN 105	1
12-	20262GT	MICROSWITCH,13482 FOOTSWITCH from SN 105	1
12-	56051GT	WIRE CABLE,16/2,WHT/BLK,SJEOW from SN 105	82
13	32710GT	GUARD,FOOTSWITCH,W/DECAL STEEL from SN 105	1
14	56465PGT	FLOORING,PLATFORM 46X30,PAINT from SN 105	1
15	56656PGT	PLATFORM STEP * PAINTED from SN 105	1
16	13000GT	SCREW,HHC,5/16-18 X 1.25 from SN 105	2
17	5397GT	WASHER,FLAT,USS,5/16",Y from SN 105	6
18	102992GT	SLIDING MIDRAIL KIT,PTD from SN 105	1
18-	12443GT	MIDRAIL GUIDE (HOOK) from SN 105	1
18-	20973GT	WIRE LOOM,3/8 POLY SLIT from SN 105	6
18-	21121GT	CABLE TIE, 4" BLK, HEAT RESISTANT from SN 105	

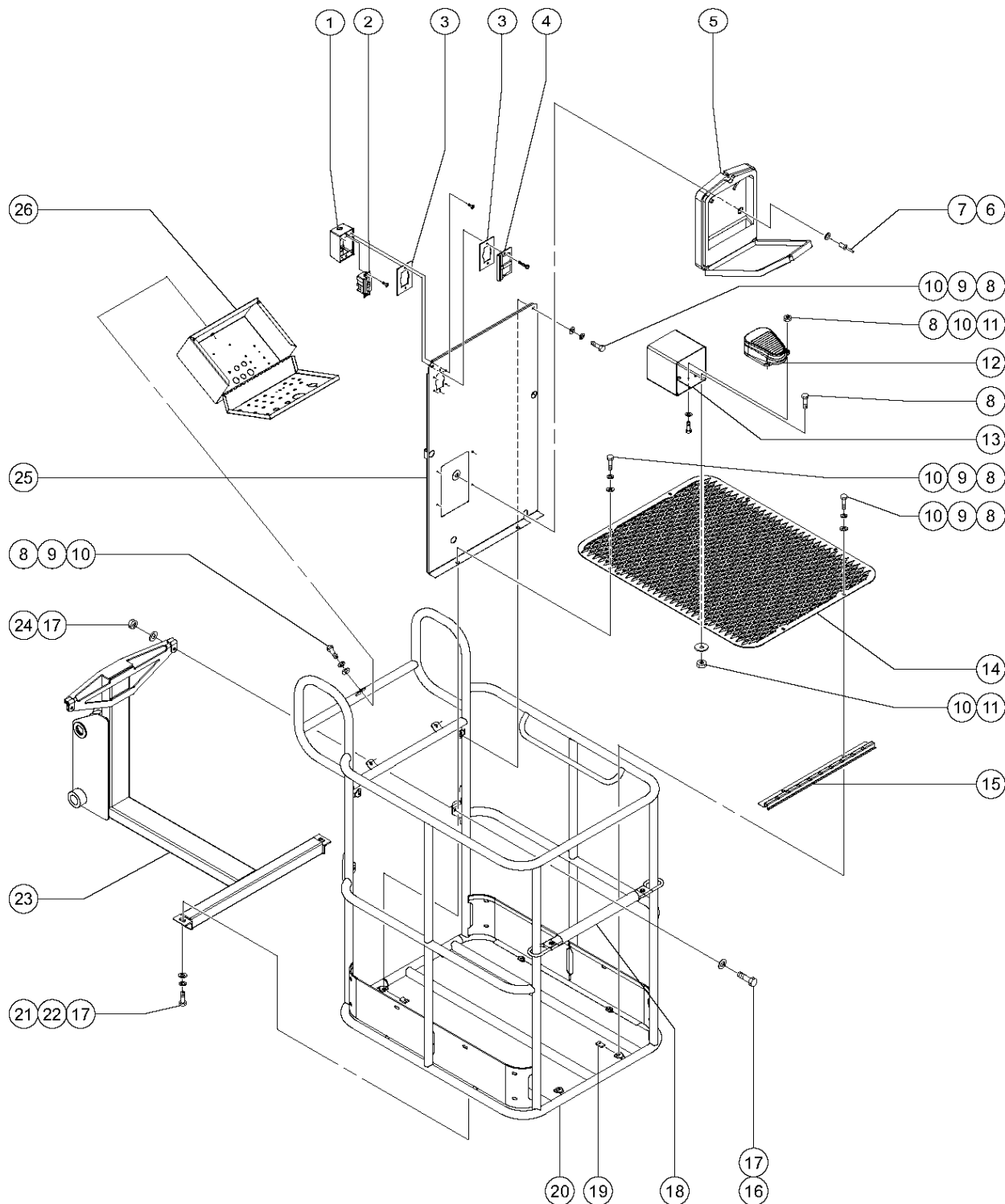
401.1 Platform Installation (Z-20/8 from SN 105)



401.1 Platform Installation (Z-20/8 from SN 105)

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
18-	53819GT	TUBE,SLIDING MIDRAIL,20.69 IN from SN 105	
19	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG from SN 105	10
20		WELDMENT,PLATFORM 46X30 from SN 105; refer to 74758 or 74759, above	1
21	8255GT	SCREW,HHC,3/8-16 X .75 from SN 105	2
22	6021GT	WASHER,LOCK,.375 from SN 105	2
23	74993GT	PLAT SUPPORT ASSY, Z20W/Z25 from SN 105	1
24	6782GT	NUT, NYLOCK, 5/16-18 from SN 105	2
25	62508GT	DECAL PLATE W/D,PLAT,Z30/34** ANSI and CSA models; from SN 105	1
25-	62516GT	DECAL PLATE W/D,PLAT,Z30/34** CE models; from SN 105	1
26	74317GT	CONTROL BOX,PLATFORM from SN 105	1
26-	36235GT	GASKET,PLAT.CONTROL BOX from SN 105	1

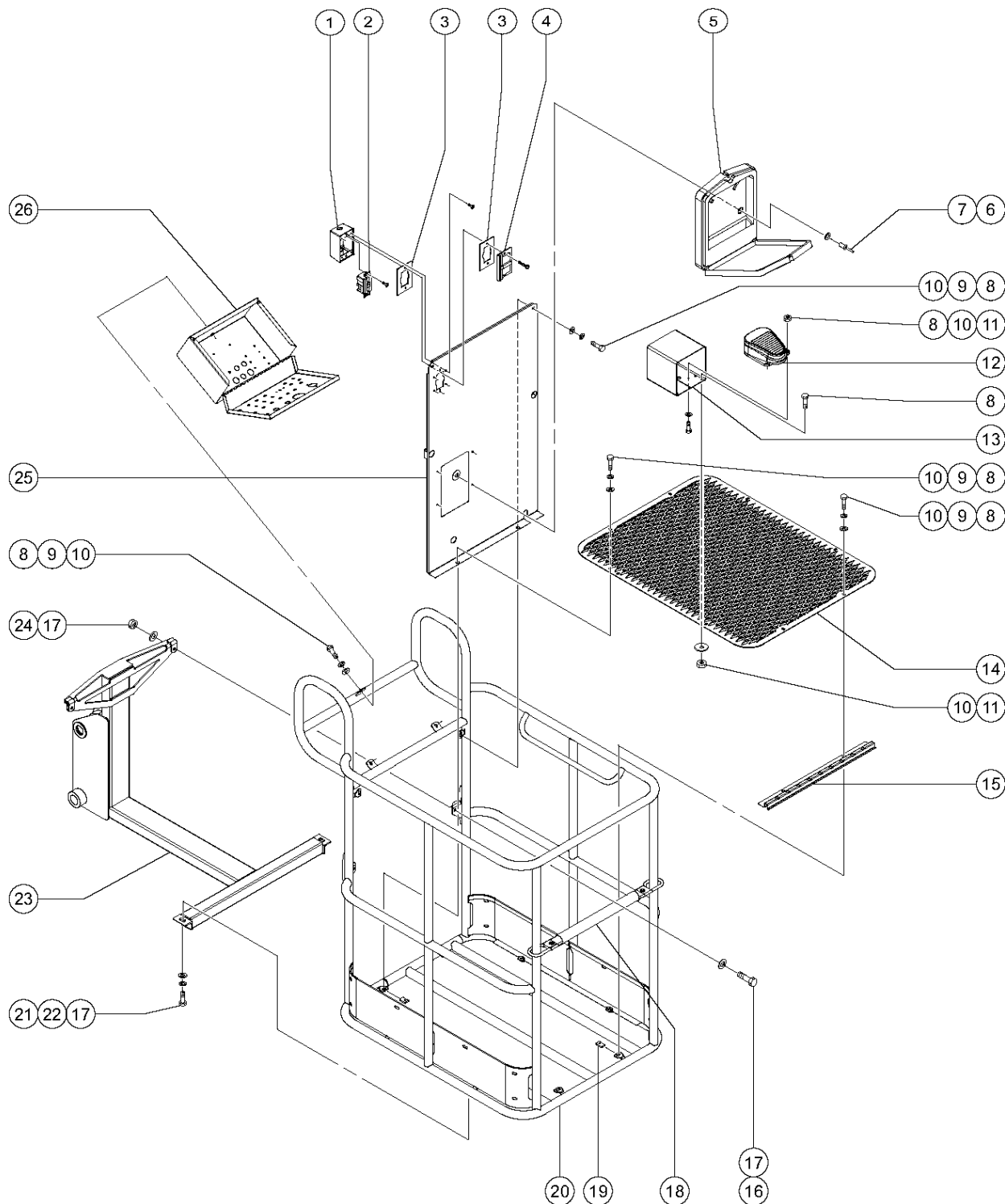
401.2 Platform Installation (Z-20/8N from SN 1159)



401.2 Platform Installation (Z-20/8N from SN 1159)

Item	Part No.	Description	Qty.
	74756GT	PLAT.ASSY.W/DECAL,Z20N,ANSI ANSI and CSA models; from SN 1159	1
	74757GT	PLAT.ASSY.W/DECALS,Z20N,CE ** CE models; from SN 1159	1
1	10775GT	T-BOX,2.75 X 4.5 X 2.0 from SN 1159	1
2	13585GT	OUTLET 110V North America; from SN 1159	1
2-	35003GT	RECEPTACLE, BRITISH, 110V UK; from SN 1159	1
3	74052GT	GASKET,COVER,GFCI,WEATHERPROOF from SN 1159	2
4	74006GT	COVER,GFCI,HORIZONTAL,WEATHER includes mounting fasteners; North America; from SN 1159	1
5	44743GT	MANUAL BOX W/DECALS*** from SN 1159	1
6	12037GT	RIVET,STL,STL,P,.25 X .5 from SN 1159	4
7A	56660GT	WASHER,RIVETING from SN 1159	4
7B	6638GT	WASHER, FLAT, USS, 1/4"Y from SN 1159	
8	6090GT	SCREW, HHC, 1/4-20 X .75 from SN 1159	20
9	6356GT	WASHER,LOCK,.25 from SN 1159	15
10	6638GT	WASHER, FLAT, USS, 1/4"Y from SN 1159	15
11	6091GT	NUT, NYLOCK, 1/4-20 from SN 1159	2
12	74298GT	FOOTSWITCH ASSEMBLY 30N from SN 1159	1
12-	13482GT	FOOT SWITCH*** from SN 1159	1
12-	20262GT	MICROSWITCH,13482 FOOTSWITCH from SN 1159	1
12-	56051GT	WIRE CABLE,16/2,WHT/BLK,SJEOW from SN 1159	82
13	32710GT	GUARD,FOOTSWITCH,W/DECAL STEEL from SN 1159	1
14	56631GT	FLOORING PLATFORM 31X40 shown; from SN 1159	1
15	56656PGT	PLATFORM STEP * PAINTED from SN 1159	1
16	13000GT	SCREW,HHC,5/16-18 X 1.25 from SN 1159	2
17	5397GT	WASHER,FLAT,USS,5/16",Y from SN 1159	6
18	102992GT	SLIDING MIDRAIL KIT,PTD from SN 1159	1
18-	12443GT	MIDRAIL GUIDE (HOOK) from SN 1159	1
18-	20973GT	WIRE LOOM,3/8 POLY SLIT from SN 1159	6
18-	21121GT	CABLE TIE, 4" BLK, HEAT RESISTANT from SN 1159	

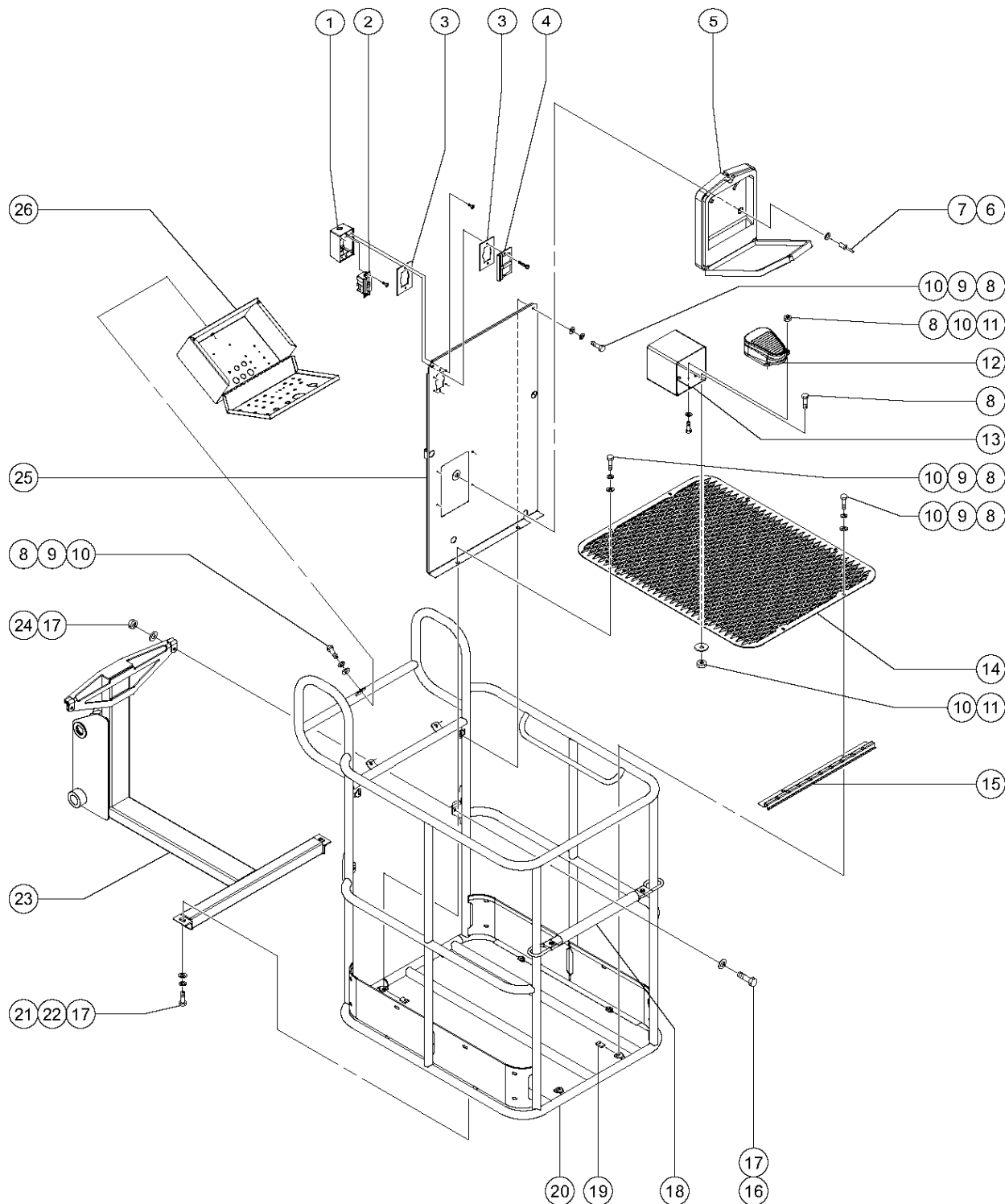
401.2 Platform Installation (Z-20/8N from SN 1159)



401.2 Platform Installation (Z-20/8N from SN 1159)

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
18-	53819GT	TUBE,SLIDING MIDRAIL,20.69 IN from SN 1159	
19	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG from SN 1159	10
20		PLATFORM from SN 1159; refer to 74756 or 74757, above	1
21	8255GT	SCREW,HHC,3/8-16 X .75 from SN 1159	2
22	6021GT	WASHER,LOCK,.375 from SN 1159	2
23	74992GT	PLAT SUPPORT ASSY, Z20N from SN 1159	1
24	6782GT	NUT, NYLOCK, 5/16-18 from SN 1159	2
25	62508GT	DECAL PLATE W/D,PLAT,Z30/34** ANSI and CSA models; from SN 1159	1
25-	62516GT	DECAL PLATE W/D,PLAT,Z30/34** CE models; from SN 1159	1
26	74317GT	CONTROL BOX,PLATFORM from SN 1159	1
26-	36235GT	GASKET,PLAT.CONTROL BOX from SN 1159	1

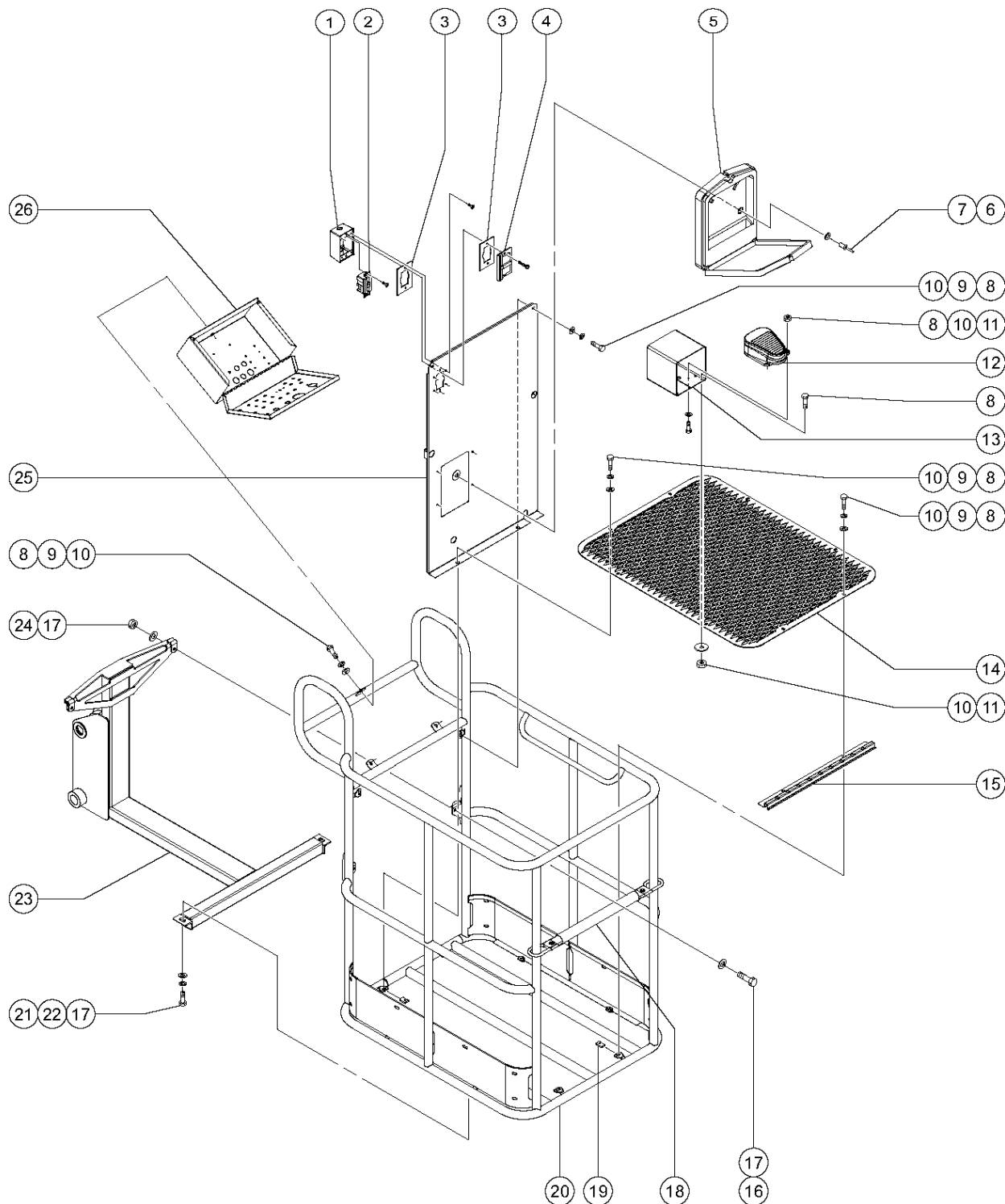
401.3 Platform Installation (Z-25/8 from SN 170)



401.3 Platform Installation (Z-25/8 from SN 170)

Item	Part No.	Description	Qty.
	74758GT	PLAT.ASSY.W/DECL,Z20WZ25,ANSI* ANSI and CSA models; from SN 170	1
	74759GT	PLAT.ASSY.W/DECAL,Z20W,Z25,CE* CE models; from SN 170	1
1	10775GT	T-BOX,2.75 X 4.5 X 2.0 from SN 170	1
2	13585GT	OUTLET 110V North America; from SN 170	1
2-	35003GT	RECEPTACLE, BRITISH, 110V UK; from SN 170	1
3	74052GT	GASKET,COVER,GFCI,WEATHERPROOF from SN 170	2
4	74006GT	COVER,GFCI,HORIZONTAL,WEATHER includes mounting fasteners; North America; from SN 170	1
5	44743GT	MANUAL BOX W/DECALS*** from SN 170	1
6	12037GT	RIVET,STL,STL,P,.25 X .5 from SN 170	4
7A	56660GT	WASHER,RIVETING from SN 170	4
7B	6638GT	WASHER, FLAT, USS, 1/4"Y from SN 170	4
8	6090GT	SCREW, HHC, 1/4-20 X .75 from SN 170	20
9	6356GT	WASHER,LOCK,.25 from SN 170	15
10	6638GT	WASHER, FLAT, USS, 1/4"Y from SN 170	15
11	6091GT	NUT, NYLOCK, 1/4-20 from SN 170	2
12	74298GT	FOOTSWITCH ASSEMBLY 30N from SN 170	1
12-	13482GT	FOOT SWITCH*** from SN 170	1
12-	20262GT	MICROSWITCH,13482 FOOTSWITCH from SN 170	1
12-	56051GT	WIRE CABLE,16/2,WHT/BLK,SJEOW from SN 170	82
13	32710GT	GUARD,FOOTSWITCH,W/DECAL STEEL from SN 170	1
14	56465PGT	FLOORING,PLATFORM 46X30,PAINT from SN 170	1
15	56656PGT	PLATFORM STEP * PAINTED from SN 170	1
16	13000GT	SCREW,HHC,5/16-18 X 1.25 from SN 170	2
17	5397GT	WASHER,FLAT,USS,5/16",Y from SN 170	6
18	102992GT	SLIDING MIDRAIL KIT,PTD from SN 170	1
18-	12443GT	MIDRAIL GUIDE (HOOK) from SN 170	1
18-	20973GT	WIRE LOOM,3/8 POLY SLIT from SN 170	6
18-	21121GT	CABLE TIE, 4" BLK, HEAT RESISTANT from SN 170	

