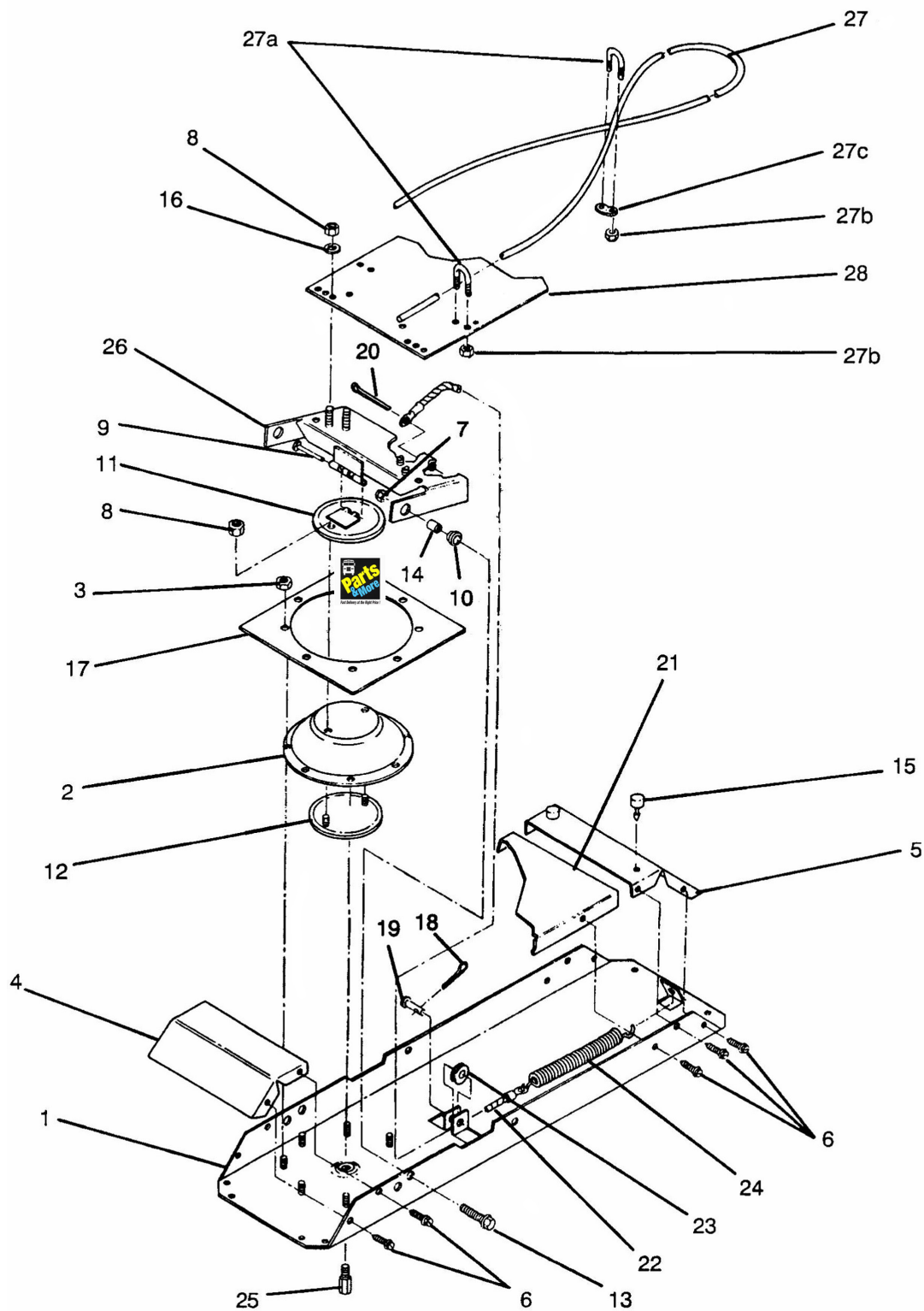


CROSSING GATES

28110 AIR CROSSING ARM BASE ONLY



CROSSING GATES

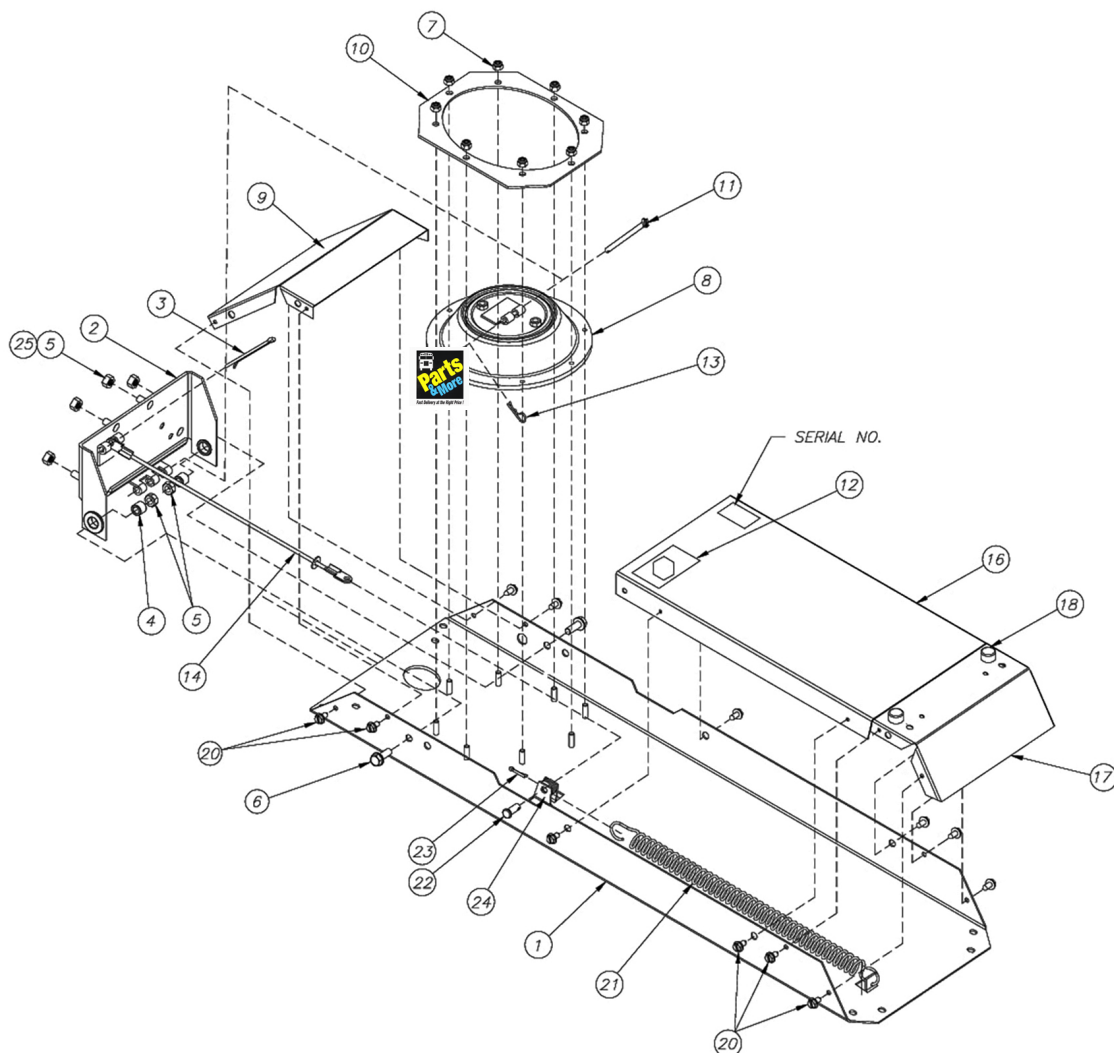
28110 AIR CROSSING ARM BASE ONLY PARTS LIST

SafetyGuard Crossing Control Arms - Air Assembly

ITEM NO.	P/N	QTY.	DESCRIPTION
	28110		Air Crossing Arm Base Assembly
1	101	1	Base with Studs
2	106	1	Diaphragm
3	4048	8	Hex Nut #10-32
4	124	1	Front End Cover
5	125	1	Rear End Cover
6	137S	12	#10 x 1/2" SMS Serrated
7	142	2	1/4-20 Nylon Insert Locknut
8	143	6	Hex Nut 1/4-20
9	144	1	Hinge Pin
10	166	2	Outer Bearing
11	170	1	Outer Diaphragm Plate
12	171	1	Inner Diaphragm Plate
13	174	2	Bolt, 1/4-20 x 3/4" RHMS
14	176	2	Inner Bearing
15	177	2	Rubber Bumper
16	178	4	Inside Lockwasher 1/4"
17	2102	1	Diaphragm Retaining Ring
18	2112	1	Cotter Pin, Zinc 1/16" x 1 1/2"
19	2114	1	Clevis Pin, 1/4" x 3/4"
20	2145	1	Cotter Pin, 1/8" x 2 1/3"
21	2195	1	Air Pan
22	2196	1	Return Cable
23	2197	1	Nylon Pulley
24	2198	1	Air Return Spring
25	8686	1	Restrictor
26	28167	1	Hinge Plate Bracket

CROSSING GATES

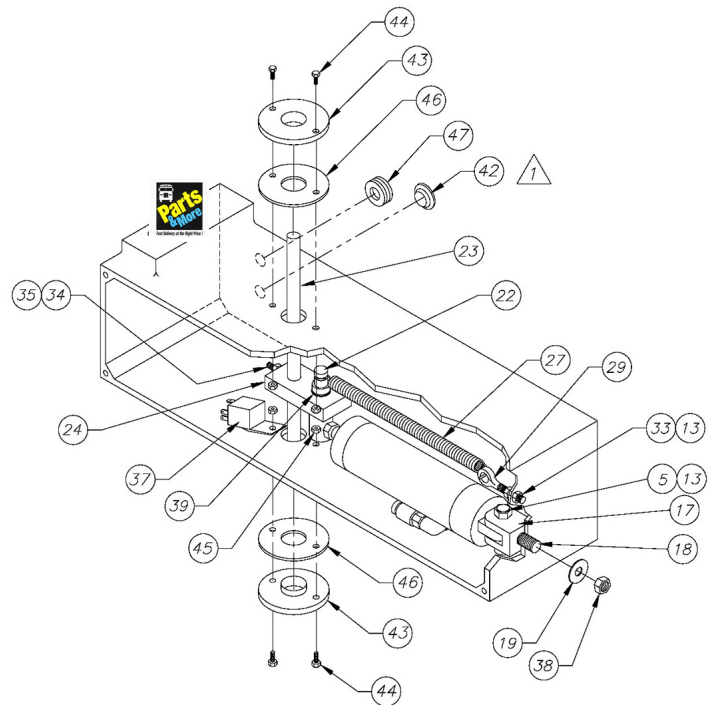
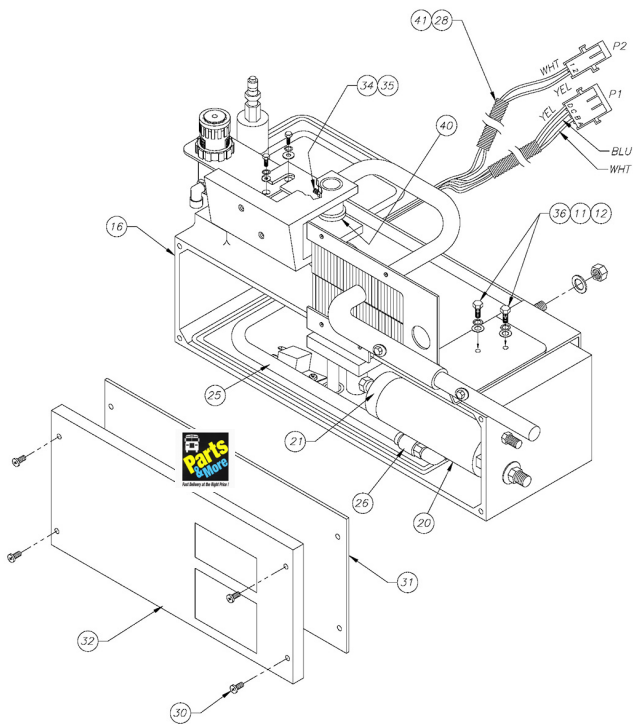
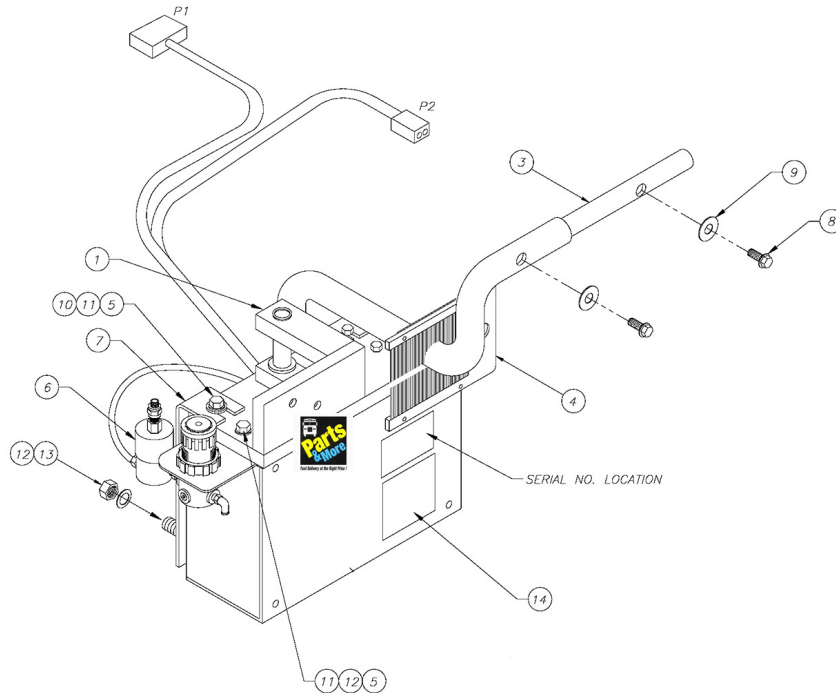
28120 AIR CROSSING ARM BASE