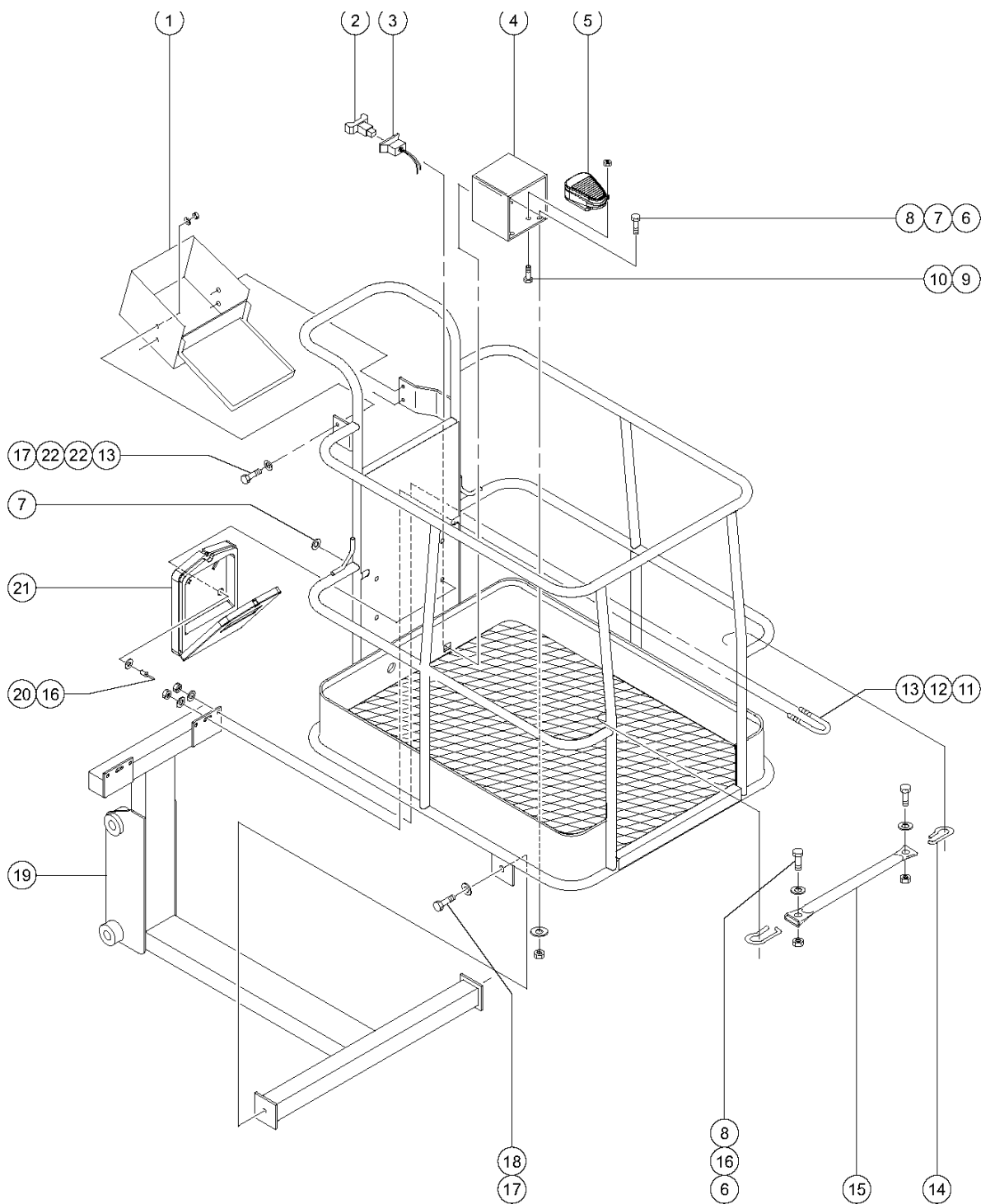
401.3 Platform Installation (Z-25/8 from SN 170)



401.3 Platform Installation (Z-25/8 from SN 170)

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
18-	53819GT	TUBE,SLIDING MIDRAIL,20.69 IN from SN 170	
19	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG from SN 170	10
20	74326GT	WELDMENT,PLATFORM 46X30 from SN 170	1
21	8255GT	SCREW,HHC,3/8-16 X .75 from SN 170	2
22	6021GT	WASHER,LOCK,.375 from SN 170	2
23	74993GT	PLAT SUPPORT ASSY, Z20W/Z25 from SN 170	1
24	6782GT	NUT, NYLOCK, 5/16-18 from SN 170	2
25	62508GT	DECAL PLATE W/D,PLAT,Z30/34** ANSI and CSA models; from SN 170	1
25-	62516GT	DECAL PLATE W/D,PLAT,Z30/34** CE models; from SN 170	1
26	74317GT	CONTROL BOX,PLATFORM from SN 170	1
26-	36235GT	GASKET,PLAT.CONTROL BOX from SN 170	1

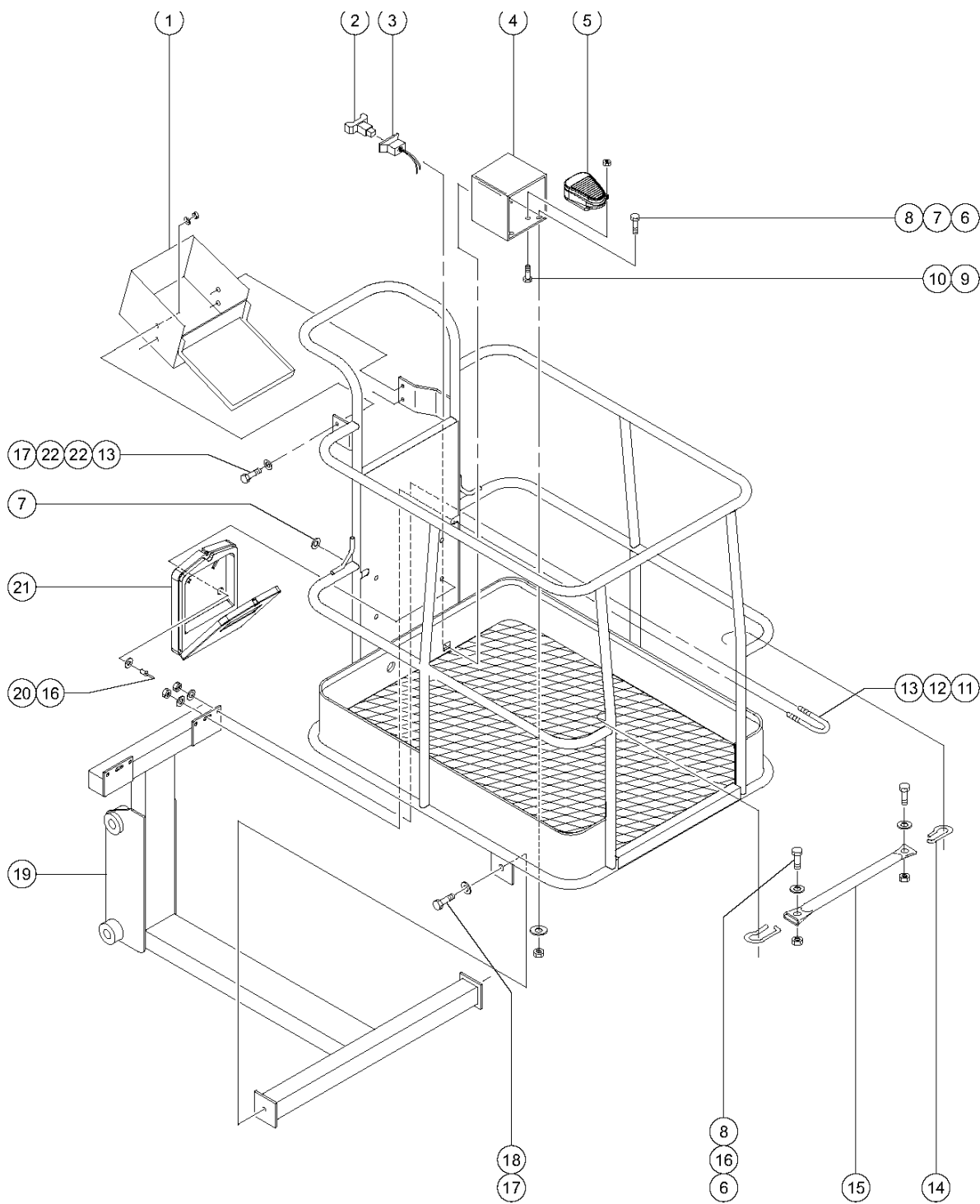
402.1 Platform Installation (Z-20/8 to SN 104)



402.1 Platform Installation (Z-20/8 to SN 104)

Item	Part No.	Description	Qty.
	74754GT	PLAT.ASSY.W/DECL,Z20WZ25,ANSI* ANSI and CSA models; to SN 104	
	74755GT	PLAT.ASSY.W/DECAL,Z20W,Z25,CE* CE models; to SN 104	
1	44965GT	PLAT.CONTROL BOX W/DECAL, Z20 to SN 104	1
1-	42151GT	GASKET,PLAT.CONTROL BOX Z20 to SN 104	1
2	44966GT	FOOTSWITCH WIRE ASSY, Z20N to SN 104	1
2-	45313GT	PLUG,W/LATCH,4 POLE,ANDERSON to SN 104	1
2-	22431GT	TERMINAL,ANDERSON,30A 12-16 GA to SN 104	1
2-	22432GT	ANDERSON HOUSING,15-45 AMP BLK to SN 104	1
2-	22433GT	ANDERSON HOUSING,15-45,AMP,WHT to SN 104	1
2-	22434GT	ANDERSON HOUSING,15-45 AMP RED to SN 104	1
2-	45201GT	SPACER,LONG ANDERSON to SN 104	1
2-	45202GT	PIN,ROLL,.094 X .875 to SN 104	1
2-	6562GT	WIRE CABLE,16/4 SJO,BULK to SN 104	82
3	29431GT	CONNECTOR ASSEMBLY,FOOTSWITCH to SN 104	1
3-	45139GT	RECEPT.,SNAP-IN,4 POLE ANDERSN to SN 104	1
3-	22432GT	ANDERSON HOUSING,15-45 AMP BLK to SN 104	1
3-	22433GT	ANDERSON HOUSING,15-45,AMP,WHT to SN 104	1
3-	22434GT	ANDERSON HOUSING,15-45 AMP RED to SN 104	1
3-	45200GT	SPACER,SHORT ANDERSON to SN 104	1
3-	45202GT	PIN,ROLL,.094 X .875 to SN 104	1
4	32710GT	GUARD,FOOTSWITCH,W/DECAL STEEL to SN 104	1
5	13482GT	FOOT SWITCH*** to SN 104	1
5	20262GT	MICROSWITCH,13482 FOOTSWITCH to SN 104	1
6	6888GT	SCREW,HHC,1/4-20 X 1 to SN 104	6
7	6091GT	NUT, NYLOCK, 1/4-20 to SN 104	8
8	49693GT	WASHER,FENDER,.25X1.50X.074 to SN 104	2
9	17626GT	SCREW,FHM,10-32 X .75 to SN 104	2
10	6178GT	NUT, NYLOCK, 10-32 to SN 104	2

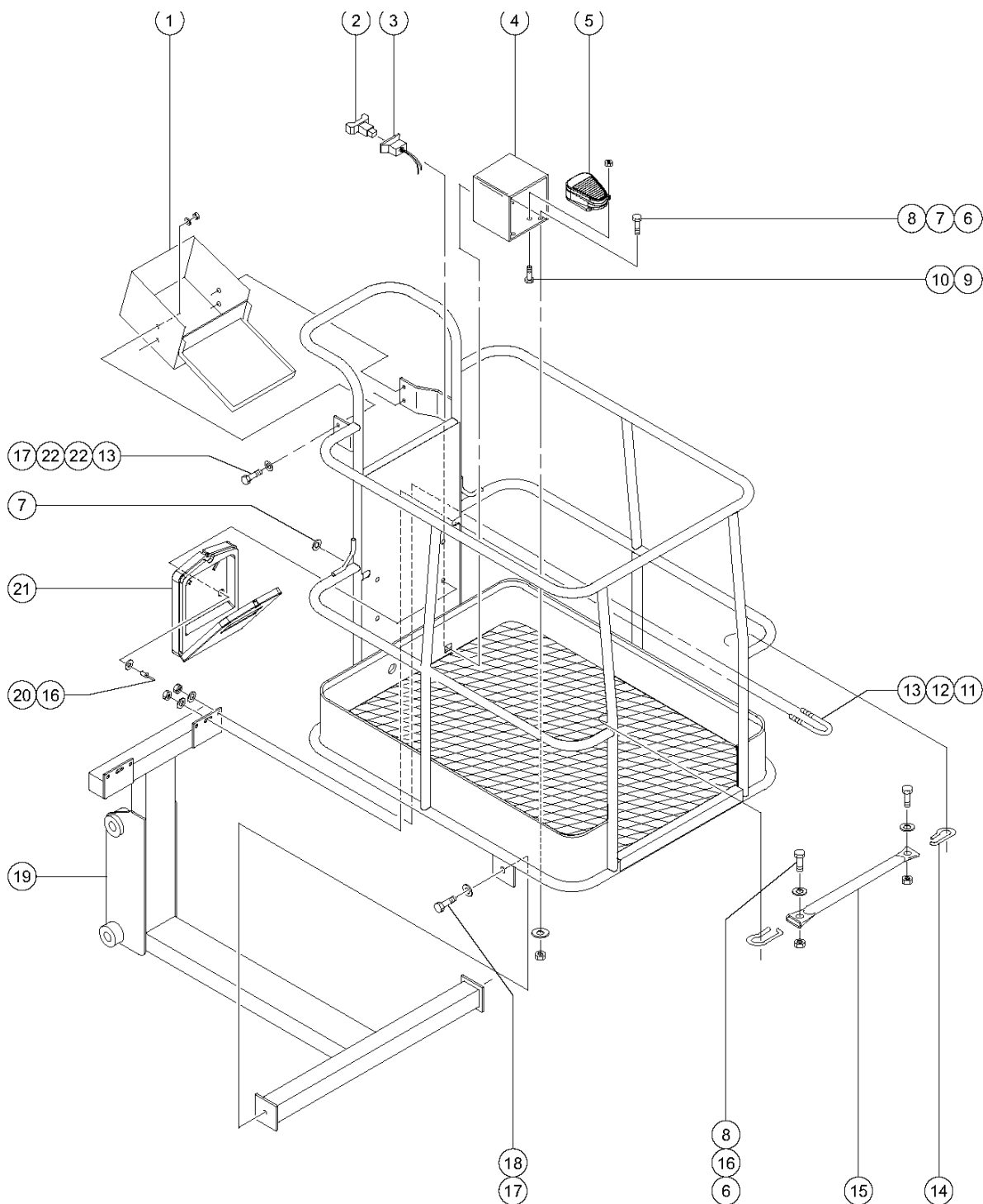
402.1 Platform Installation (Z-20/8 to SN 104)



402.1 Platform Installation (Z-20/8 to SN 104)

Item	Part No.	Description	Qty.
11	6550GT	U-BOLT, 3/8 X 1 YZ to SN 104	2
12	6097GT	WASHER, FLAT, USS, 3/8", Y to SN 104	6
13	4828GT	NUT, NYLOCK, 3/8-16 to SN 104	10
14	12443GT	MIDRAIL GUIDE (HOOK) to SN 104	1
14-	31146GT	WIRE LOOM, .413" NON-SLIT*** to SN 104	16
14-	21121GT	CABLE TIE, 4" BLK, HEAT RESISTANT to SN 104	
15	12447GT	TUBE-NARROW SLI.MIDRAIL-15.06 to SN 104	1
16	6638GT	WASHER, FLAT, USS, 1/4"Y to SN 104	10
17	6175GT	SCREW, HHC, 3/8-16 X 1 to SN 104	4
18	6021GT	WASHER, LOCK, .375 to SN 104	2
19	46998GT	PLAT.SUPPORT W/BEARNG,Z20 to SN 105	
20	12037GT	RIVET, STL, STL,P, .25 X .5 to SN 104	4
21	44743GT	MANUAL BOX W/DECALS*** to SN 104	1
22	5397GT	WASHER, FLAT, USS, 5/16", Y to SN 104	8

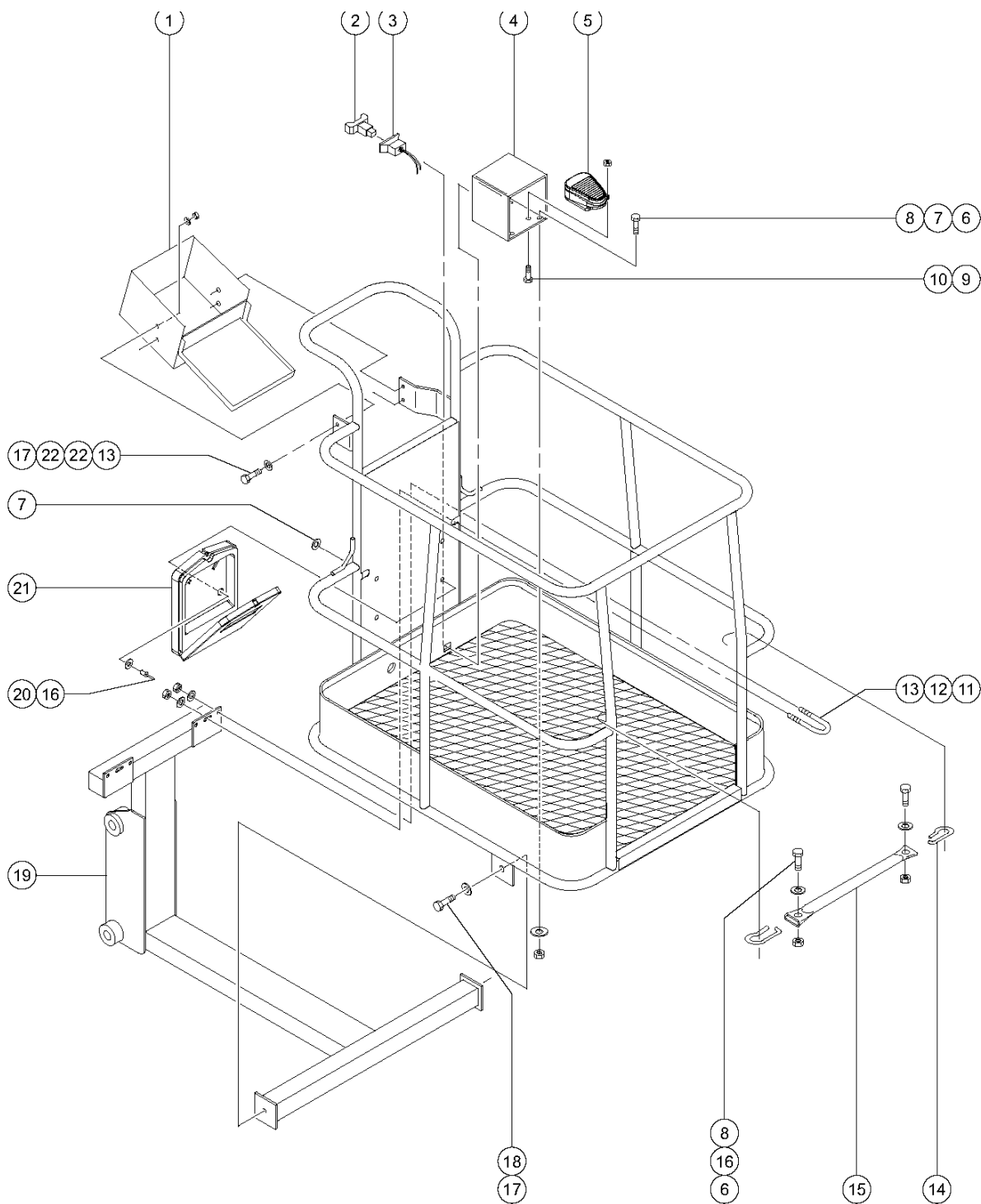
402.2 Platform Installation (Z-20/8N to SN 1158)