ITEM	PART #	DESCRIPTION	ITEM	PART #	DESCRIPTION
1	101	BASE	13	139	COTTER PIN
2	2167	HINGE BRACKET ASSY	14	2196	AIR RETURN CABLE
3	2145	PIN	16	2195	AIR PAN
4	176	INNER BEARING	17	125	REAR COVER PLATE
5	142	LOCK NUT	18	177	RUBBER BUMPER
6	174	BOLT	20	137S	SCREW
7	4048	NYLON LOCK NUT	21	2180	AIR SPRING
8	106ASSY	DIAPHRAGM ASSY	22	2114	CLEVIS PIN
9	124	COVER PLATE	23	2112	COTTER PIN
10	2102	RETAINING RING	24	2197	NYLON PULLEY
11	144	HINGE PIN	25	104	NYLON WASHER
12	107	SPECIALTY DECAL			

CROSSING GATES

28133 AIR CROSSING ARM BASE FOR 2005 & UP AMTRAN/NAVISTAR IC



PARTS LIST ON PAGE 212.

CROSSING GATES

CROSSING GATES

28133 AIR CROSSING ARM BASE FOR 2005 & UP AMTRAN/NAVISTAR IC

28138 COMPLETE ASSY WITH BLADE

PARTS LIST

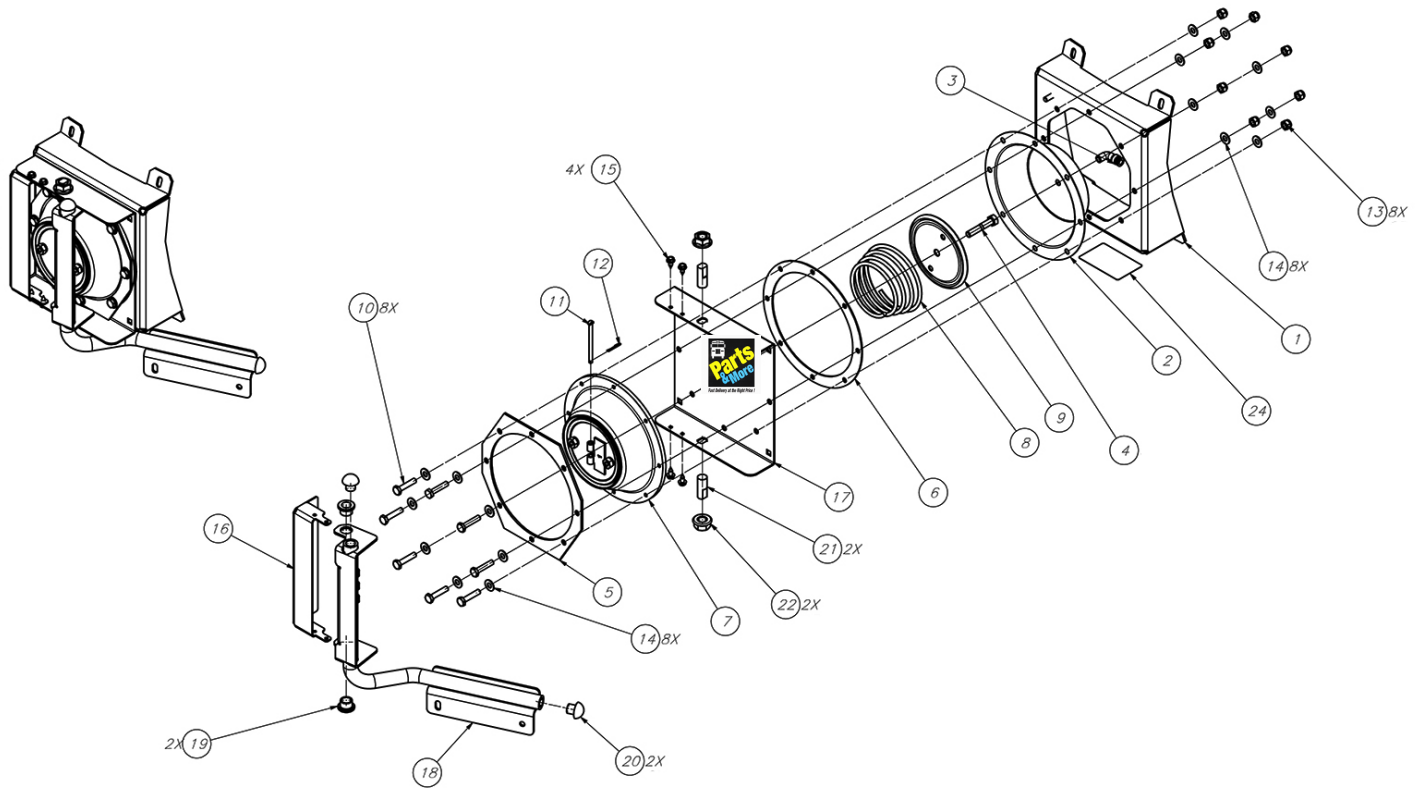
ITEM	PART NO.	QTY	DESCRIPTION
1	008141	1	YOKE, HINGE PIVOT
2	008173	1	BUSHING
3	006150	1	HINGE ARM
4	006171	1	ASSY, BRUSH BRKT
5	000175	3	SCREW, 1/4-20 X 1" HX HD CAP
6	001639	1	SUB-ASSY, SOLENOID W/ REG.
7	068147	1	COVER BRACKET
8	000115	2	SCREW, 1/4-28 X 3/4 HX HD CAP
9	006006	2	WASHER, FORMED
10	000140	1	WASHER, 5/16" I.D. FLAT
11	000148	4	WASHER, 1/4" SPLIT LOCK
12	000147	7	WASHER, 1/4" I.D. FLAT
13	000142	6	NUT, 1/4-20 NYLOCK
14	000107	1	DECAL, SPECIALTY
16	028101	1	BASE, AIR - INT X/A
17	002177	1	MOUNT, CLEVIS
18	000133	1	BOLT, 5/16-18 X 1" HX HD
19	000605	1	WASHER, 5/16 I.D. X 7/8 O.D. FENDER
20	002181	1	CYLINDER, SMALL AIR
21	000114	1	NUT, 5/16-24 JAM
22	002178	1	PIN, PUSH
23	002174	1	SHAFT
24	002173	1	PLATE, INSIDE CAM
25	010312	1	TUBING, 1/4" O.D. 14" LONG
26	000113	1	ELBOW, 1/4" SWIVEL
27	002183	1	SPRING
28	006149	1	HARNESS, AIR X/A
29	000611	1	EYE BOLT, 1/4-20
30	006138	4	SCREW, 10-32 X 1/2 HX HD
31	002128	1	GASKET, COVER
32	028125	1	COVER, AIR INT. X/A BASE
33	000143	1	NUT, 1/4-20 HEX
34	000156	2	SCREW, 1/4-28 X 1" SET
35	009044	2	NUT, 1/4-28 HEX
36	000154	2	SCREW, 1/4-20 X 3/4 HX HD
37	003010	1	RELAY
38	008022-1	1	NUT, 5/16-18 WHIZ
39	000233	1	SNAP RING
40	002130	1	WASHER, THRUST
41	003025	1	TIE WRAP, 4.5" BLACK
42	005027	1	PLUG, PLASTIC CAP
43	006123-10	2	BUSHING, 2" OD MOLDED
44	006137	4	SCREW, 10/32 X 5/8 FH
45	004048	4	NUT, 10-32 NYLON LOCK
46	006144	2	GASKET, 6-SER BUSHING
47	003027	1	GROMMET