402.2 Platform Installation (Z-20/8N to SN 1158)

Item	Part No.	Description	Qty.
		PLAT.ASSY.W/DECALS,Z20N,ANSI ANSI and CSA models; from SN 651 to SN 1158, (no longer available)	
	74757GT	PLAT.ASSY.W/DECALS,Z20N,CE ** CE models; from SN 651 to SN 1158	
	44964GT	PLATFORM ASSY,Z20N, ANSI ANSI and CSA models; to SN 650	
	74753GT	COVER ASSY. ENGINE SIDE, CE** CE models; to SN 650	
1	44965GT	PLAT.CONTROL BOX W/DECAL, Z20 to SN 1158	1
1-	42151GT	GASKET,PLAT.CONTROL BOX Z20 to SN 1158	1
2	44966GT	FOOTSWITCH WIRE ASSY, Z20N to SN 1158	1
2-	45313GT	PLUG,W/LATCH,4 POLE,ANDERSON to SN 1158	1
2-	22431GT	TERMINAL,ANDERSON,30A 12-16 GA to SN 1158	1
2-	22432GT	ANDERSON HOUSING,15-45 AMP BLK to SN 1158	1
2-	22433GT	ANDERSON HOUSING,15-45,AMP,WHT to SN 1158	1
2-	22434GT	ANDERSON HOUSING,15-45 AMP RED to SN 1158	1
2-	45201GT	SPACER,LONG ANDERSON to SN 1158	1
2-	45202GT	PIN,ROLL,.094 X .875 to SN 1158	1
2-	6562GT	WIRE CABLE,16/4 SJO,BULK to SN 1158	82
3	29431GT	CONNECTOR ASSEMBLY,FOOTSWITCH to SN 1158	1
3-	45139GT	RECEPT..SNAP-IN,4 POLE ANDERSN to SN 1158	1
3-	22432GT	ANDERSON HOUSING,15-45 AMP BLK to SN 1158	1
3-	22433GT	ANDERSON HOUSING,15-45,AMP,WHT to SN 1158	1
3-	22434GT	ANDERSON HOUSING,15-45 AMP RED to SN 1158	1
3-	45200GT	SPACER,SHORT ANDERSON to SN 1158	1
3-	45202GT	PIN,ROLL,.094 X .875 to SN 1158	1
4	32710GT	GUARD,FOOTSWITCH,W/DECAL STEEL to SN 1158	1
5	13482GT	FOOT SWITCH*** to SN 1158	1
5	20262GT	MICROSWITCH,13482 FOOTSWITCH to SN 1158	1
6	6888GT	SCREW,HHC,1/4-20 X 1 to SN 1158	6
7	6091GT	NUT, NYLOCK, 1/4-20 to SN 1158	8
8	49693GT	WASHER,FENDER,.25X1.50X.074 to SN 1158	2

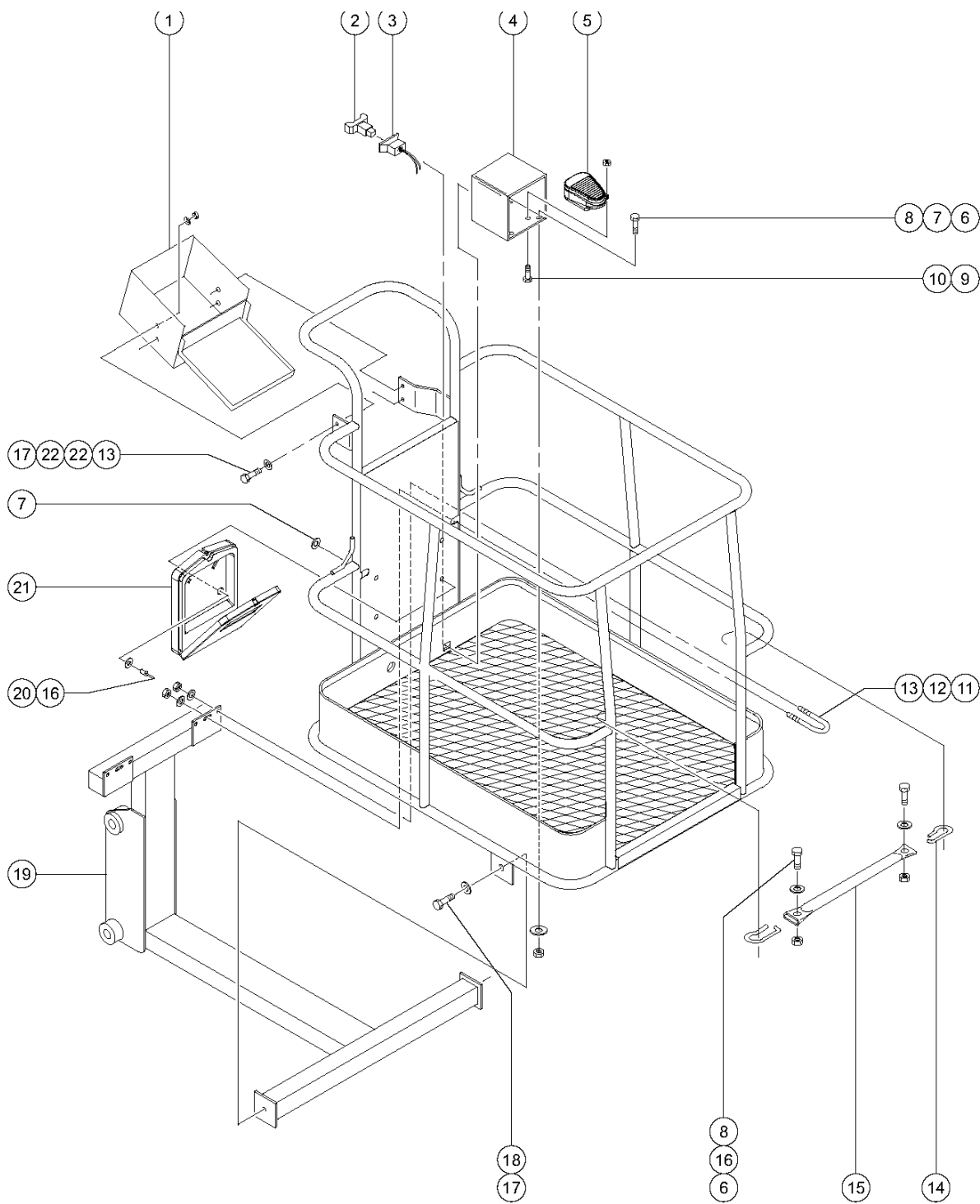
402.2 Platform Installation (Z-20/8N to SN 1158)



402.2 Platform Installation (Z-20/8N to SN 1158)

Item	Part No.	Description	Qty.
9	17626GT	SCREW,FHM,10-32 X .75 to SN 1158	2
10	6178GT	NUT, NYLOCK, 10-32 to SN 1158	2
11	6550GT	U-BOLT,3/8 X 1 YZ to SN 1158	2
12	6097GT	WASHER,FLAT,USS,3/8",Y to SN 1158	6
13	4828GT	NUT,NYLOCK,3/8-16 to SN 1158	10
14	12443GT	MIDRAIL GUIDE (HOOK) to SN 1158	1
14-	31146GT	WIRE LOOM,.413" NON-SLIT*** to SN 1158	16
14-	21121GT	CABLE TIE, 4" BLK, HEAT RESISTANT to SN 1158	
15	12447GT	TUBE-NARROW SLI.MIDRAIL-15.06 to SN 1158	1
16	6638GT	WASHER, FLAT, USS, 1/4"Y to SN 1158	10
17	6175GT	SCREW,HHC,3/8-16 X 1 to SN 1158	4
18	6021GT	WASHER,LOCK,.375 to SN 1158	2
19	44948GT	PLAT.SUPPORT ASSY. ,Z20 from SN 646 to SN 1158	
19-	46998GT	PLAT.SUPPORT W/BEARNG,Z20 to SN 645	
20	12037GT	RIVET,STL,STL,P,.25 X .5 to SN 1158	4
21	44743GT	MANUAL BOX W/DECALS*** to SN 1158	1
22	5397GT	WASHER,FLAT,USS,5/16",Y to SN 1158	8

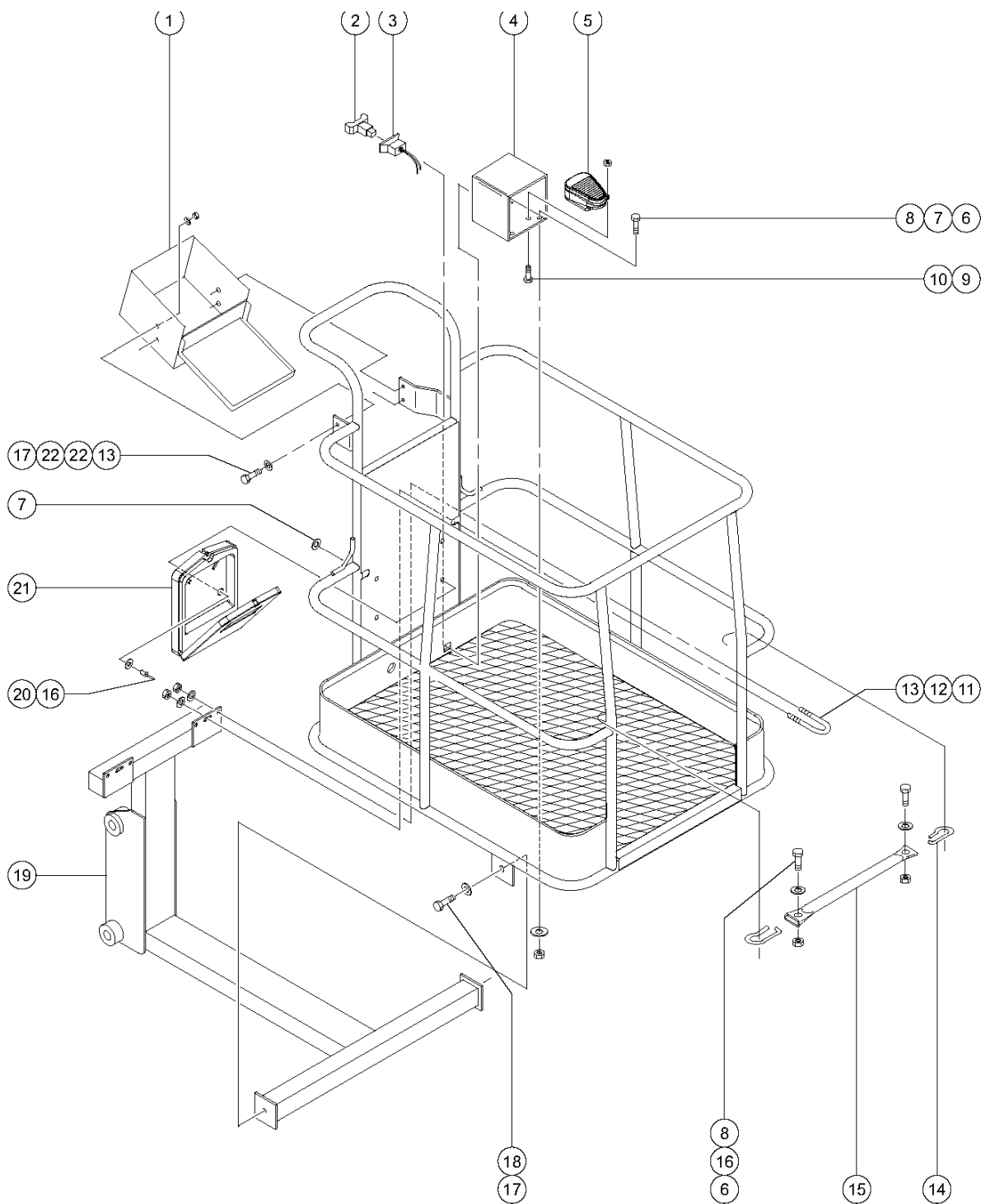
402.3 Platform Installation (Z-25/8 to SN 169)



402.3 Platform Installation (Z-25/8 to SN 169)

Item	Part No.	Description	Qty.
	74754GT	PLAT.ASSY.W/DECL,Z20WZ25,ANSI* ANSI and CSA models; to SN 169	
	74755GT	PLAT.ASSY.W/DECAL,Z20W,Z25,CE* CE models; to SN 169	
1	44965GT	PLAT.CONTROL BOX W/DECAL, Z20 to SN 169	1
1-	42151GT	GASKET,PLAT.CONTROL BOX Z20 to SN 169	1
2	44966GT	FOOTSWITCH WIRE ASSY, Z20N to SN 169	1
2-	45313GT	PLUG,W/LATCH,4 POLE,ANDERSON to SN 169	1
2-	22431GT	TERMINAL,ANDERSON,30A 12-16 GA to SN 169	1
2-	22432GT	ANDERSON HOUSING,15-45 AMP BLK to SN 169	1
2-	22433GT	ANDERSON HOUSING,15-45,AMP,WHT to SN 169	1
2-	22434GT	ANDERSON HOUSING,15-45 AMP RED to SN 169	1
2-	45201GT	SPACER,LONG ANDERSON to SN 169	1
2-	45202GT	PIN,ROLL,.094 X .875 to SN 169	1
2-	6562GT	WIRE CABLE,16/4 SJO,BULK to SN 169	82
3	29431GT	CONNECTOR ASSEMBLY,FOOTSWITCH to SN 169	1
3-	45139GT	RECEPT.,SNAP-IN,4 POLE ANDERSN to SN 169	1
3-	22432GT	ANDERSON HOUSING,15-45 AMP BLK to SN 169	1
3-	22433GT	ANDERSON HOUSING,15-45,AMP,WHT to SN 169	1
3-	22434GT	ANDERSON HOUSING,15-45 AMP RED to SN 169	1
3-	45200GT	SPACER,SHORT ANDERSON to SN 169	1
3-	45202GT	PIN,ROLL,.094 X .875 to SN 169	1
4	32710GT	GUARD,FOOTSWITCH,W/DECAL STEEL to SN 169	1
5	13482GT	FOOT SWITCH*** to SN 169	1
5-	20262GT	MICROSWITCH,13482 FOOTSWITCH to SN 169	1
6	6888GT	SCREW,HHC,1/4-20 X 1 to SN 169	6
7	6091GT	NUT, NYLOCK, 1/4-20 to SN 169	8
8	49693GT	WASHER,FENDER,.25X1.50X.074 to SN 169	2
9	17626GT	SCREW,FHM,10-32 X .75 to SN 169	2
10	6178GT	NUT, NYLOCK, 10-32 to SN 169	2

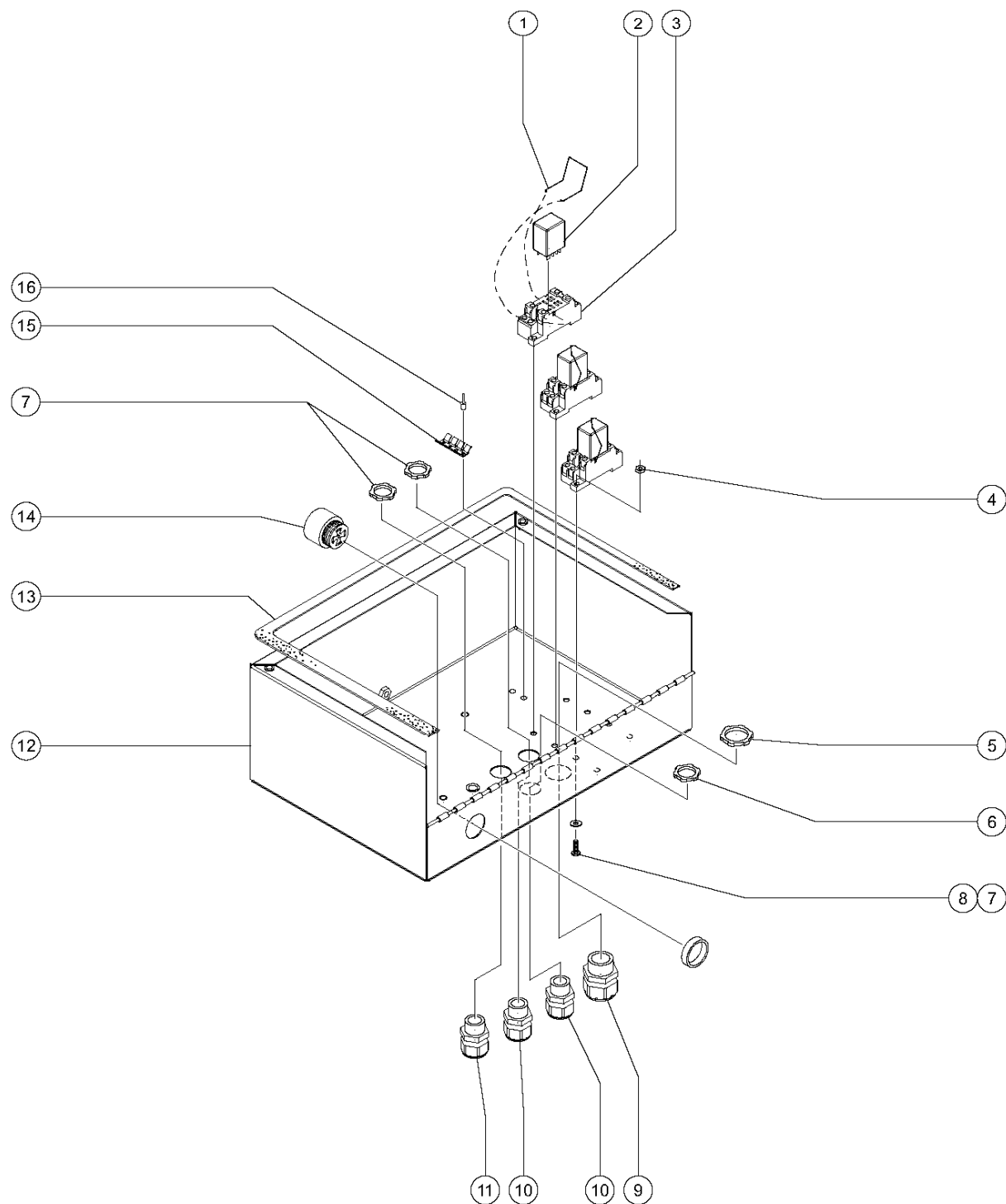
402.3 Platform Installation (Z-25/8 to SN 169)



402.3 Platform Installation (Z-25/8 to SN 169)

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
11	6550GT	U-BOLT, 3/8 X 1 YZ to SN 169	2
12	6097GT	WASHER, FLAT, USS, 3/8", Y to SN 169	6
13	4828GT	NUT, NYLOCK, 3/8-16 to SN 169	10
14	12443GT	MIDRAIL GUIDE (HOOK) to SN 169	1
14-	31146GT	WIRE LOOM, .413" NON-SLIT*** to SN 169	16
14-	21121GT	CABLE TIE, 4" BLK, HEAT RESISTANT to SN 169	
15	12447GT	TUBE-NARROW SLI.MIDRAIL-15.06 to SN 169	1
16	6638GT	WASHER, FLAT, USS, 1/4"Y to SN 169	10
17	6175GT	SCREW, HHC, 3/8-16 X 1 to SN 169	4
18	6021GT	WASHER, LOCK, .375 to SN 169	2
19	46998GT	PLAT.SUPPORT W/BEARNG,Z20 to SN 170	1
20	12037GT	RIVET, STL, STL,P, .25 X .5 to SN 169	4
21	44743GT	MANUAL BOX W/DECALS*** to SN 169	1
22	5397GT	WASHER, FLAT, USS, 5/16", Y to SN 169	8

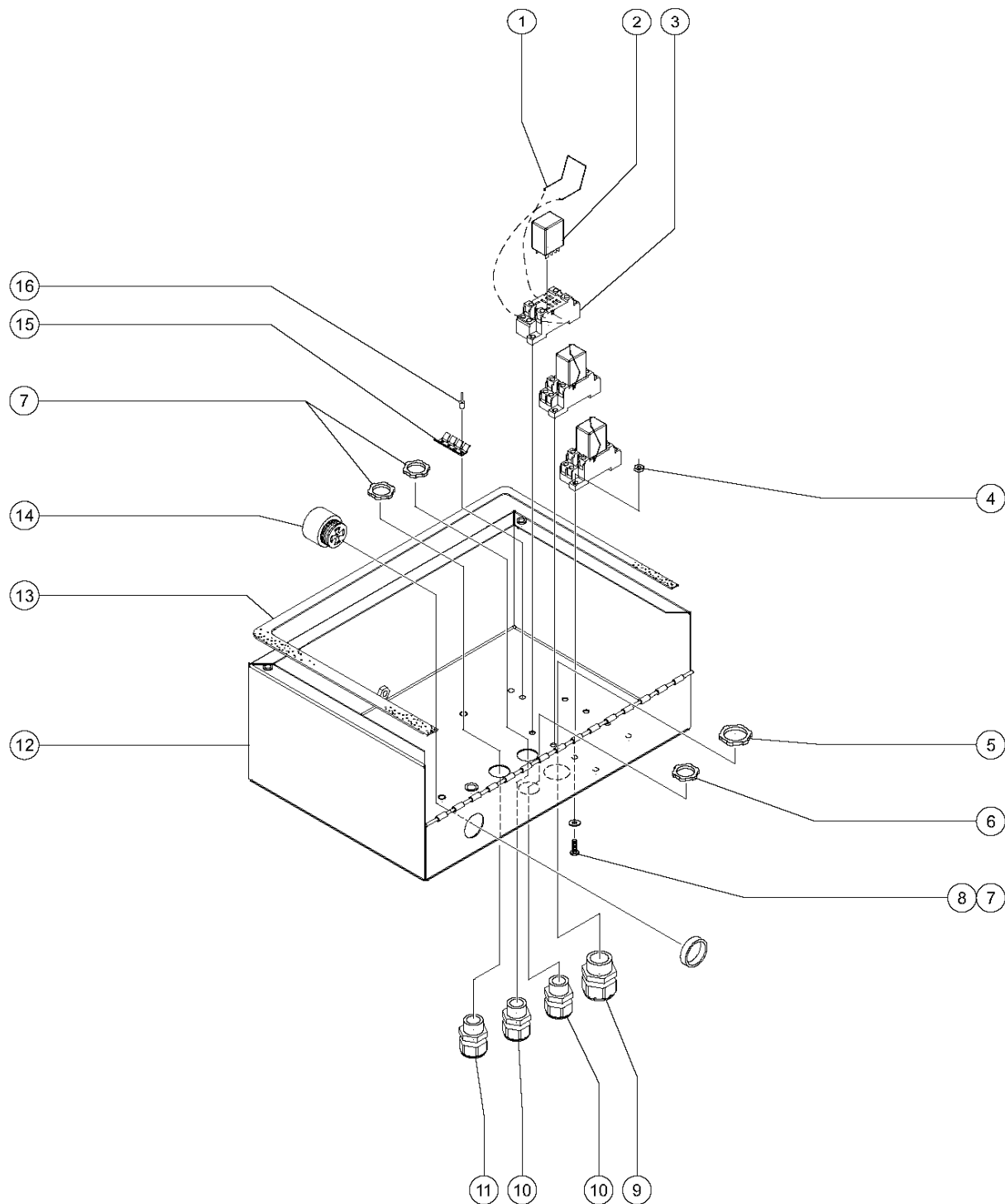
403.1 Platform Controls, View 1 (Z-20/8 from SN 105)



403.1 Platform Controls, View 1 (Z-20/8 from SN 105)

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
1	42617GT	CLIP,SPRING,POTTER BRUMFIELD from SN 114	3
1	33609GT	RELAY,HOLD DOWN,OMRON to SN 113	6
2	42616GT	RELAY,POTTER BRUMFIELD 24V ** from SN 114	3
2	42616GT	RELAY,POTTER BRUMFIELD 24V ** to SN 113	3
3	33608GT	RELAY,SOCKET,OMRON to SN 113	3
4	6178GT	NUT, NYLOCK, 10-32 to SN 113	6
5	14041GT	LOCKNUT,ELECTRIC,3/4" to SN 113	1
6	6935GT	CONN, SQZ, 1/2NPT, LOCKNUT to SN 113	3
7	49816GT	SCREW,PHILLIPS,PHM,10-32 X .75 to SN 113	6
8	6146GT	WASHER,FLAT,MS,#10,Y to SN 113	6
9	12960GT	CABLE SQUEEZE CONN.,XTRA LRG to SN 113	1
10	7057GT	CONN. SQZ,1/2NPT .39-.56 MED to SN 113	2
11	7056GT	CONN, SQZ, 1/2NPT, 0.38-0.50,SM to SN 113	1
12	74317GT	CONTROL BOX,PLATFORM includes index number 13	1
13	36235GT	GASKET,PLAT.CONTROL BOX to SN 113	1
14	45383GT	ALARM,WARBLE TONE 5-30 VDC*** Does not include 72326 nut	1
14-	72326GT	NUT - PLASTIC,RING FOR ALARMS to SN 113	1
15	56663GT	TERMINAL STRIP to SN 113	1
16	6272GT	RIVET,STL,STL,P,.125 X .25 to SN 113	2

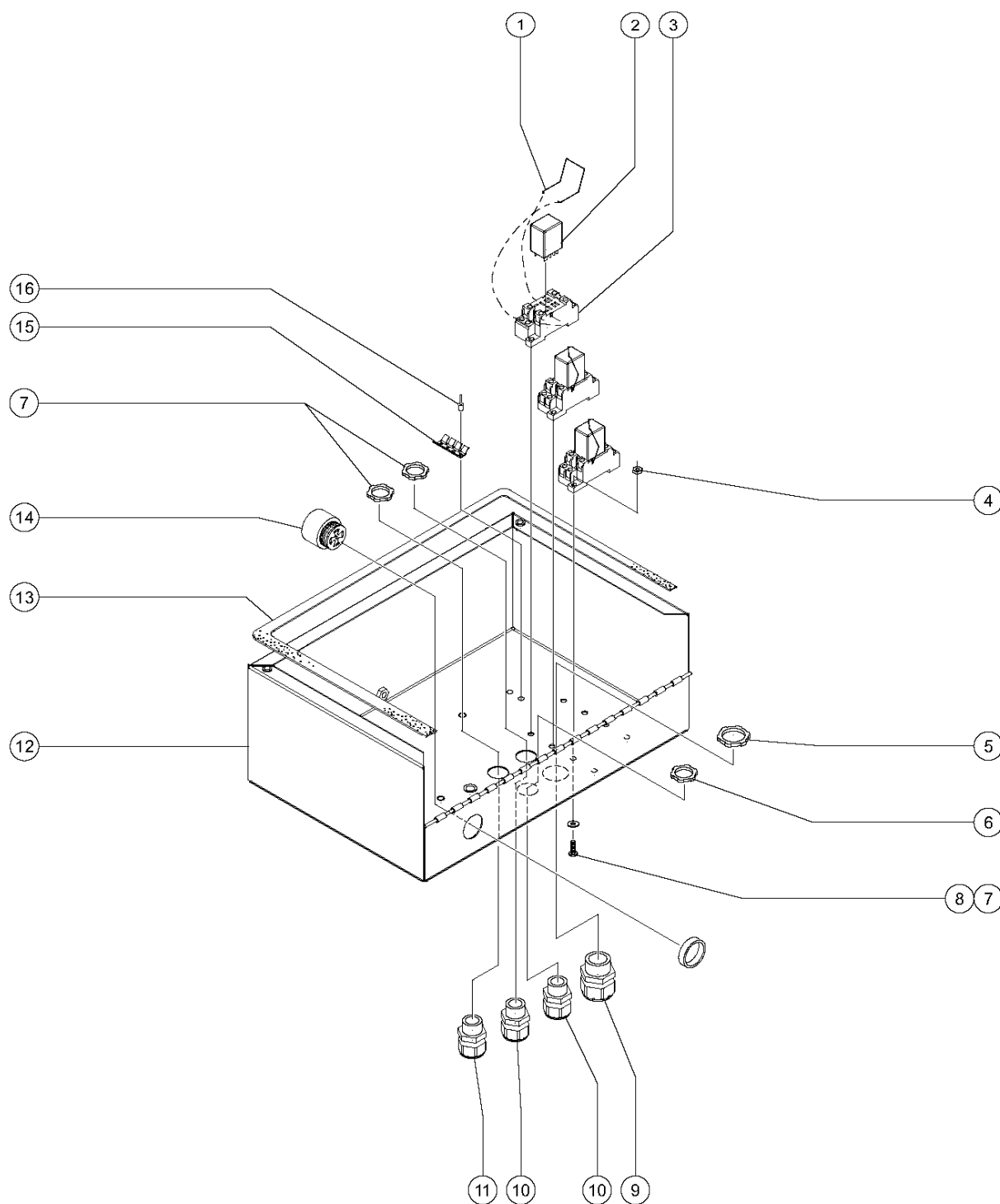
403.2 Platform Controls, View 1 (Z-20/8N from SN 1159)



403.2 Platform Controls, View 1 (Z-20/8N from SN 1159)

Item	Part No.	Description	Qty.
1	42617GT	CLIP, SPRING, POTTER BRUMFIELD from SN 1159	3
2	42616GT	RELAY, POTTER BRUMFIELD 24V ** from SN 1159	3
3	33608GT	RELAY, SOCKET, OMRON from SN 1159	3
4	6178GT	NUT, NYLOCK, 10-32 from SN 1159	6
5	14041GT	LOCKNUT, ELECTRIC, 3/4" from SN 1159	1
6	6935GT	CONN, SQZ, 1/2NPT, LOCKNUT from SN 1159	3
7	49816GT	SCREW, PHILLIPS, PHM, 10-32 X .75 from SN 1159	6
8	6146GT	WASHER, FLAT, MS, #10, Y from SN 1159	6
9	12960GT	CABLE SQUEEZE CONN., XTRA LRG from SN 1159	1
10	7057GT	CONN, SQZ, 1/2NPT .39-.56 MED from SN 1159	2
11	7056GT	CONN, SQZ, 1/2NPT, 0.38-0.50, SM from SN 1159	1
12	74317GT	CONTROL BOX, PLATFORM includes index number 13; from SN 1159	1
13	36235GT	GASKET, PLAT. CONTROL BOX from SN 1159	1
14	45383GT	ALARM, WARBLE TONE 5-30 VDC*** from SN 1159 (does not include 72326 nut)	1
14-	72326GT	NUT - PLASTIC, RING FOR ALARMS from SN 1159	1
15	56663GT	TERMINAL STRIP from SN 1159	1
16	6272GT	RIVET, STL, STL, P., .125 X .25 from SN 1159	2

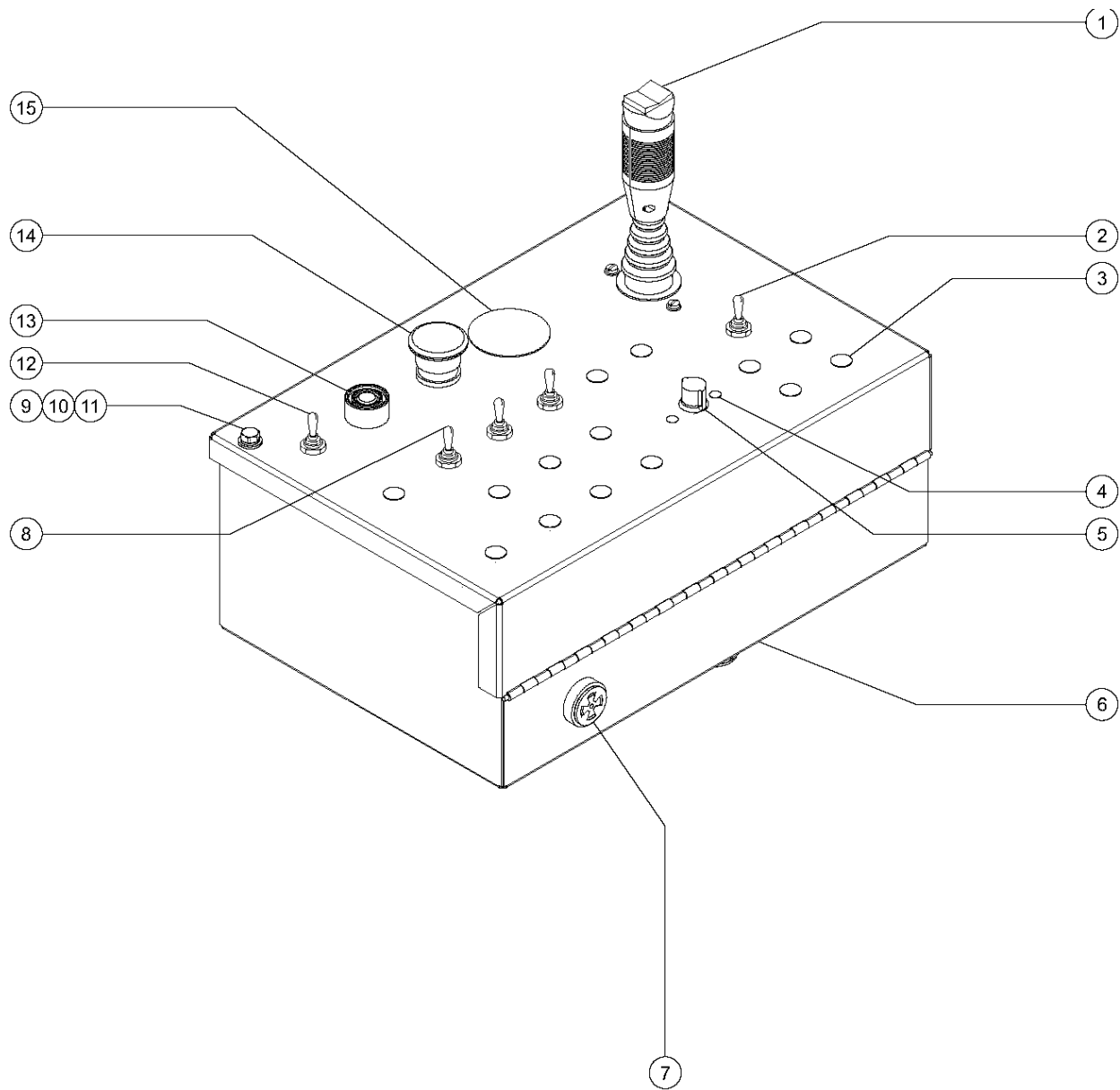
403.3 Platform Controls, View 1 (Z-25/8 from SN 170)



403.3 Platform Controls, View 1 (Z-25/8 from SN 170)

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
1	42617GT	CLIP,SPRING,POTTER BRUMFIELD	3
2	42616GT	RELAY,POTTER BRUMFIELD 24V **	3
3	33608GT	RELAY,SOCKET,OMRON	3
4	6178GT	NUT, NYLOCK, 10-32	6
5	14041GT	LOCKNUT,ELECTRIC,3/4"	1
6	6935GT	CONN, SQZ, 1/2NPT, LOCKNUT	3
7	49816GT	SCREW,PHILLIPS,PHM,10-32 X .75	6
8	6146GT	WASHER,FLAT,MS,#10,Y	6
9	12960GT	CABLE SQUEEZE CONN.,XTRA LRG	1
10	7057GT	CONN. SQZ,1/2NPT .39-.56 MED	2
11	7056GT	CONN, SQZ, 1/2NPT, 0.38-0.50,SM	1
12	74317GT	CONTROL BOX,PLATFORM includes index number 13	1
13	36235GT	GASKET,PLAT.CONTROL BOX	1
14	45383GT	ALARM,WARBLE TONE 5-30 VDC*** Does not include 72326 nut	1
14-	72326GT	NUT - PLASTIC,RING FOR ALARMS	
15	56663GT	TERMINAL STRIP	1
16	6272GT	RIVET,STL,STL,P,.125 X .25	2

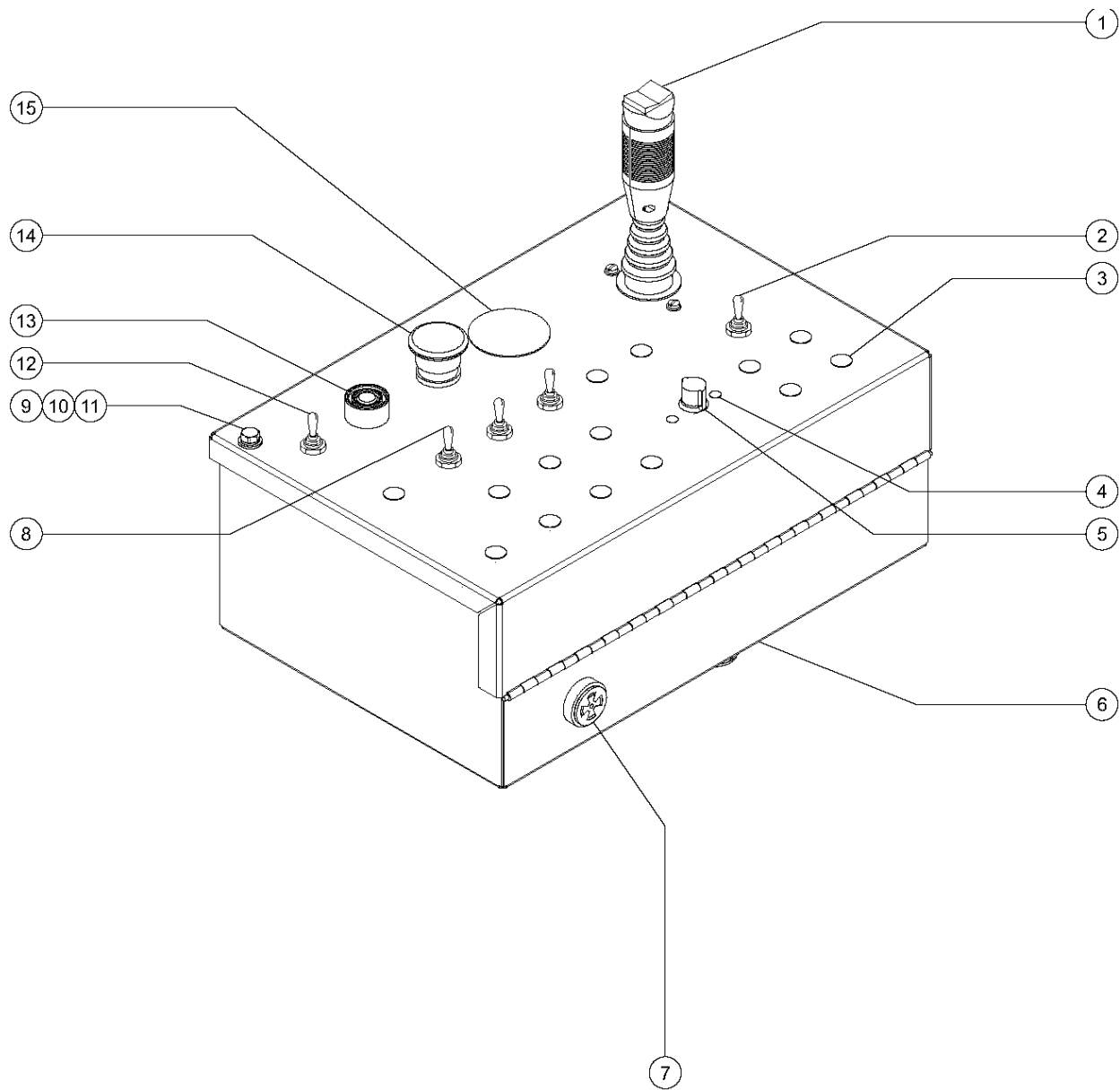
404.1 Platform Controls, View 2 (Z-20/8 from SN 105)



404.1 Platform Controls, View 2 (Z-20/8 from SN 105)

Item	Part No.	Description	Qty.
1	36867GT	JOYSTICK,CONTROLLER 24V	1
2	42730-SGT	SWITCH,TOGGLE SPDT,2POS MOMEN includes mounting fasteners	1
2-	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1
2-	54692GT	SPACER,NYLON,.718 X .526 X.219	1
3	45384GT	PLUG,NYLON .50 BLACK DOMED	12
4	42781GT	PLUG, NYLON .250 BLACK DOMED	2
5	42427GT	POTENTIOMETER ASSEMBLY, 0-20K*	1
5-	44992GT	KNOB,POTENTIOMETER, 42427	1
6	74317GT	CONTROL BOX,PLATFORM	1
6-	36235GT	GASKET,PLAT.CONTROL BOX	1
7	45383GT	ALARM,WARBLE TONE 5-30 VDC*** Does not include 72326 nut	1
7-	72326GT	NUT - PLASTIC,RING FOR ALARMS	1
8	16397-SGT	SWITCH,TOGGLE,DPDT,3POS MOMEN	3
8-	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1
8-	54692GT	SPACER,NYLON,.718 X .526 X.219	1
9	6090GT	SCREW, HHC, 1/4-20 X .75	2
10	6356GT	WASHER,LOCK,.25	2
11	6638GT	WASHER, FLAT, USS, 1/4"Y	2
12	42730-SGT	SWITCH,TOGGLE SPDT,2POS MOMEN includes mounting fasteners	1
12-	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1
12-	54692GT	SPACER,NYLON,.718 X .526 X.219	1
13	122513GT	KIT,HORN SVC BB&SM BOOM	1
13-	66813GT	BUTTON,PUSH,BLACK W/SEAL***	1
13-	66815GT	BASE, W/1 N.O. CONTACTS***	1
13-	66816GT	CONTACT,N.O.***	1
14	122514GT	KIT,ESTOP SVC BB&SM BOOM	1
14-	66821GT	BASE,WITHOUT CONTACTS	1
14-	66818GT	CONTACT,NC	2

404.1 Platform Controls, View 2 (Z-20/8 from SN 105)

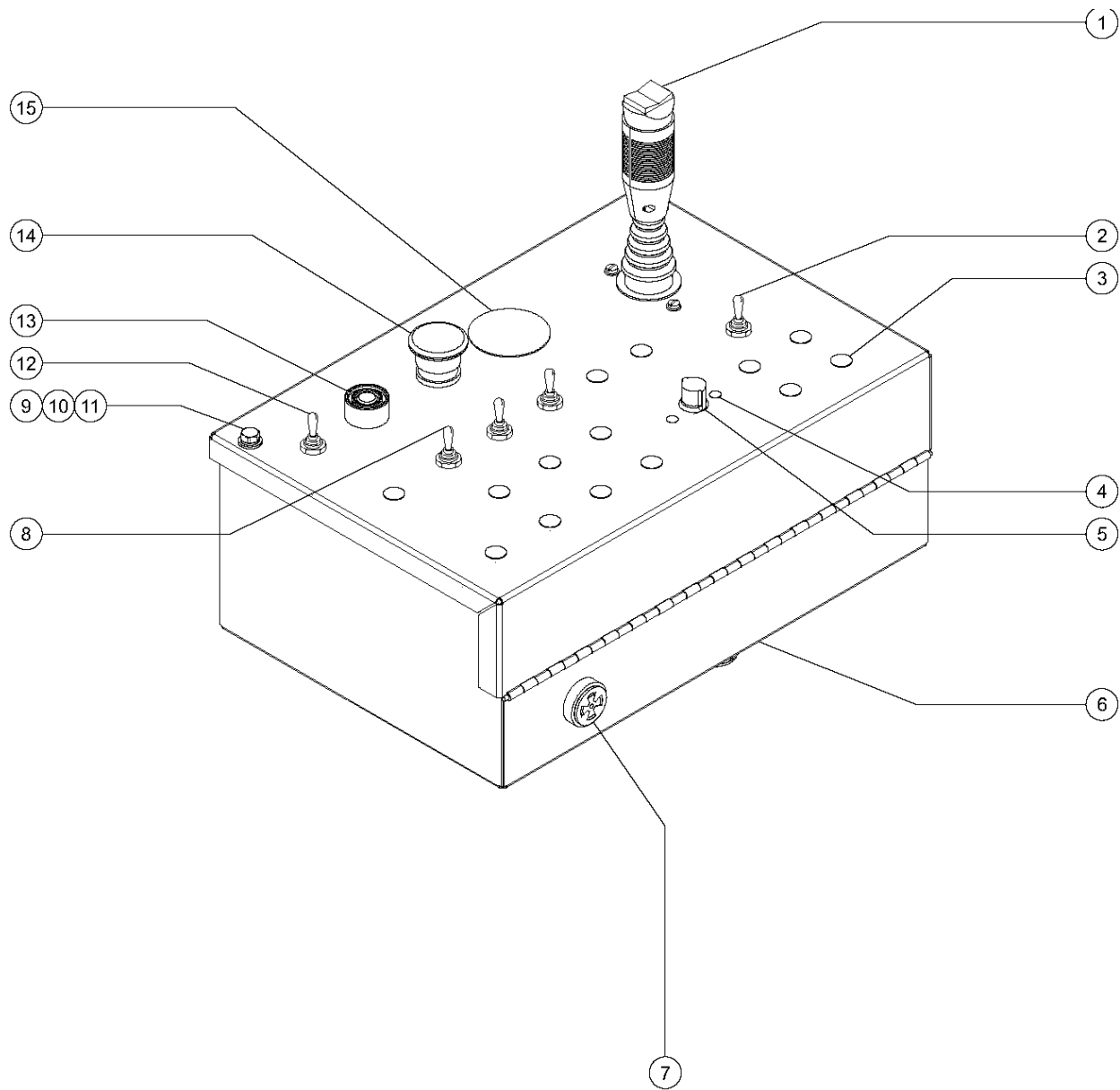


404.1 Platform Controls, View 2 (Z-20/8 from SN 105)

Item	Part No.	Description	Qty.
15	45840GT	PLUG,NYLON 2.00 BLACK DOMED	1
15-	19506GT	HOUR METER, 10-80 VOLTS*** includes fuse and fuse holder	1
15-	237145GT	IND,BAT CHARGE,48V LEAD-ACID includes mounting bracket and fasteners	1
15-	13097GT	FUSE,10 AMP	1
15-	23083-SGT	FUSE HOLDER,WATERPROOF	1