NOT PICTURED

68196 BLADE ASSY
8122 MAGNET
68137 REAR COVER

CROSSING GATES

XA1-28065 AIR CROSSING GATE, BLUE BIRD



CROSSING GATES

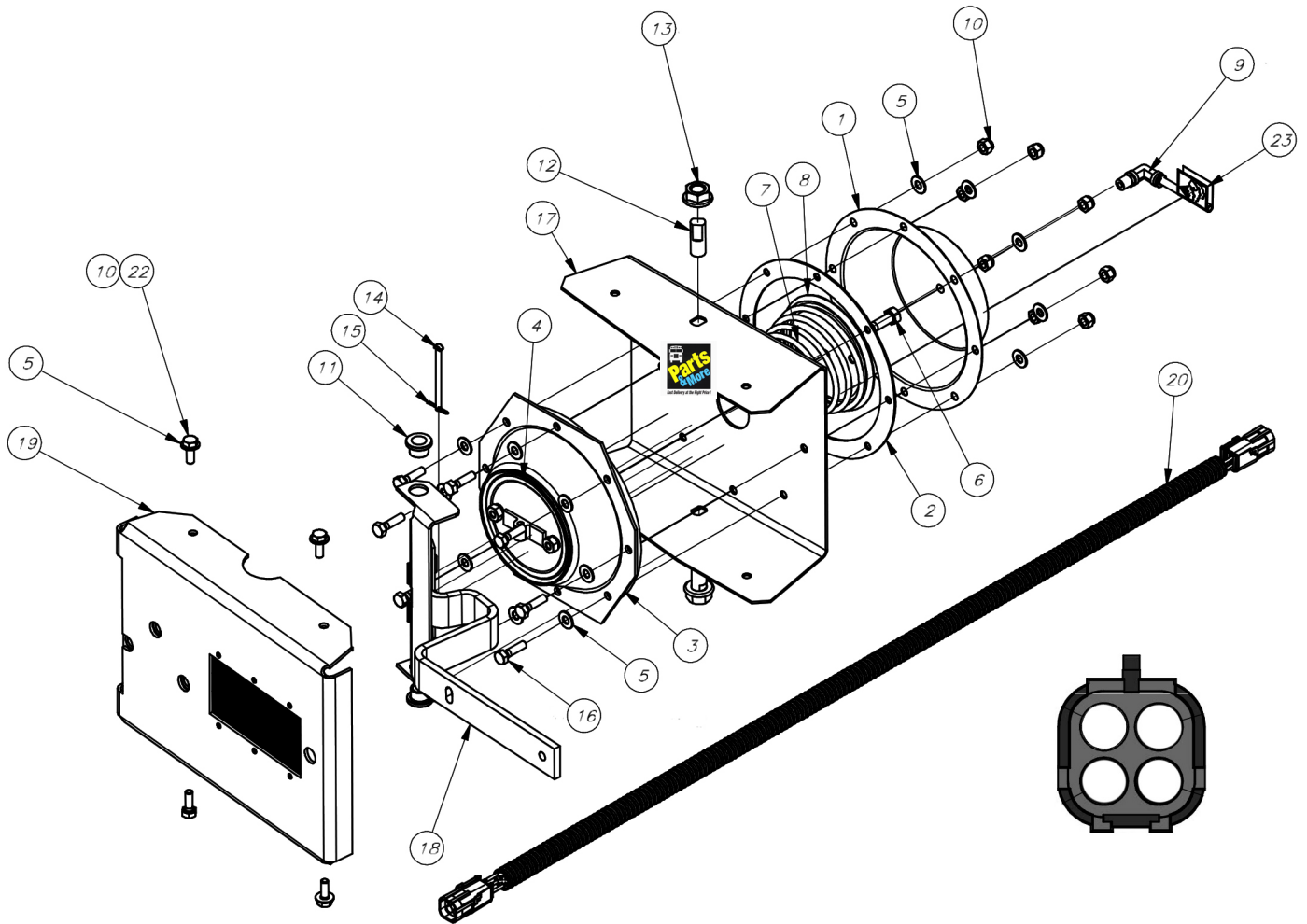
1	28417	MOUNTING BRACKET	13	142	NUT 1/4-20
2	2129	SPRING COVER	14	147	FLAT WASHER
3	112	FITTING	15	137S	SCREW
4	176	BOLT 5/16-18 X 1.75	16	28411	COVER
5	2102	DIAPHRAM RETAINING RING	17	28134	BASE
6	2124	GASKET	18	28409	HINGE ARM
7	106S	DIAPHRAM ASSY	19	28148	BEARING
8	105C	SPRING	20	197	RUBBER BUMPER
9	170-05	DIAPHRAGM PLATE	21	5057	HINGE PIN
10	179	SCREW	22	5122	NUT 1/2-20
11	144	HINGE PIN	23	71056	HARDWARE MOUNTING KIT
12	139	COTTER PIN	24	107	DECAL