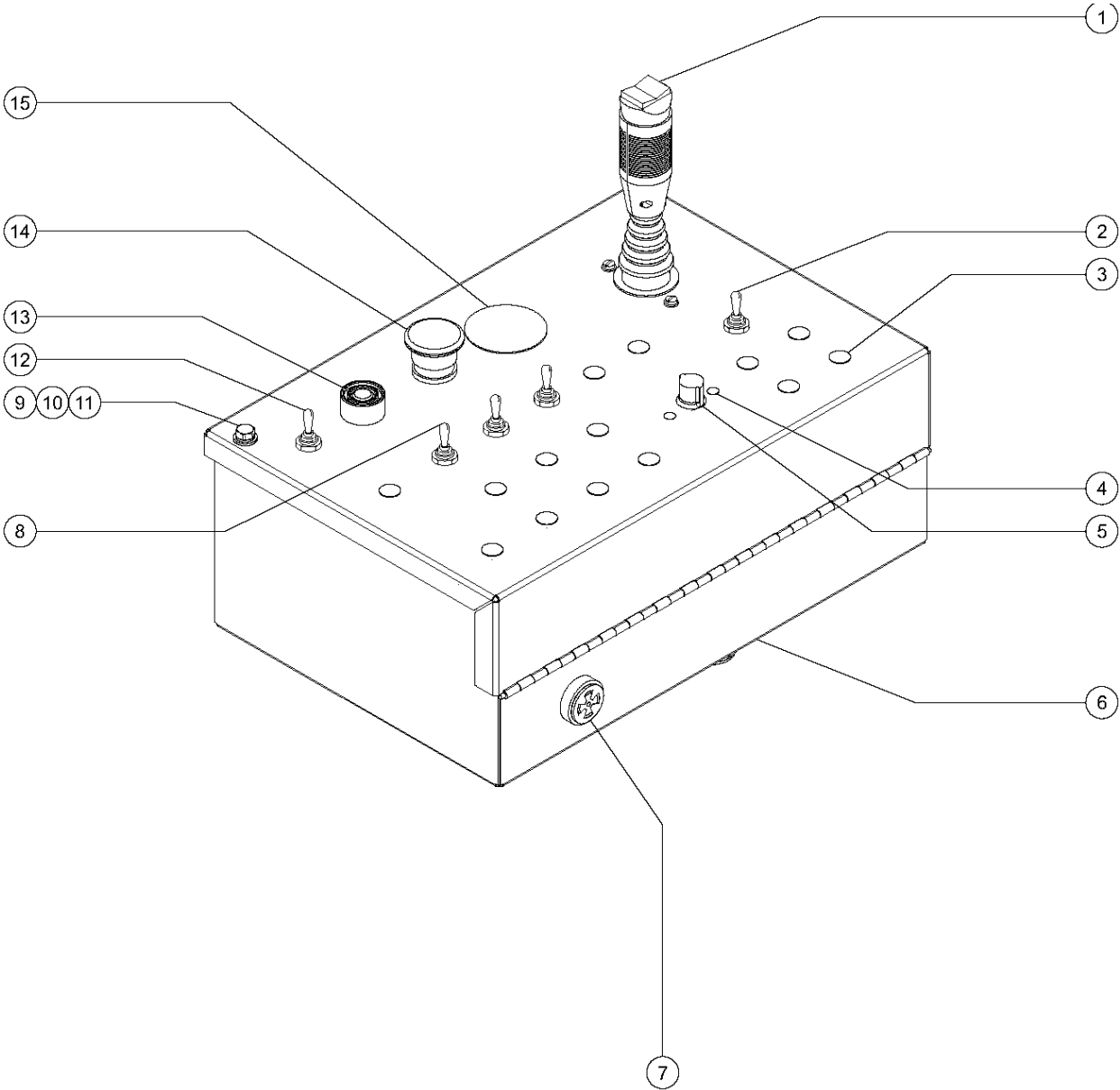
404.2 Platform Controls, View 2 (Z-20/8N from SN 1159)



404.2 Platform Controls, View 2 (Z-20/8N from SN 1159)

Item	Part No.	Description	Qty.
1	36867GT	JOYSTICK,CONTROLLER 24V	1
2	42730-SGT	SWITCH,TOGGLE SPDT,2POS MOMEN includes mounting fasteners	1
2	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1
2	54692GT	SPACER,NYLON,.718 X .526 X.219	1
3	45384GT	PLUG,NYLON .50 BLACK DOMED	12
4	42781GT	PLUG, NYLON .250 BLACK DOMED	2
5	42427GT	POTENTIOMETER ASSEMBLY, 0-20K*	1
5	44992GT	KNOB,POTENTIOMETER, 42427	1
6	74317GT	CONTROL BOX,PLATFORM	1
6	36235GT	GASKET,PLAT.CONTROL BOX	1
7	45383GT	ALARM,WARBLE TONE 5-30 VDC*** Does not include 72326 nut	1
7-	72326GT	NUT - PLASTIC,RING FOR ALARMS	1
8	16397-SGT	SWITCH,TOGGLE,DPDT,3POS MOMEN	3
8	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1
8	54692GT	SPACER,NYLON,.718 X .526 X.219	1
9	6090GT	SCREW, HHC, 1/4-20 X .75	2
10	6356GT	WASHER,LOCK,.25	2
11	6638GT	WASHER, FLAT, USS, 1/4"Y	2
12	42730-SGT	SWITCH,TOGGLE SPDT,2POS MOMEN includes mounting fasteners	1
12	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1
12	54692GT	SPACER,NYLON,.718 X .526 X.219	1
13	122513GT	KIT,HORN SVC BB&SM BOOM	1
13	66815GT	BASE, W/1 N.O. CONTACTS***	1
13	66816GT	CONTACT,N.O.***	1
13	66813GT	BUTTON,PUSH,BLACK W/SEAL ***	1
14	122514GT	KIT,ESTOP SVC BB&SM BOOM	1
14	66821GT	BASE,WITHOUT CONTACTS	1
14	66818GT	CONTACT,NC	2

404.2 Platform Controls, View 2 (Z-20/8N from SN 1159)

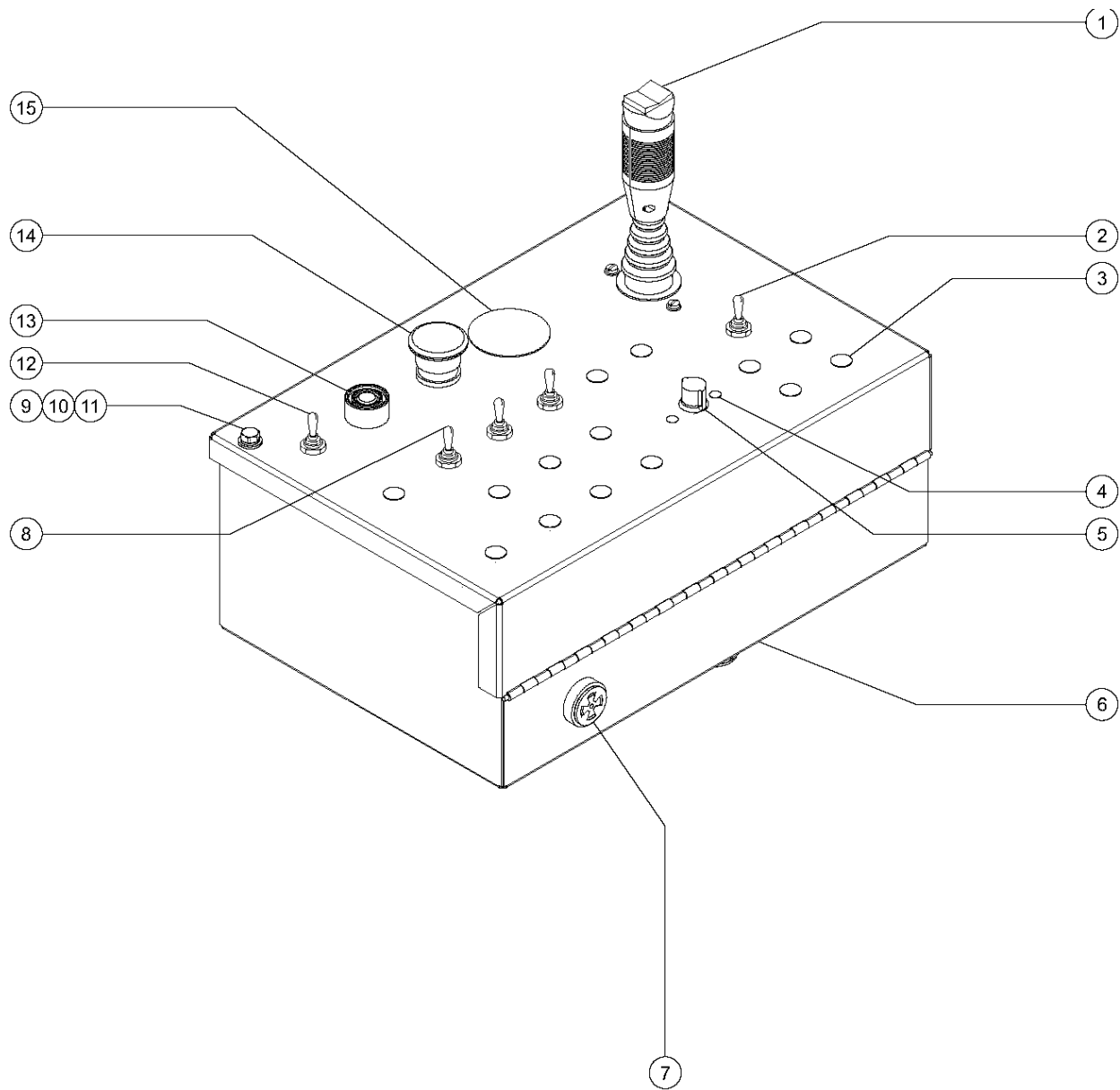


404.2 Platform Controls, View 2 (Z-20/8N from SN 1159)

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
15	45840GT	PLUG,NYLON 2.00 BLACK DOMED	1
15	19506GT	HOUR METER, 10-80 VOLTS*** includes fuse and fuse holder	1
15	237145GT	IND,BAT CHARGE,48V LEAD-ACID includes mounting bracket and fasteners	1
15	13097GT	FUSE,10 AMP	1
15	23083-SGT	FUSE HOLDER,WATERPROOF	1



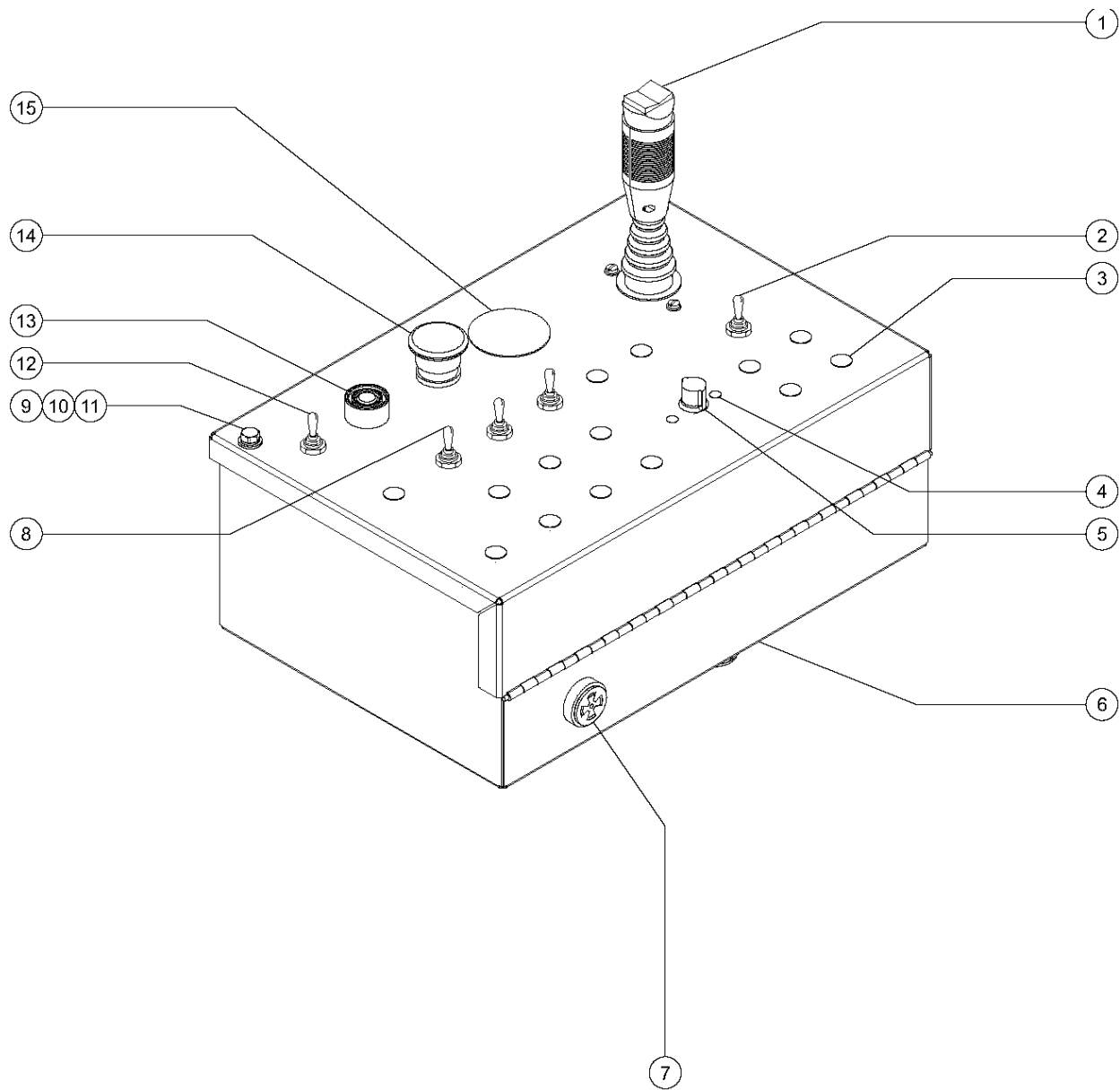
404.3 Platform Controls, View 2 (Z-25/8 from SN 170)



404.3 Platform Controls, View 2 (Z-25/8 from SN 170)

Item	Part No.	Description	Qty.
1	36867GT	JOYSTICK,CONTROLLER 24V	1
2	42730-SGT	SWITCH,TOGGLE SPDT,2POS MOMEN includes mounting fasteners	1
2	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1
2	54692GT	SPACER,NYLON,.718 X .526 X.219	1
3	45384GT	PLUG,NYLON .50 BLACK DOMED	12
4	42781GT	PLUG, NYLON .250 BLACK DOMED	2
5	42427GT	POTENTIOMETER ASSEMBLY, 0-20K*	1
5	44992GT	KNOB,POTENTIOMETER, 42427	1
6	74317GT	CONTROL BOX,PLATFORM	1
6	36235GT	GASKET,PLAT.CONTROL BOX	1
7	45383GT	ALARM,WARBLE TONE 5-30 VDC*** Does not include 72326 nut	1
7-	72326GT	NUT - PLASTIC,RING FOR ALARMS	1
8	16397-SGT	SWITCH,TOGGLE,DPDT,3POS MOMEN	3
8	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1
8	54692GT	SPACER,NYLON,.718 X .526 X.219	1
9	6090GT	SCREW, HHC, 1/4-20 X .75	2
10	6356GT	WASHER,LOCK,.25	2
11	6638GT	WASHER, FLAT, USS, 1/4"Y	2
12	42730-SGT	SWITCH,TOGGLE SPDT,2POS MOMEN includes mounting fasteners	1
12	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1
12	54692GT	SPACER,NYLON,.718 X .526 X.219	1
13	122513GT	KIT,HORN SVC BB&SM BOOM	1
13	66813GT	BUTTON,PUSH,BLACK W/SEAL***	1
13	66815GT	BASE, W/1 N.O. CONTACTS***	1
13	66816GT	CONTACT,N.O.***	1
14	122514GT	KIT,ESTOP SVC BB&SM BOOM	1
14	66821GT	BASE,WITHOUT CONTACTS	1
14	66818GT	CONTACT,NC	1

404.3 Platform Controls, View 2 (Z-25/8 from SN 170)

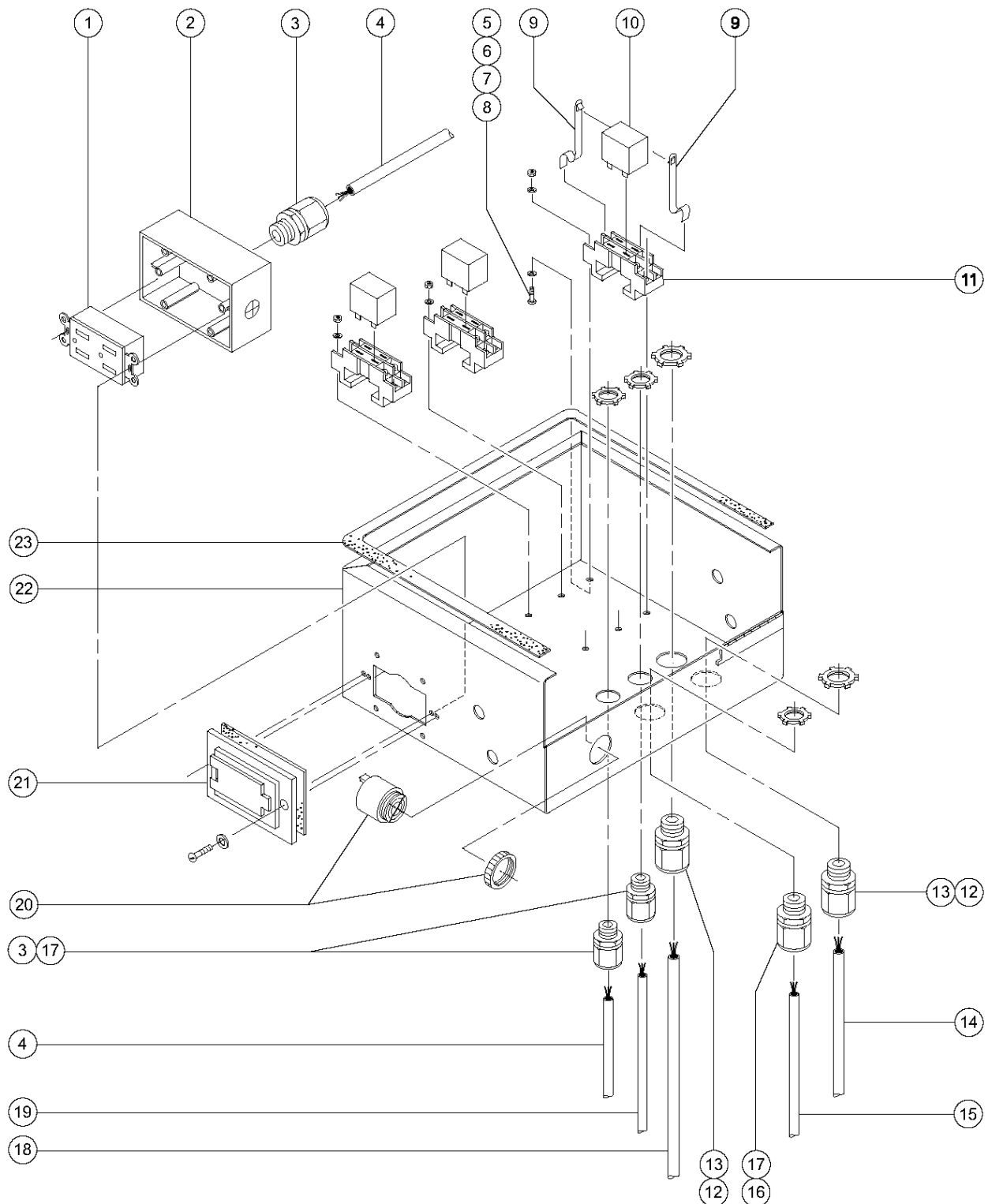


404.3 Platform Controls, View 2 (Z-25/8 from SN 170)

Item	Part No.	Description	Qty.
15	45840GT	PLUG,NYLON 2.00 BLACK DOMED	1
15	19506GT	HOUR METER, 10-80 VOLTS*** includes fuse and fuse holder	1
15	237145GT	IND,BAT CHARGE,48V LEAD-ACID includes mounting bracket and fasteners	1
15	13097GT	FUSE,10 AMP	1
15	23083-SGT	FUSE HOLDER,WATERPROOF	1



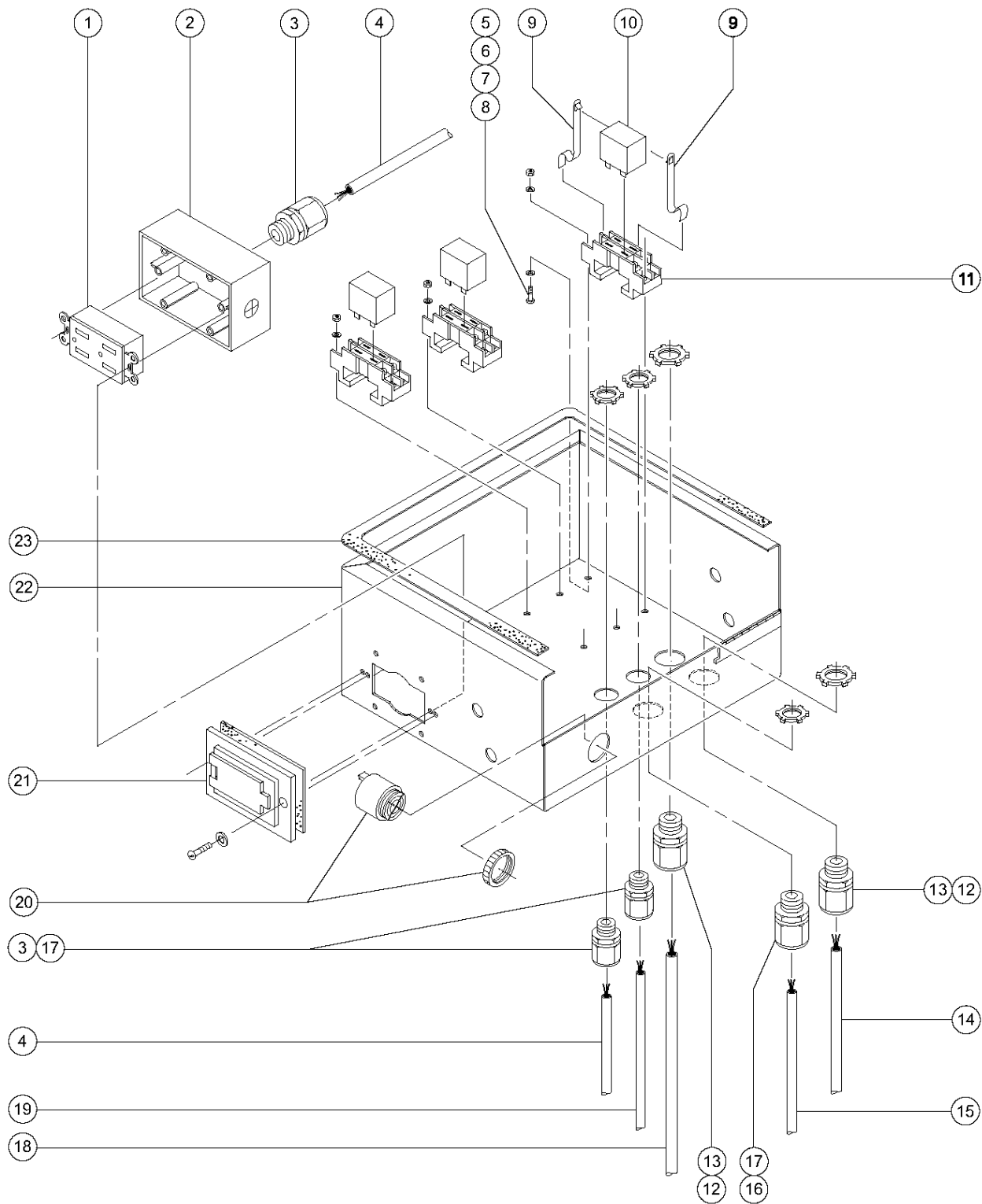
405.1 Platform Controls, View 1 (Z-20/8 to SN 104)



405.1 Platform Controls, View 1 (Z-20/8 to SN 104)

Item	Part No.	Description	Qty.
1	13585GT	OUTLET 110V North America	1
1	35003GT	RECEPTACLE, BRITISH, 110V UK	1
2	10775GT	T-BOX, 2.75 X 4.5 X 2.0	1
3	7056GT	CONN, SQZ, 1/2NPT, 0.38-0.50, SM	3
4	43956GT	WIRE CABLE, 14/GA/3 CON. TPE JKT*	348
5	49816GT	SCREW, PHILLIPS, PHM, 10-32 X .75	6
6	6146GT	WASHER, FLAT, MS, #10, Y	6
7	6607GT	WASHER, LOCK, #10 PLTD	6
8	6178GT	NUT, NYLOCK, 10-32	6
9	33609GT	RELAY, HOLD DOWN, OMRON	6
10	42616GT	RELAY, POTTER BRUMFIELD 24V **	3
11	33608GT	RELAY, SOCKET, OMRON	3
12	12960GT	CABLE SQUEEZE CONN., XTRA LRG	2
13	14041GT	LOCKNUT, ELECTRIC, 3/4"	2
14	35934GT	WIRE CABLE, 18/19 CON. TPRJKT	384
15	42587GT	WIRE CABLE, 18GA/7CON TPR JKT	384
16	7057GT	CONN. SQZ, 1/2NPT .39-.56 MED	1
17	6935GT	CONN, SQZ, 1/2NPT, LOCKNUT	1
18	42587GT	WIRE CABLE, 18GA/7CON TPR JKT	132
19	56051GT	WIRE CABLE, 16/2, WHT/BLK, SJEOW	84
20	45383GT	ALARM, WARBLE TONE 5-30 VDC***	1
		Does not include 72326 nut	
20-	72326GT	NUT - PLASTIC, RING FOR ALARMS	1
21	74006GT	COVER, GFCI, HORIZONTAL, WEATHER	1
		includes mounting fasteners and gasket; North America	
21	74052GT	GASKET, COVER, GFCI, WEATHERPROOF	1
21	63375GT	SCREW, FHM, 6-32 X .75	1
22	44965GT	PLAT. CONTROL BOX W/DECAL, Z20	1
		includes Index No. 23	
23	42151GT	GASKET, PLAT. CONTROL BOX Z20	1

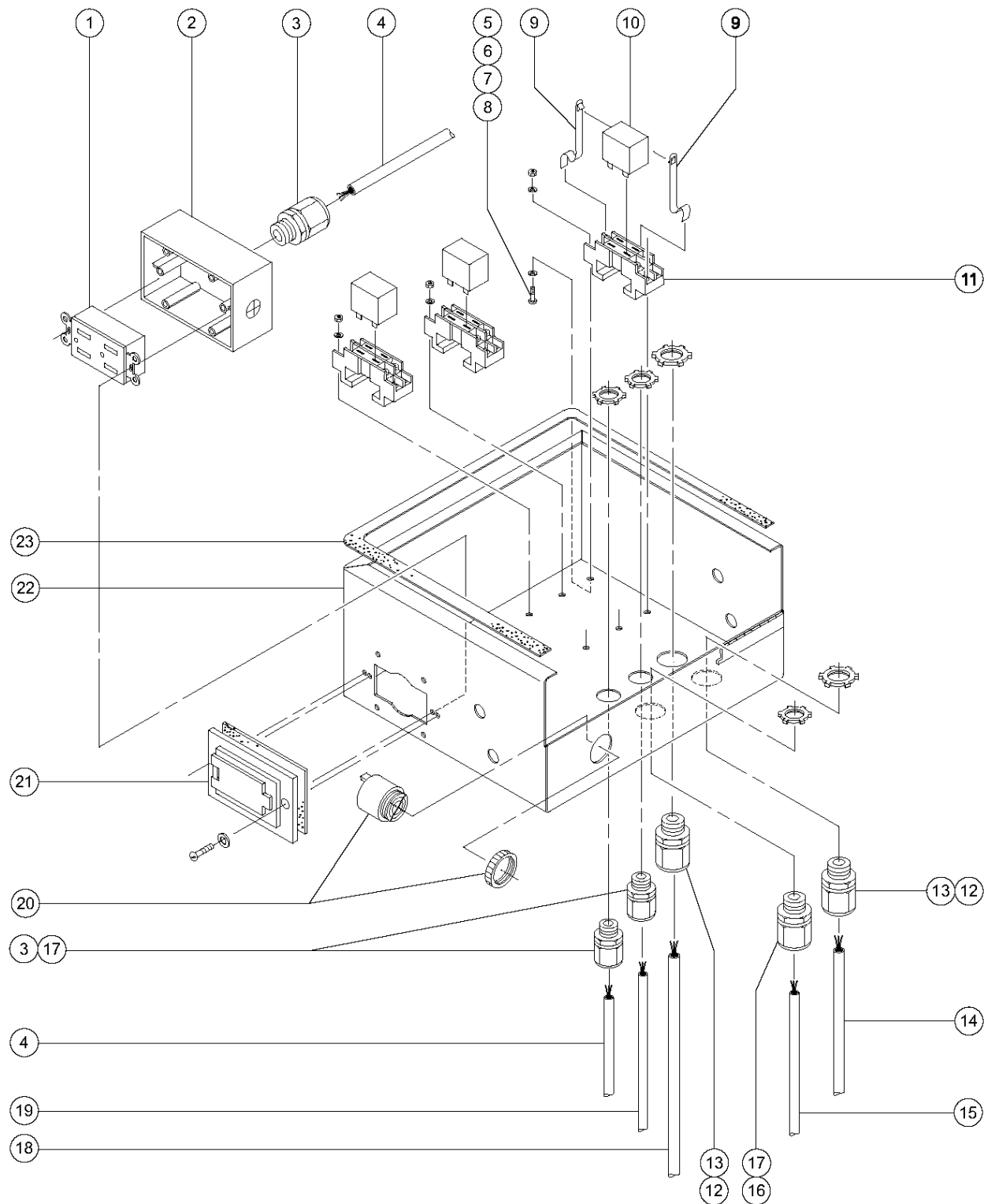
405.2 Platform Controls, View 1 (Z-20/8N to SN 1158)



405.2 Platform Controls, View 1 (Z-20/8N to SN 1158)

Item	Part No.	Description	Qty.
1	13585GT	OUTLET 110V North America	1
1	35003GT	RECEPTACLE, BRITISH, 110V UK	1
2	10775GT	T-BOX, 2.75 X 4.5 X 2.0	1
3	7056GT	CONN, SQZ, 1/2NPT, 0.38-0.50, SM	3
4	43956GT	WIRE CABLE, 14/GA/3 CON. TPE JKT*	348
5	49816GT	SCREW, PHILLIPS, PHM, 10-32 X .75	6
6	6146GT	WASHER, FLAT, MS, #10, Y	6
7	6607GT	WASHER, LOCK, #10 PLTD	6
8	6178GT	NUT, NYLOCK, 10-32	6
9	42617GT	CLIP, SPRING, POTTER BRUMFIELD from SN 387	6
9	33609GT	RELAY, HOLD DOWN, OMRON to SN 386	6
10	42616GT	RELAY, POTTER BRUMFIELD 24V ** from SN 387	3
10	42616GT	RELAY, POTTER BRUMFIELD 24V ** to SN 386	3
11	33608GT	RELAY, SOCKET, OMRON	3
12	12960GT	CABLE SQUEEZE CONN., XTRA LRG	2
13	14041GT	LOCKNUT, ELECTRIC, 3/4"	2
14	35934GT	WIRE CABLE, 18/19 CON. TPRJKT	384
15	42587GT	WIRE CABLE, 18GA/7CON TPR JKT	384
16	7057GT	CONN. SQZ, 1/2NPT .39-.56 MED	1
17	6935GT	CONN, SQZ, 1/2NPT, LOCKNUT	1
18	42587GT	WIRE CABLE, 18GA/7CON TPR JKT	132
19	56051GT	WIRE CABLE, 16/2, WHT/BLK, SJEOW	84
20	45383GT	ALARM, WARBLE TONE 5-30 VDC*** Does not include 72326 nut	1
20-	72326GT	NUT - PLASTIC, RING FOR ALARMS	1
21	74006GT	COVER, GFCI, HORIZONTAL, WEATHER includes mounting fasteners and gasket; North America	1
21	74052GT	GASKET, COVER, GFCI, WEATHERPROOF	1
21	63375GT	SCREW, FHM, 6-32 X .75	1
22	44965GT	PLAT. CONTROL BOX W/DECAL, Z20 includes Index No. 23	1

405.2 Platform Controls, View 1 (Z-20/8N to SN 1158)

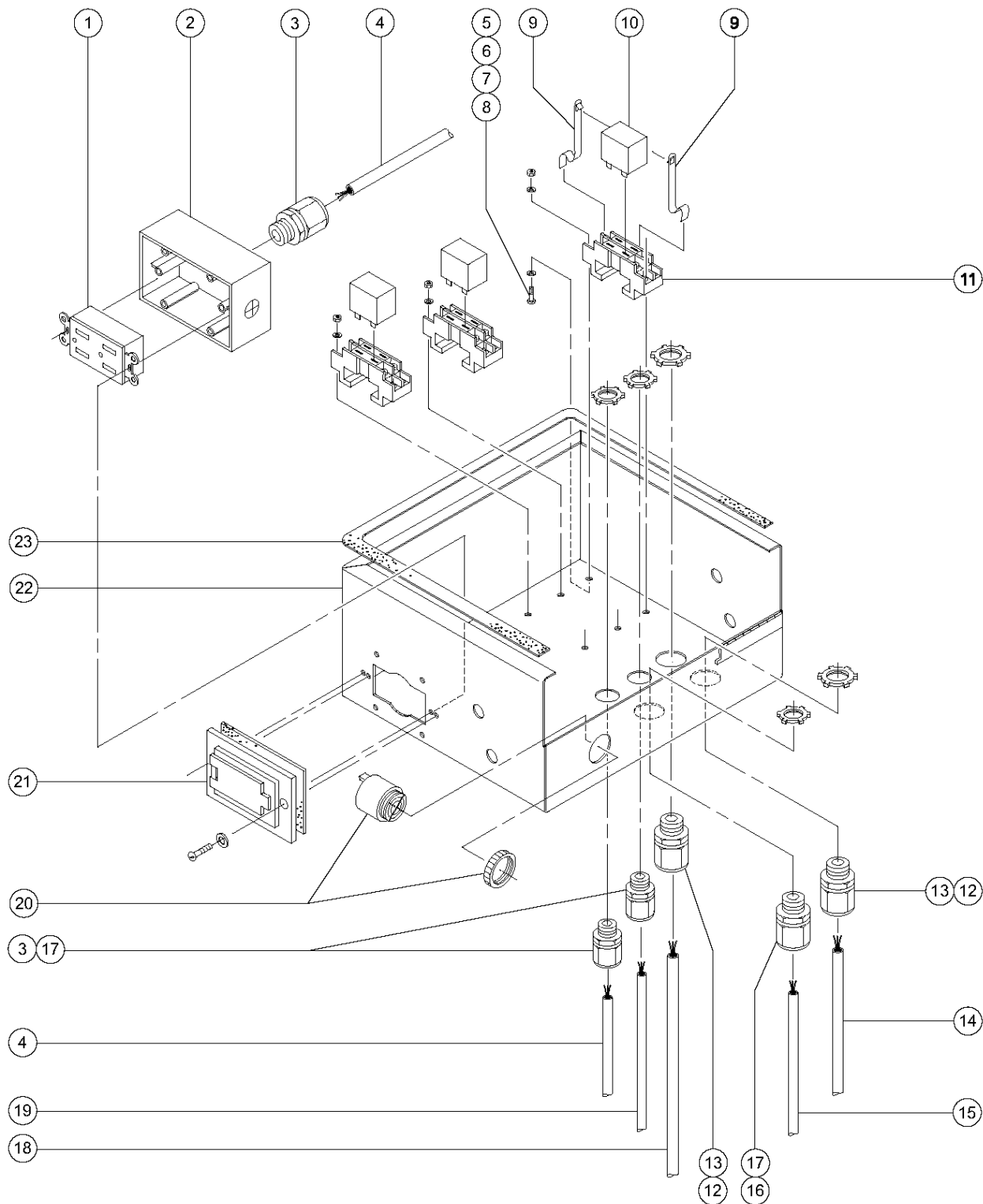


405.2 Platform Controls, View 1 (Z-20/8N to SN 1158)

Item	Part No.	Description	Qty.
23	42151GT	GASKET,PLAT.CONTROL BOX Z20	1



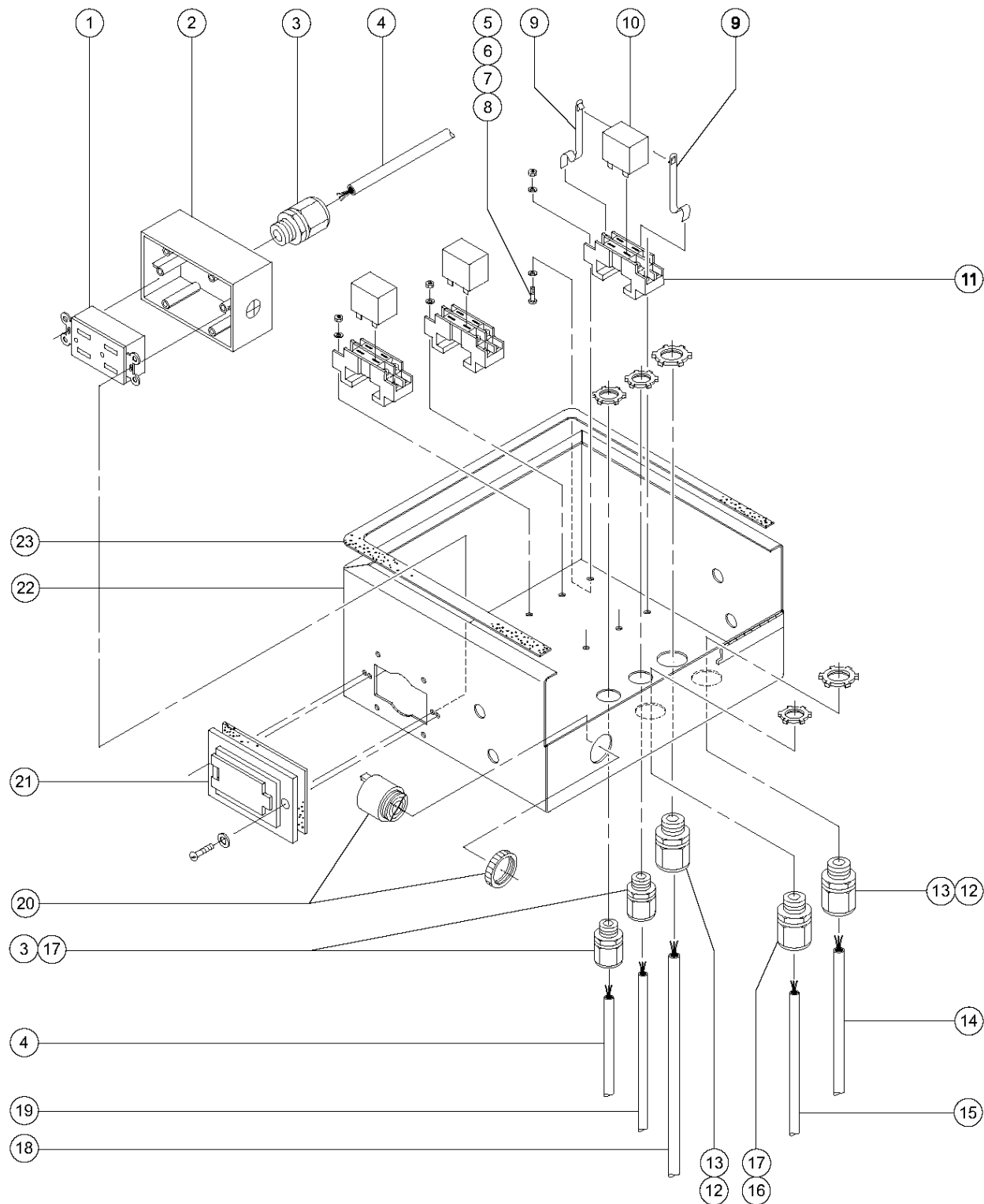
405.3 Platform Controls, View 1 (Z-25/8 to SN 169)



405.3 Platform Controls, View 1 (Z-25/8 to SN 169)

Item	Part No.	Description	Qty.
1	13585GT	OUTLET 110V North America	1
1	35003GT	RECEPTACLE, BRITISH, 110V UK	1
2	10775GT	T-BOX, 2.75 X 4.5 X 2.0	1
3	7056GT	CONN, SQZ, 1/2NPT, 0.38-0.50, SM	3
4	43956GT	WIRE CABLE, 14/GA/3 CON. TPE JKT*	348
5	49816GT	SCREW, PHILLIPS, PHM, 10-32 X .75	6
6	6146GT	WASHER, FLAT, MS, #10, Y	6
7	6607GT	WASHER, LOCK, #10 PLTD	6
8	6178GT	NUT, NYLOCK, 10-32	6
9	42617GT	CLIP, SPRING, POTTER BRUMFIELD from SN 103	6
9	33609GT	RELAY, HOLD DOWN, OMRON to SN 102	6
10	42616GT	RELAY, POTTER BRUMFIELD 24V ** from SN 103	3
10	42616GT	RELAY, POTTER BRUMFIELD 24V ** to SN 102	3
11	33608GT	RELAY, SOCKET, OMRON	3
12	12960GT	CABLE SQUEEZE CONN., XTRA LRG	2
13	14041GT	LOCKNUT, ELECTRIC, 3/4"	2
14	35934GT	WIRE CABLE, 18/19 CON. TPRJKT	384
15	42587GT	WIRE CABLE, 18GA/7CON TPR JKT	384
16	7057GT	CONN. SQZ, 1/2NPT .39-.56 MED	1
17	6935GT	CONN, SQZ, 1/2NPT, LOCKNUT	1
18	42587GT	WIRE CABLE, 18GA/7CON TPR JKT	132
19	56051GT	WIRE CABLE, 16/2, WHT/BLK, SJEOW	84
20	45383GT	ALARM, WARBLE TONE 5-30 VDC***	1
20	72326GT	NUT - PLASTIC, RING FOR ALARMS	1
21	74006GT	COVER, GFCI, HORIZONTAL, WEATHER includes mounting fasteners and gasket; North America	1
21	74052GT	GASKET, COVER, GFCI, WEATHERPROOF	1
21	63375GT	SCREW, FHM, 6-32 X .75	1
22	44965GT	PLAT. CONTROL BOX W/DECAL, Z20 includes Index No. 23	1