CALL US @ 800/581-4735

191

CROSSING GATES

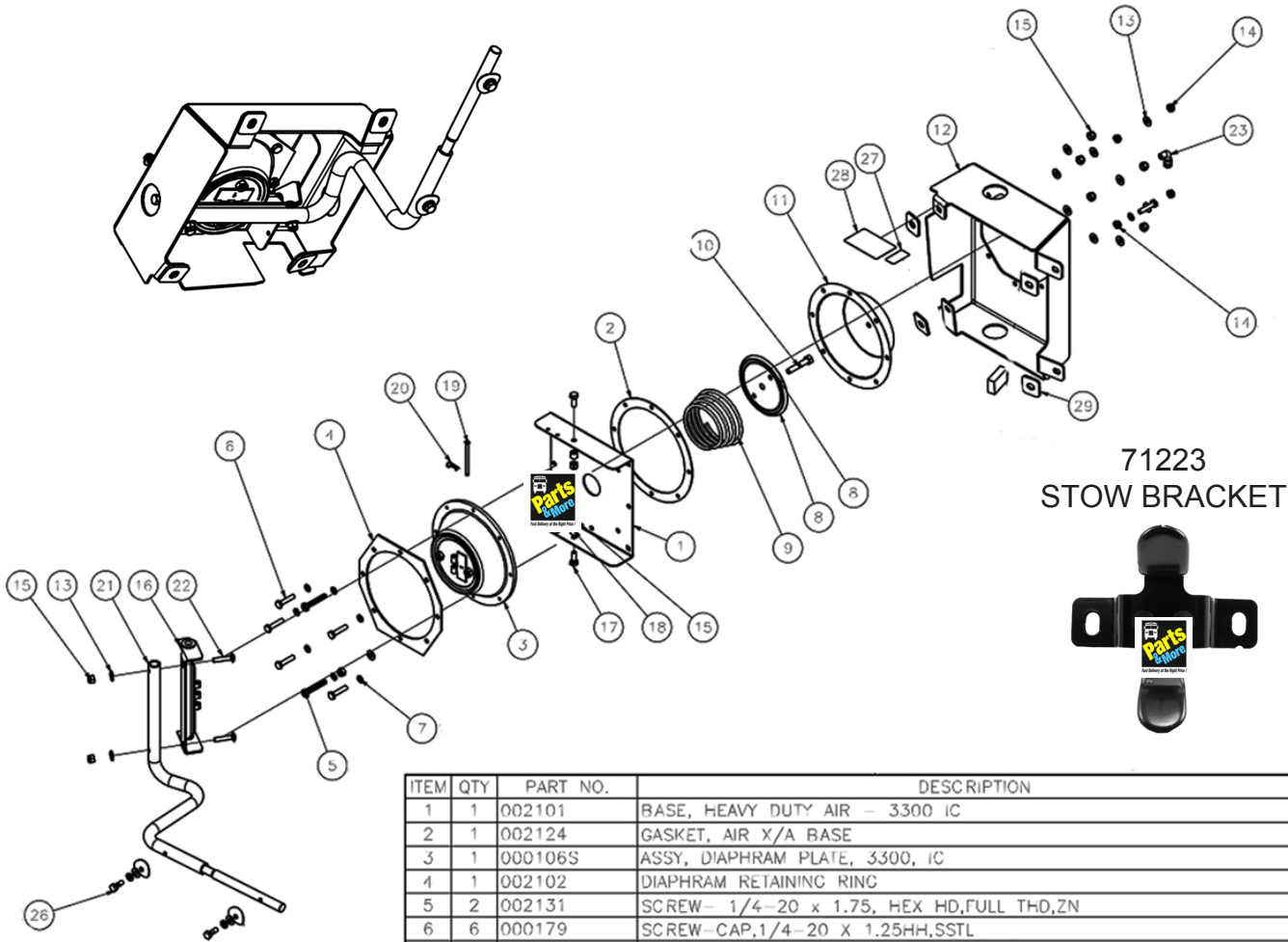
XA1-28139 AIR CROSSING GATE, THOMAS HDX



ITEM	QTY	PART NO.	DESCRIPTION
1	1	002129	COVER, SPRING, AIR X/A
2	1	002124	GASKET, AIR X/A BASE
3	1	002102	TING, DIAPHRAM RETAINING
4	1	028431	ASSY, DIAPHRAM PLATE - 3300, IC
5	20	000147	WASHER, 1/4 ID SS FLAT
6	1	008043	BOLT, 5/16-18 X 1.75 ZINC HEX
7	1	000105C	SPRING, HEAVY DUTY COMPRESSION - AIR X/A
8	1	000170-05	PLATE, DIAPHRAGM - BLANK & FORM
9	1	000113	ELBOW, 1/4ODx1/8NPT SWIVEL
10	12	000142	NUT, 1/4-20 SS NYL LOCK
11	2	028148	BEARING, .628 OD, .501 ID, .500L, FLNGD OILITE
12	2	005057	PIN, HINGE - INVERTED UNIT
13	2	005122	NUT, 1/2-20 WHIZ HX WASHER
14	1	000144	PIN, VAC HINGE
15	1	000139	PIN, COTTER
16	8	000175	SCREW, 1/4-20 X 1 HH SS CAP
17	1	028427-10	BASE, AIR X/A - HDX
18	1	028422	WELDMENT, AIR X/A HINGE ARM
19	1	028425	MOUNTING BRACKET, W/ BRUSHES, AIR X/A
20	1	006136	WIRE, 38IN JUMPER - BUS TO MAGNET
21	1	028428	DECAL, CAUTION
22	4	000154	BOLT, 1/4-20 X 3/4 HX HD
23	1	028428-1	CAUTION LABEL INSERT - HDX AIR

CROSSING GATES

XA1-28187 AIR CROSSING GATE WITH STOW BRACKET, NAVISTAR CE



71223
STOW BRACKET

TO GET THE XA1-28170
BASE YOU MUST
PURCHASE THIS KIT.

ITEM	QTY	PART NO.	DESCRIPTION