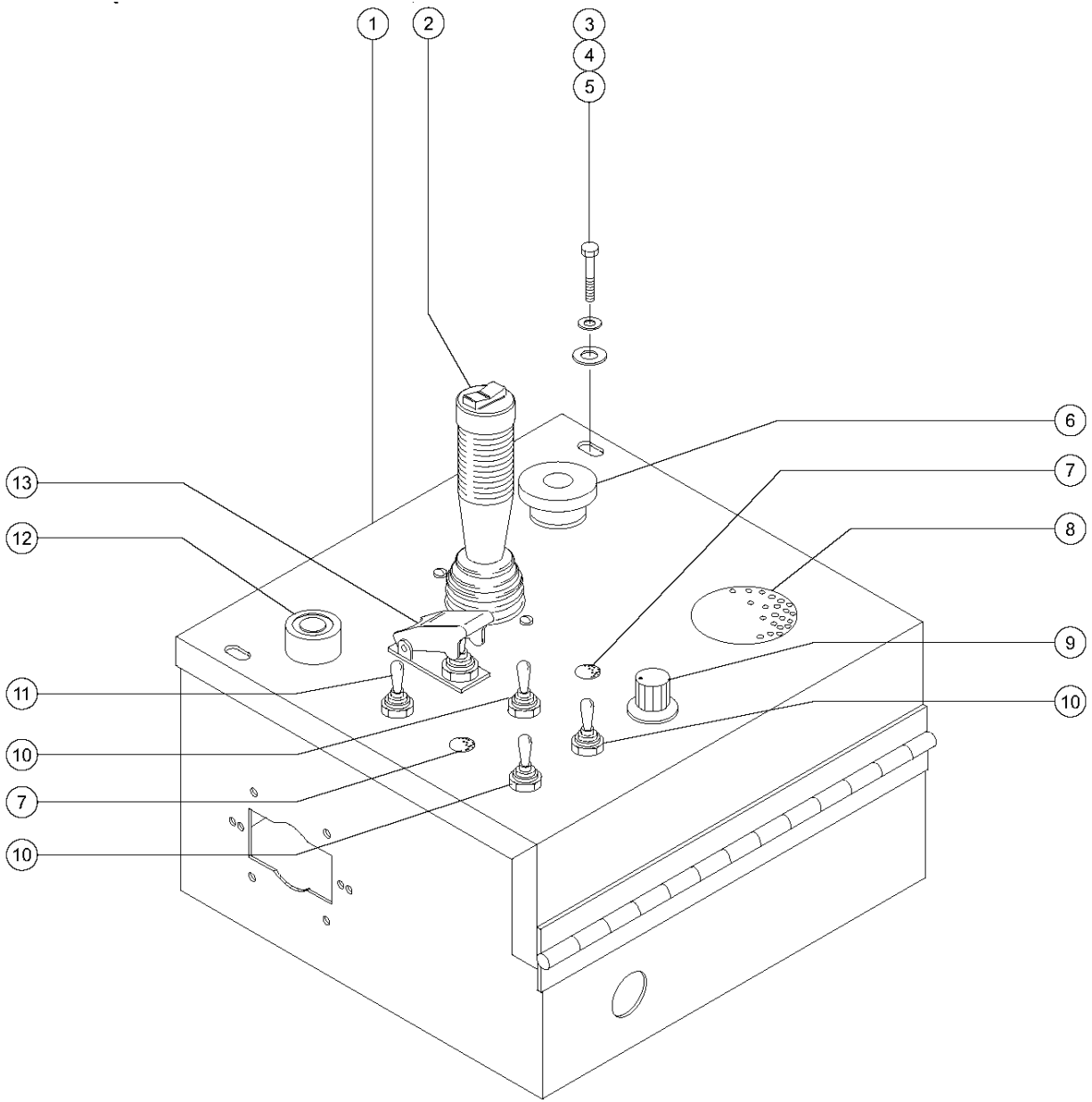
405.3 Platform Controls, View 1 (Z-25/8 to SN 169)



Item	Part No.	Description	Qty.
23	42151GT	GASKET,PLAT.CONTROL BOX Z20	1



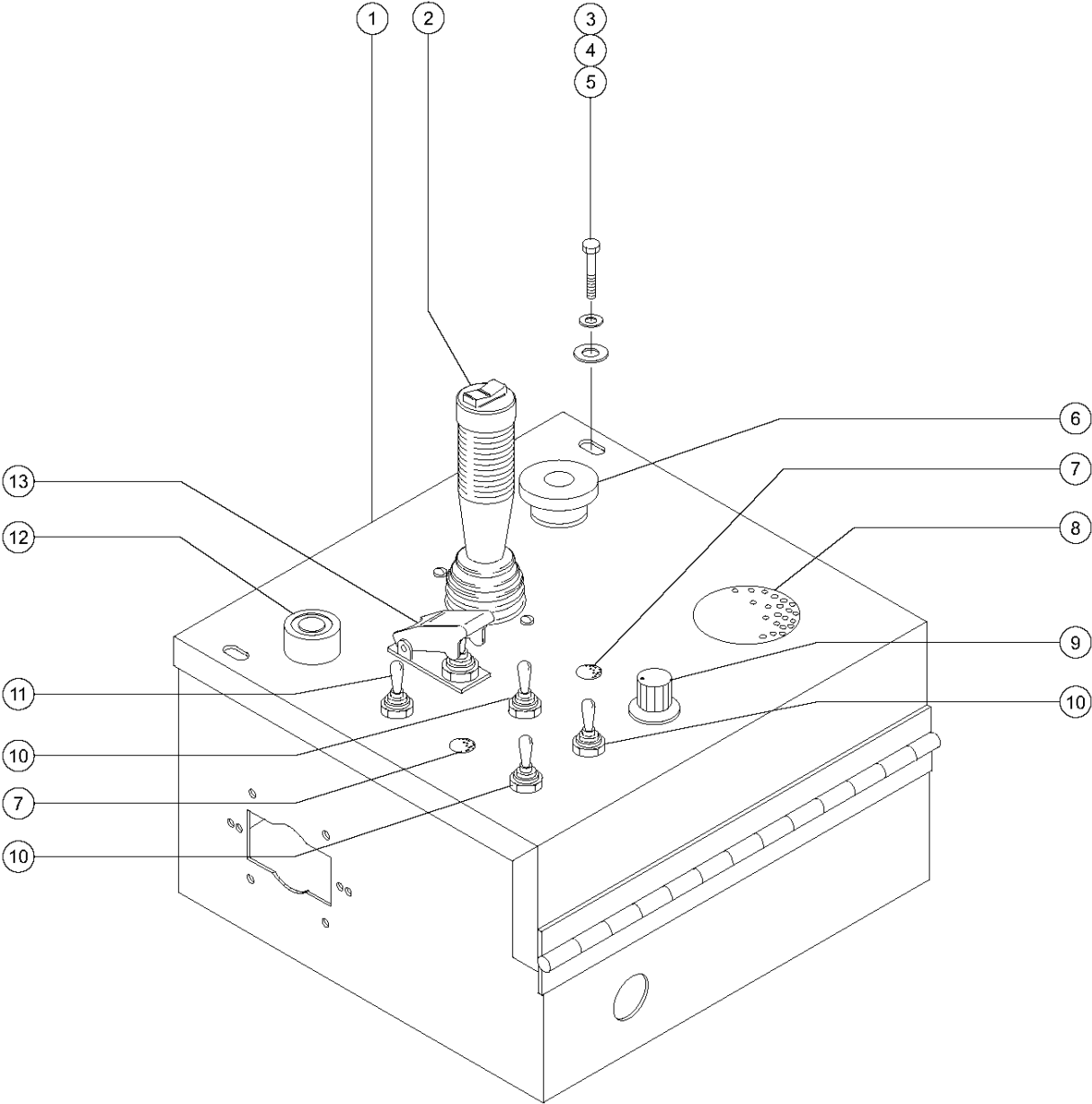
406.1 Platform Controls, View 2 (Z-20/8 to SN 104)



406.1 Platform Controls, View 2 (Z-20/8 to SN 104)

Item	Part No.	Description	Qty.
1	44965GT	PLAT.CONTROL BOX W/DECAL, Z20	
1	42151GT	GASKET,PLAT.CONTROL BOX Z20	
1		(decals are listed in Section 100)	1
2	36867GT	JOYSTICK,CONTROLLER 24V	1
3	6090GT	SCREW, HHC, 1/4-20 X .75	2
4	6356GT	WASHER,LOCK, .25	2
5	6638GT	WASHER, FLAT, USS, 1/4"Y	2
6	122514GT	KIT,ESTOP SVC BB&SM BOOM	1
6	66821GT	BASE,WITHOUT CONTACTS	1
6	66818GT	CONTACT,NC	2
7	45384GT	PLUG,NYLON .50 BLACK DOMED	2
8	45840GT	PLUG,NYLON 2.00 BLACK DOMED	1
8	19506GT	HOUR METER, 10-80 VOLTS*** includes fuse and fuse holder	1
8	237145GT	IND,BAT CHARGE,48V LEAD-ACID includes mounting bracket and fasteners	1
8	13097GT	FUSE,10 AMP	1
8	23083-SGT	FUSE HOLDER,WATERPROOF	1
9	42427GT	POTENTIOMETER ASSEMBLY, 0-20K*	1
9	44992GT	KNOB,POTENTIOMETER, 42427	1
9	94428GT	WELDMENT,COVER SUPPORT RH***	1
10	128202GT	SWITCH TOGGLE ASSY DPDT 3P MOM includes mounting fasteners	3
10	27246GT	BOOT,TOGGLE SWITCH,SHORT*	3
11	128201GT	SWITCH TOGGLE ASSY DPDT 2P MOM includes mounting fasteners	1
11	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1
12	122514GT	KIT,ESTOP SVC BB&SM BOOM	1
12	66821GT	BASE,WITHOUT CONTACTS includes 2 N.C. contacts	1
12	66818GT	CONTACT,NC	2
13	42730-SGT	SWITCH,TOGGLE SPDT,2POS MOMEN includes mounting fasteners	1
13	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1

406.1 Platform Controls, View 2 (Z-20/8 to SN 104)

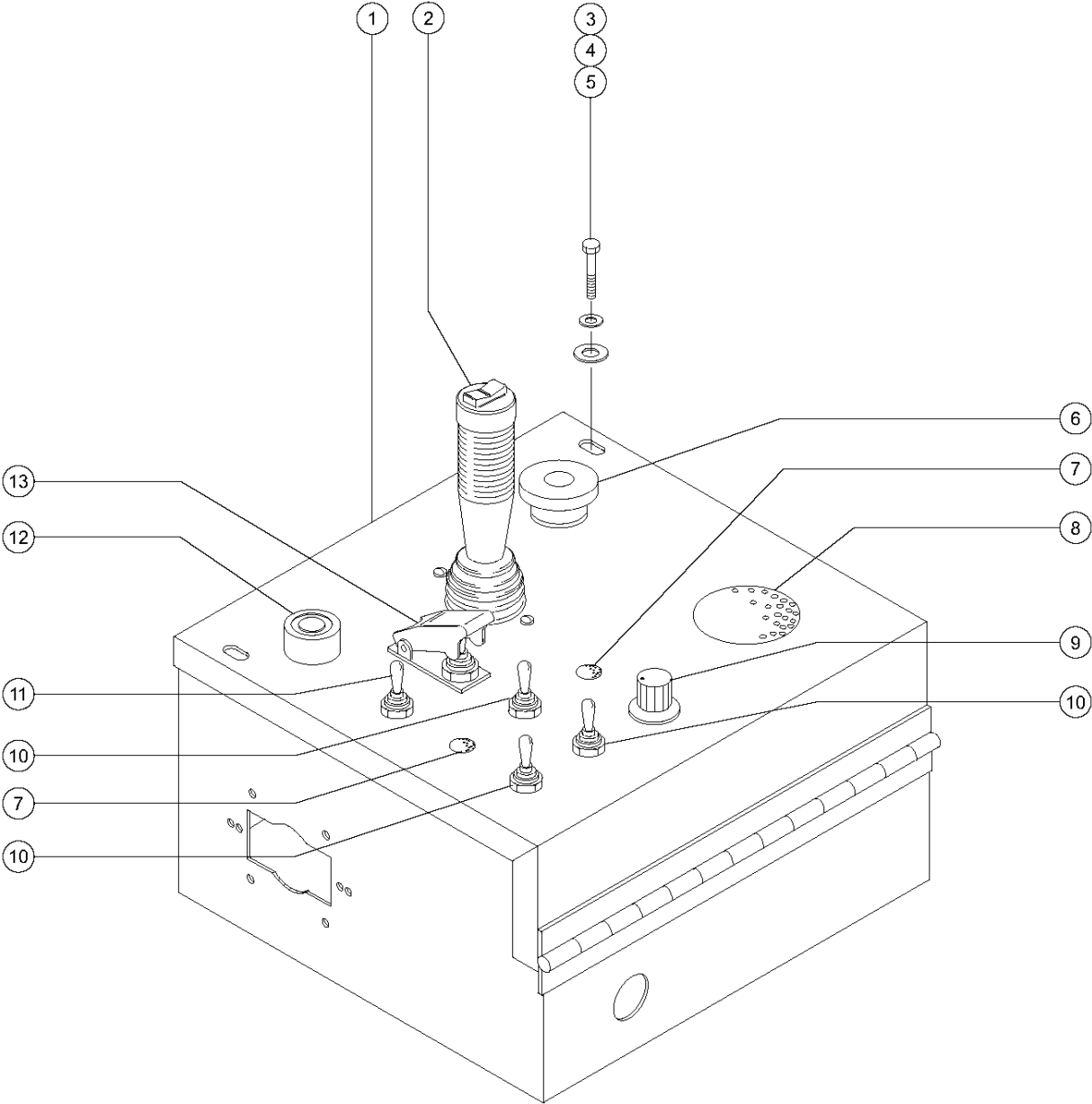


406.1 Platform Controls, View 2 (Z-20/8 to SN 104)

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
13	13471GT	COVER, AUXILIARY POWER SWITCH	1



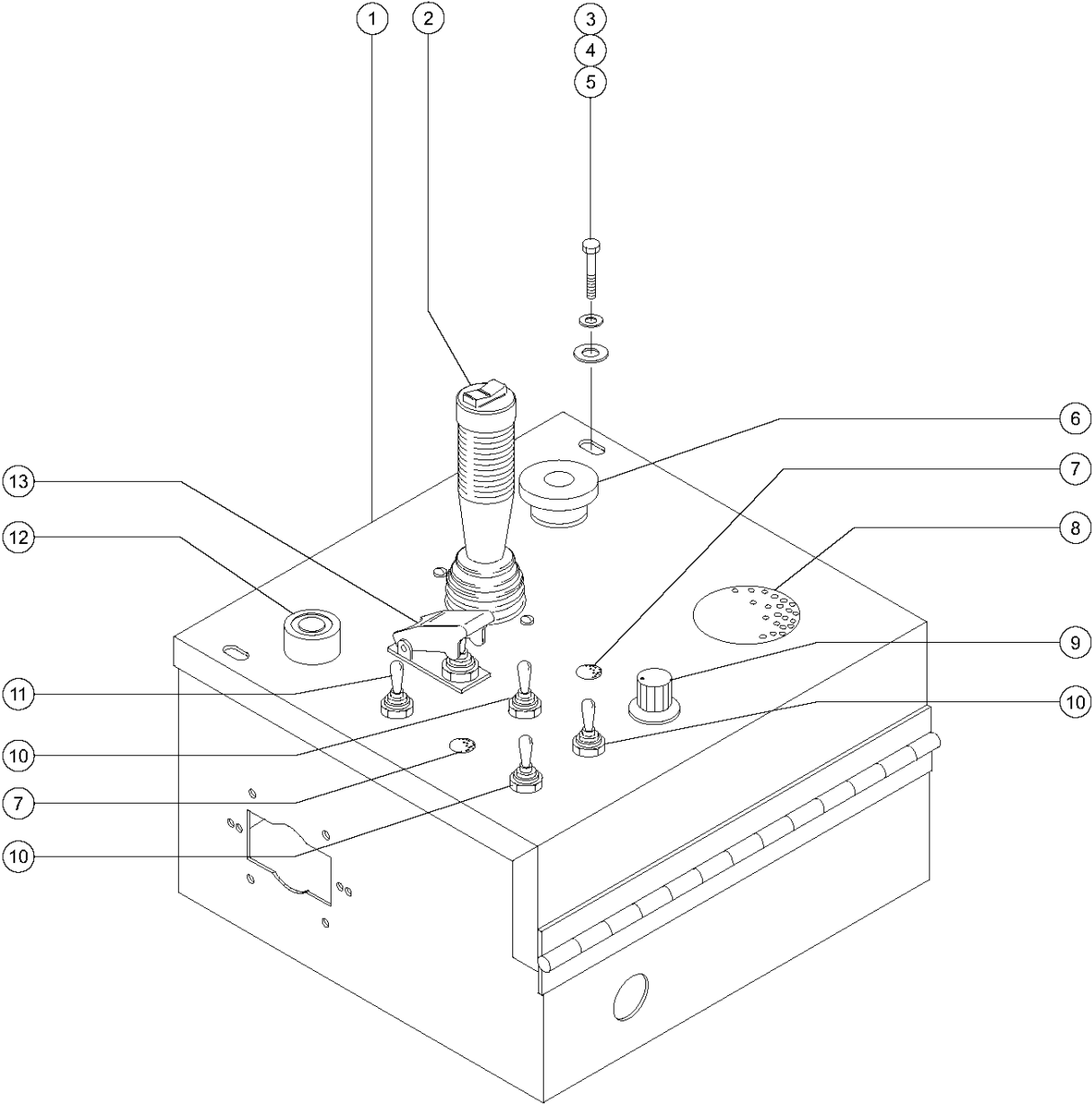
406.2 Platform Controls, View 2 (Z-20/8N to SN 1158)



406.2 Platform Controls, View 2 (Z-20/8N to SN 1158)

Item	Part No.	Description	Qty.
1	44965GT	PLAT.CONTROL BOX W/DECAL, Z20	
1	42151GT	GASKET,PLAT.CONTROL BOX Z20	
1		(decals are listed in Section 100)	1
2	36867GT	JOYSTICK,CONTROLLER 24V	1
3	6090GT	SCREW, HHC, 1/4-20 X .75	2
4	6356GT	WASHER,LOCK,.25	2
5	6638GT	WASHER, FLAT, USS, 1/4"Y	2
6	122514GT	KIT,ESTOP SVC BB&SM BOOM	1
6	66821GT	BASE,WITHOUT CONTACTS	1
6	66818GT	CONTACT,NC	1
7	45384GT	PLUG,NYLON .50 BLACK DOMED	2
8	45840GT	PLUG,NYLON 2.00 BLACK DOMED	1
8	19506GT	HOUR METER, 10-80 VOLTS*** includes fuse and fuse holder	1
8	237145GT	IND,BAT CHARGE,48V LEAD-ACID includes mounting bracket and fasteners	1
8	13097GT	FUSE,10 AMP	1
8	23083-SGT	FUSE HOLDER,WATERPROOF	1
9	42427GT	POTENTIOMETER ASSEMBLY, 0-20K*	1
9	44992GT	KNOB,POTENTIOMETER, 42427	1
9	94428GT	WELDMENT,COVER SUPPORT RH***	1
10	16397-SGT	SWITCH,TOGGLE,DPDT,3POS MOMEN includes mounting fasteners	3
10	27246GT	BOOT,TOGGLE SWITCH,SHORT*	3
11	13480-SGT	SWITCH,TOGGLE,DPDT,2POS MOMEN includes mounting fasteners	1
11	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1
12	122513GT	KIT,HORN SVC BB&SM BOOM	1
12	66813GT	BUTTON,PUSH,BLACK W/SEAL ***	1
12	66815GT	BASE, W/1 N.O. CONTACTS***	1
13	42730-SGT	SWITCH,TOGGLE SPDT,2POS MOMEN includes mounting fasteners	1
13	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1

406.2 Platform Controls, View 2 (Z-20/8N to SN 1158)

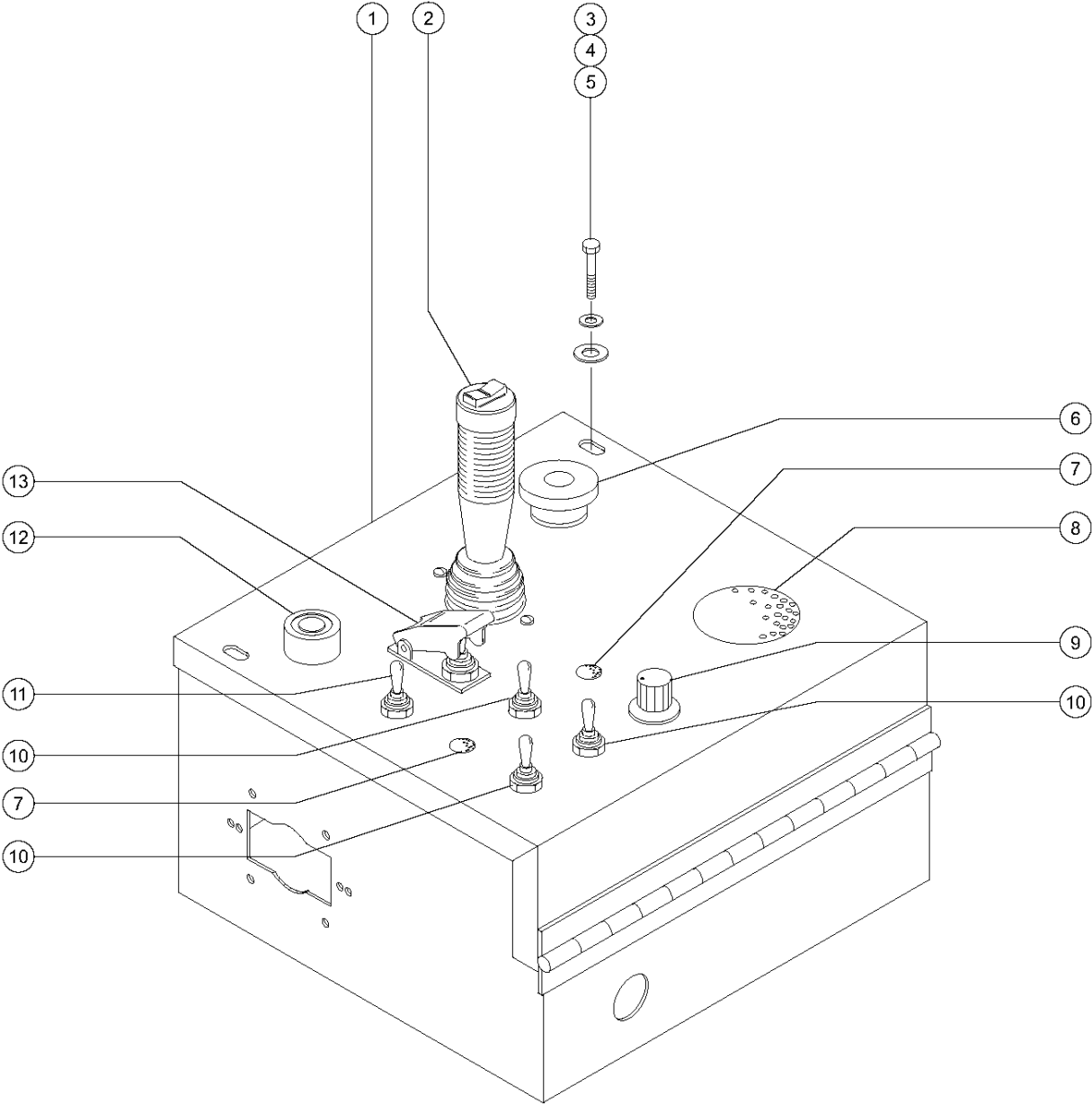


406.2 Platform Controls, View 2 (Z-20/8N to SN 1158)

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
13	13471GT	COVER, AUXILIARY POWER SWITCH	1



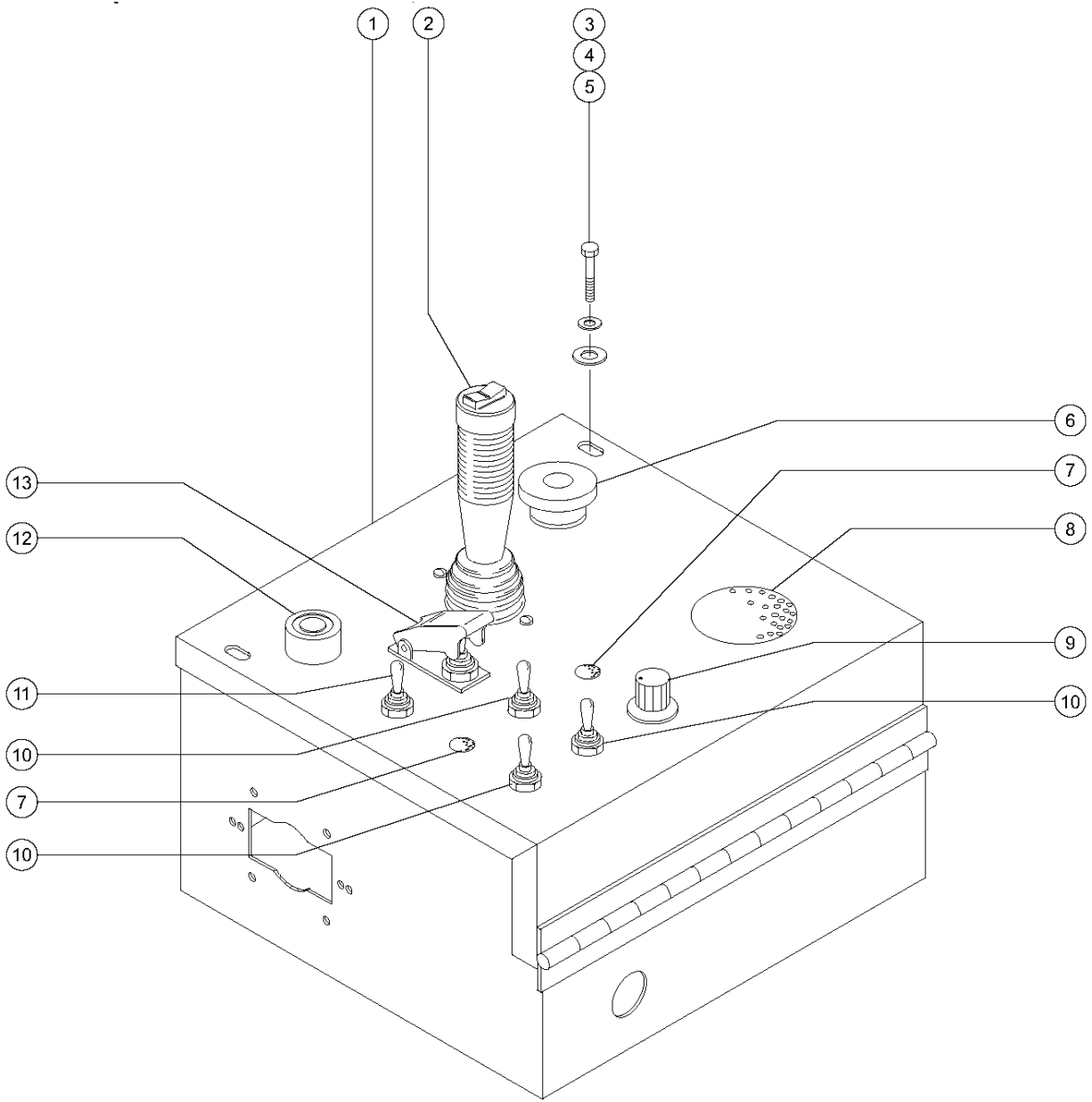
406.3 Platform Controls, View 2 (Z-25/8 to SN 169)



406.3 Platform Controls, View 2 (Z-25/8 to SN 169)

Item	Part No.	Description	Qty.
1	44965GT	PLAT.CONTROL BOX W/DECAL, Z20	
1	42151GT	GASKET,PLAT.CONTROL BOX Z20	
1		(decals are listed in Section 100)	1
2	36867GT	JOYSTICK,CONTROLLER 24V	1
3	6090GT	SCREW, HHC, 1/4-20 X .75	2
4	6356GT	WASHER,LOCK,.25	2
5	6638GT	WASHER, FLAT, USS, 1/4"Y	2
6	122514GT	KIT,ESTOP SVC BB&SM BOOM	1
6	66821GT	BASE,WITHOUT CONTACTS	1
6	66818GT	CONTACT,NC	2
7	45384GT	PLUG,NYLON .50 BLACK DOMED	2
8	45840GT	PLUG,NYLON 2.00 BLACK DOMED	1
8	19506GT	HOUR METER, 10-80 VOLTS*** includes fuse and fuse holder	1
8	237145GT	IND,BAT CHARGE,48V LEAD-ACID includes mounting bracket and fasteners	1
8	13097GT	FUSE,10 AMP	1
8	23083-SGT	FUSE HOLDER,WATERPROOF	1
9	42427GT	POTENTIOMETER ASSEMBLY, 0-20K*	1
9	44992GT	KNOB,POTENTIOMETER, 42427	1
9	94428GT	WELDMENT,COVER SUPPORT RH***	1
10	16397-SGT	SWITCH,TOGGLE,DPDT,3POS MOMEN includes mounting fasteners	3
10	27246GT	BOOT,TOGGLE SWITCH,SHORT*	3
11	13480-SGT	SWITCH,TOGGLE,DPDT,2POS MOMEN	1
11	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1
12	122513GT	KIT,HORN SVC BB&SM BOOM	1
12	66813GT	BUTTON,PUSH,BLACK W/SEAL ***	1
12	66815GT	BASE, W/1 N.O. CONTACTS***	1
13	42730-SGT	SWITCH,TOGGLE SPDT,2POS MOMEN includes mounting fasteners	1
13	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1

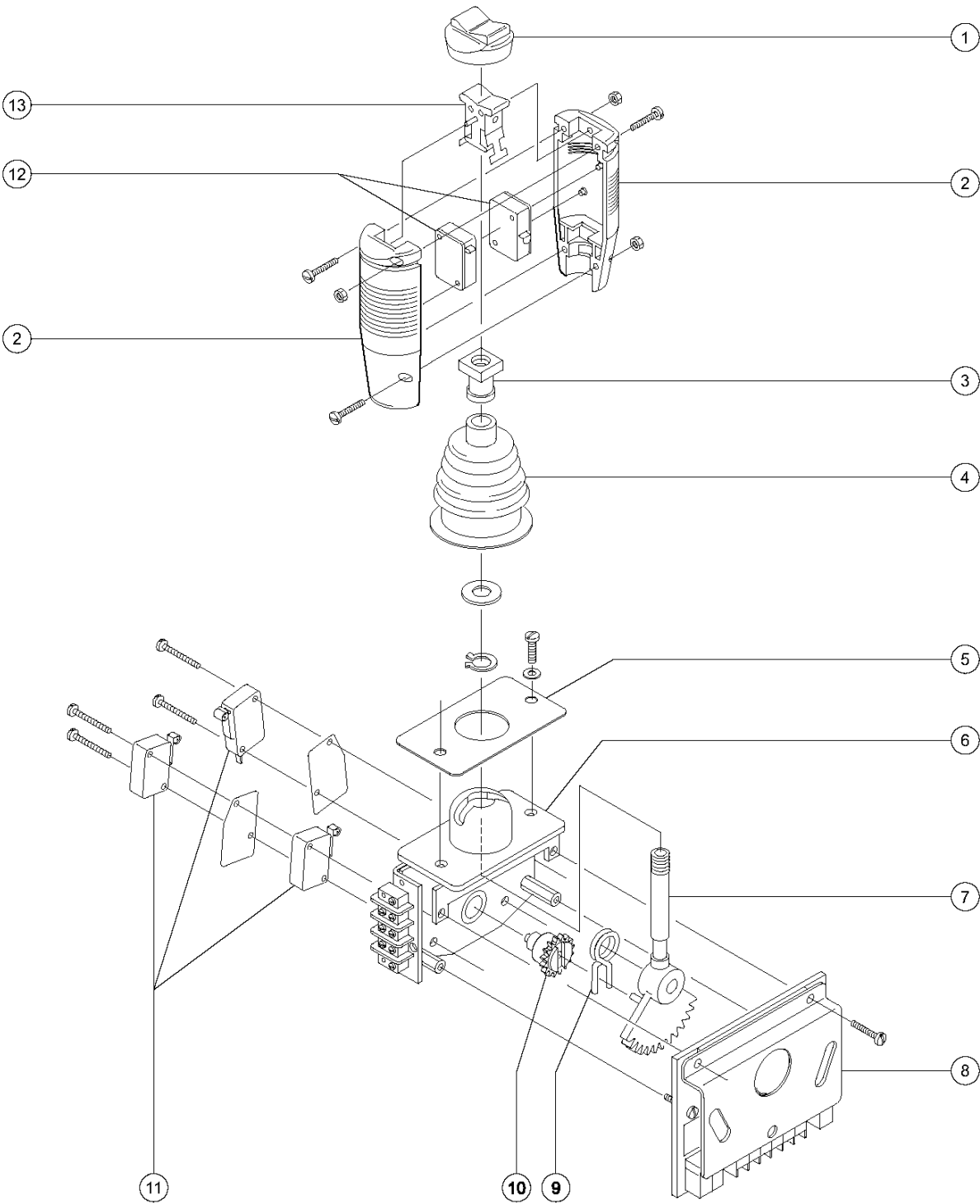
406.3 Platform Controls, View 2 (Z-25/8 to SN 169)



<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
13	13471GT	COVER, AUXILIARY POWER SWITCH	1



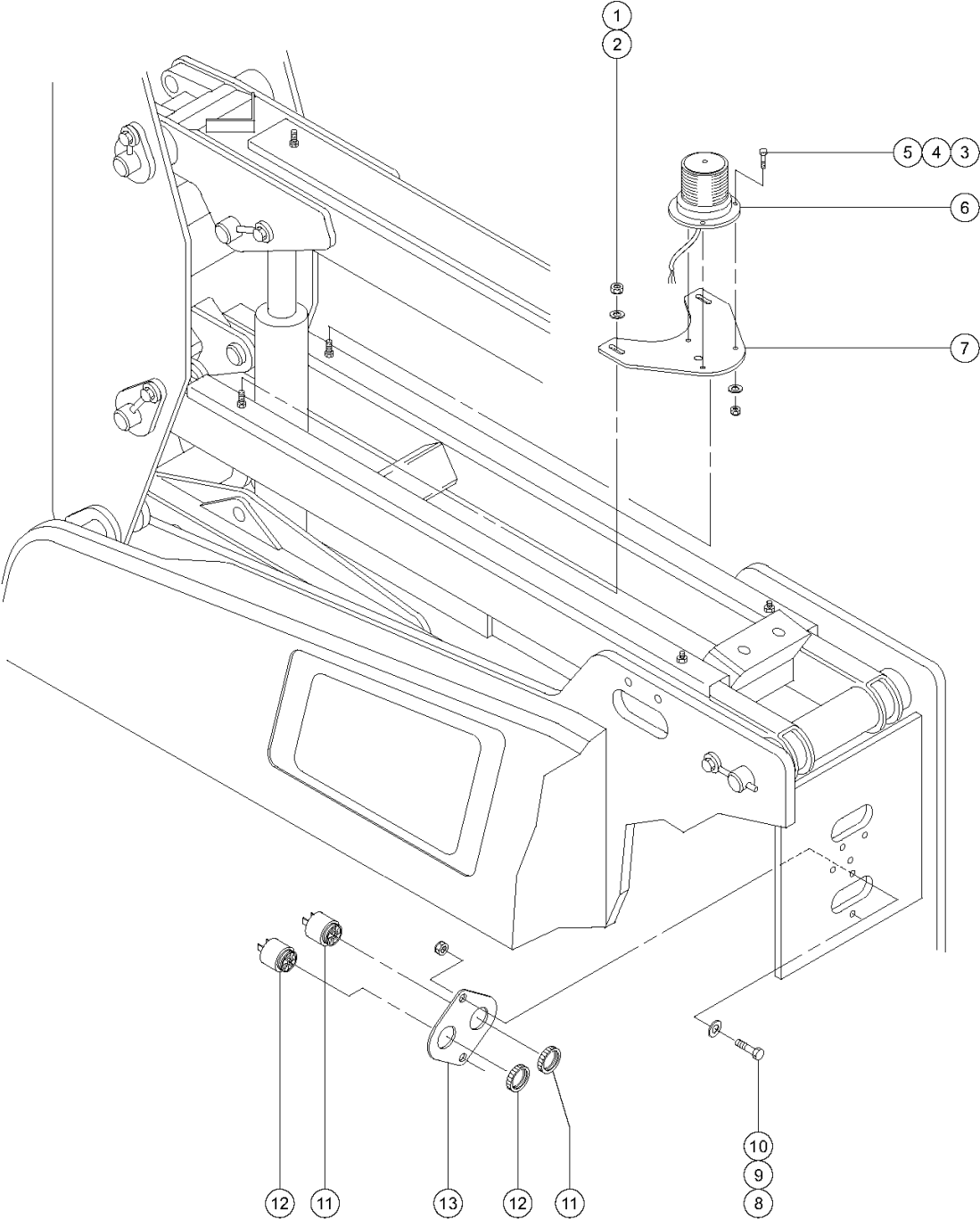
407.1 Joystick Controller, Drive/Steer Functions



407.1 Joystick Controller, Drive/Steer Functions

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
	36867GT	JOYSTICK,CONTROLLER 24V includes mounting fasteners	
	74586GT	RESISTOR , 12K OHM 2 WATT	
1	43038GT	BOOT-THUMB ROCKER** BLACK	1
2	52887GT	HANDLE HALF (56274)	2
3	43040GT	NUT,JS,36867/42032/44988/40612	1
4	21427GT	BOOT,CONTROLLER**	1
5	43042GT	GASKET,JOYSTK.SHAFT36867/42032	1
6	19720GT	CASTING,45049, 40612	1
7	46227GT	SHAFT ASSY, JOYSTICK***	1
8	44982GT	PCB,ASSY,JOYSTICK,36867	1
9	21434GT	SPRING & BUSHING KIT,RETURN***	1
10	19731GT	GEAR, SLAVE, MS4,45048	1
11	19712GT	MICROSWITCH,V3L-139-D8	3
12	19722GT	MICROSWITCH-V319M***	2
13		ROCKER ASSEMBLY,45049 (Part No Longer Available)	1

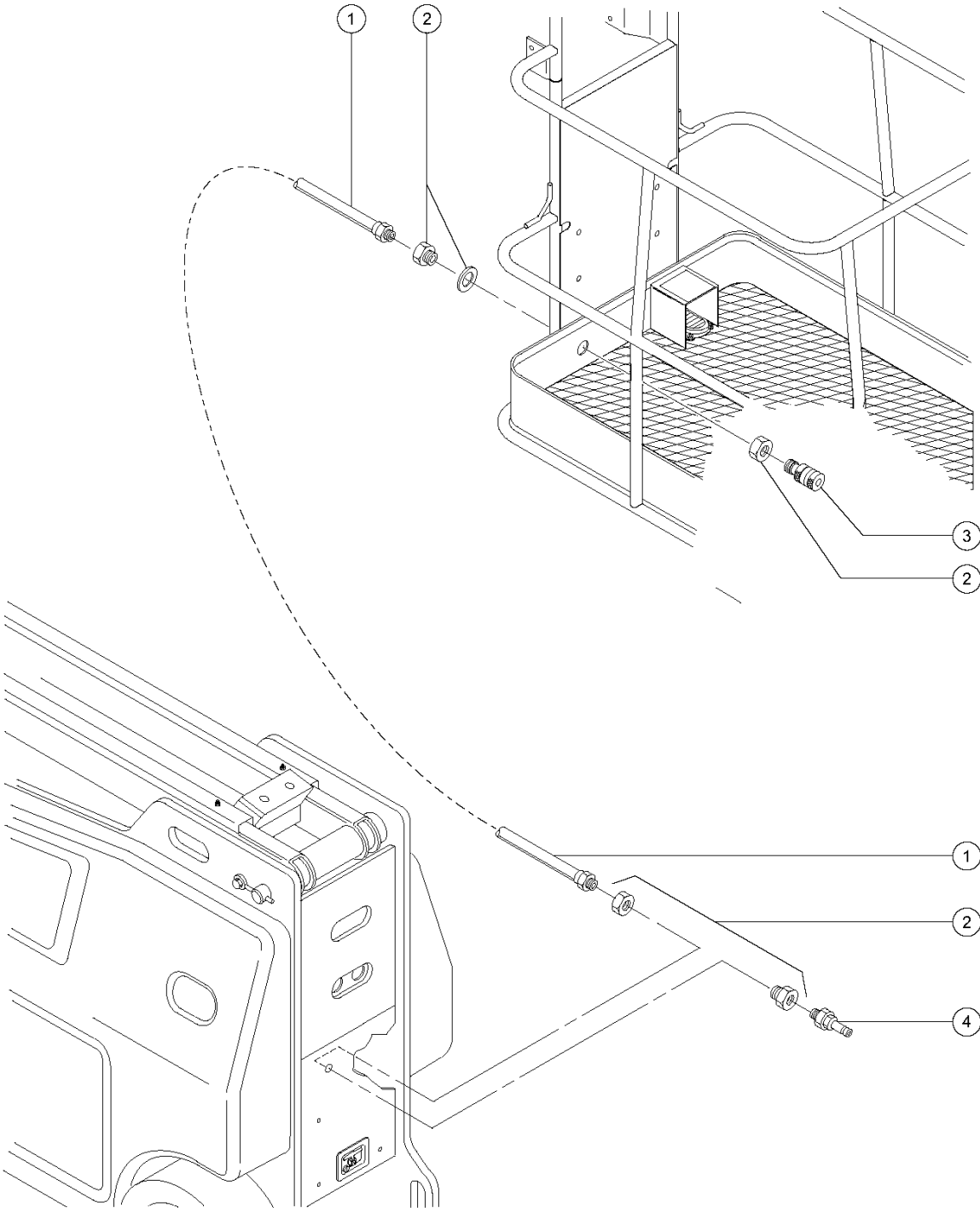
501.1 Alarm and Beacon Package



501.1 Alarm and Beacon Package

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
	36915GT	OPTION Z20 ALARM PACKAGE	
1	6091GT	NUT, NYLOCK, 1/4-20	2
2	6638GT	WASHER, FLAT, USS, 1/4"Y	2
3	6606GT	SCREW,RHM,10-32 X .75	3
4	6146GT	WASHER,FLAT,MS,#10,Y	3
5	6178GT	NUT, NYLOCK, 10-32	3
6	56704GT	STROBE,FIREBOLT,12-80VDC,AMB** (replaced 20189)	1
6-	72282GT	LENS,AMBER,STROBE,FIREBOLT	1
6-	122019GT	FLASHTUBE,U SHAPED,360DEG,BULB	
6-	226393GT	FLASHTUBE,STRAIGHT,360DEG,BULB	
7	42174GT	PLATE,BEACON MOUNT**	1
8	8516GT	SCREW, HCC, 3/8-16 X 1.50	2
9	5397GT	WASHER,FLAT,USS,5/16",Y	2
10	4828GT	NUT,NYLOCK,3/8-16	2
11	45462GT	ALARM,CHIME TONE 5-25VDC*** Does not include 72326 nut	1
11-	72326GT	NUT - PLASTIC,RING FOR ALARMS	1
12	18963GT	ALARM,INTERMITTENT TONE 6-30V* Does not include 72326 nut	1
12	72326GT	NUT - PLASTIC,RING FOR ALARMS	1
13	42172GT	PLATE,ALARM MOUNT**	1

502.1 Airline to Platform



502.1 Airline to Platform

<i>Item</i>	<i>Part No.</i>	<i>Description</i>	<i>Qty.</i>
	42420GT	AIRLINE TO PLATFORM,Z20	
1	44245GT	AIRLINE ASSY. W/ FITTINGS Z20	1
1	27902GT	CLAMP,HOSE,2 EAR,5/8	2
1	27903GT	HOSE, LOW PRESSURE, .375 ID	285
2	27900GT	BULKHEAD,FEMALE X 6 X 6	2
3	27895GT	COUPLER,1/4"SERIES 3/8 MPT	1
4	27894GT	PLUG,1/4"SERIES,3/8 MPT	1

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5094GT	59, 63, 67	12340GT	95	19731GT	193
5397GT	39, 43, 47, 51, 55, 57...	12443GT	129, 133, 137, 143, 147, 151	19815GT	55
6019GT	57, 61, 65	12447GT	143, 147, 151	20224GT	69
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6024GT	23, 27, 31	13000GT	129, 133, 137	20923GT	97
6033GT	111, 115, 119	13008-3GT	35	20973GT	129, 133, 137
6090GT	81, 85, 111, 115, 119, 129...	13008-6GT	35	21047GT	39
6091GT	35, 43, 47, 51, 81, 85...	13009GT	111, 115, 119	21121GT	129, 133, 137, 143, 147, 151
6097GT	39, 143, 147, 151	13037-SGT	59, 63, 67	21427GT	193
6145GT	99, 103, 107	13064GT	43, 47, 51	21434GT	193
6146GT	כב, כג, 103, 107, 131, 135...	13066GT	25, 29, 33	21982GT	57, 61
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6178GT	כב, כג, 103, 107, 131, 135...	13104GT	39	22263GT	55
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6272GT	153, 155, 157	13268GT	59, 63, 65	22432GT	141, 145, 149
6326GT	99, 103, 107	13471GT	183, 187, 191	22433GT	141, 145, 149
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6584GT	39	13755GT	95	22790GT	25, 29, 33
6595GT	35, 81	13756GT	95	23083-SGT	101, 105, 109, 111, 115, 185, 189
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California Proposition 65



WARNING

Operating, servicing and maintaining this equipment, passenger vehicle or off-highway motor vehicle 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.