1	1	002101	BASE, HEAVY DUTY AIR - 3300 IC
2	1	002124	GASKET, AIR X/A BASE
3	1	000106S	ASSY, DIAPHRAM PLATE, 3300, IC
4	1	002102	DIAPHRAM RETAINING RING
5	2	002131	SCREW- 1/4-20 x 1.75, HEX HD,FULL THD,ZN
6	6	000179	SCREW-CAP,1/4-20 X 1.25HH,SSTL
7	8	000178	WASHER, INTERNAL TOOTH LOCK, 1/4" SCREW SIZE
8	1	000170-05	PLATE, DIAPHRAGM - BLANK & FORM
9	1	000105C	SRING, COMPRESSION, HEAVY DUTY, AIR X/A
10	1	008043	BOLT-HEX, 5/16-18 X 1.75, ZINC
11	1	002129	COVER, SPRING, AIR X/A
12	1	028418	BRACKET, MOUNTING, AIR X/A
13	14	000147	WASHER- FLAT, 1/4 ID, SS
14	4	000151	NUT-LOCK,THIN NYL, 1/4-20 SS
15	10	000142	NUT, 1/4-20 SS NYL LOCK
16	1	002169	HINGE - AIR S/A & X/A
17	2	000174	BOLT-1/4-20 X 3/4 HX HD
18	2	000176	INNER BEARING - AIR/VAC UNIT
19	1	000144	PIN-HINCE, VAC
20	1	000139	PIN, COTTER
21	1	028171	ASSY, HINGE ARM - AIR, X-ARM, IC
22	2	000243	BOLT-1/4 20x1.25" GR 5 CARRIAGE
23	1	000112	FITTING, 1/8 NIP 90
24	2	006006	WASHER, 1.25 O.D. FORMED FENDER
25	2	000148	WASHER- LOCK, 1/4 ID, SS
26	2	000115	SCREW- 1/4-28x3/4 HXHD, SS, THD PATCH
27	1	001103	LABEL, 1.0" X 1.5" BLANK SILVER MYLAR
28	1	000107	DECAL, S/A & X/A BASE SPECIALTY
29	4	071231	SPACER, RUBBER, VIBRATION DAMPING
30	1	MIS-039-01	NEOPRENE SPONGE

CALL US @ 800/581-4735

193

CROSSING GATES

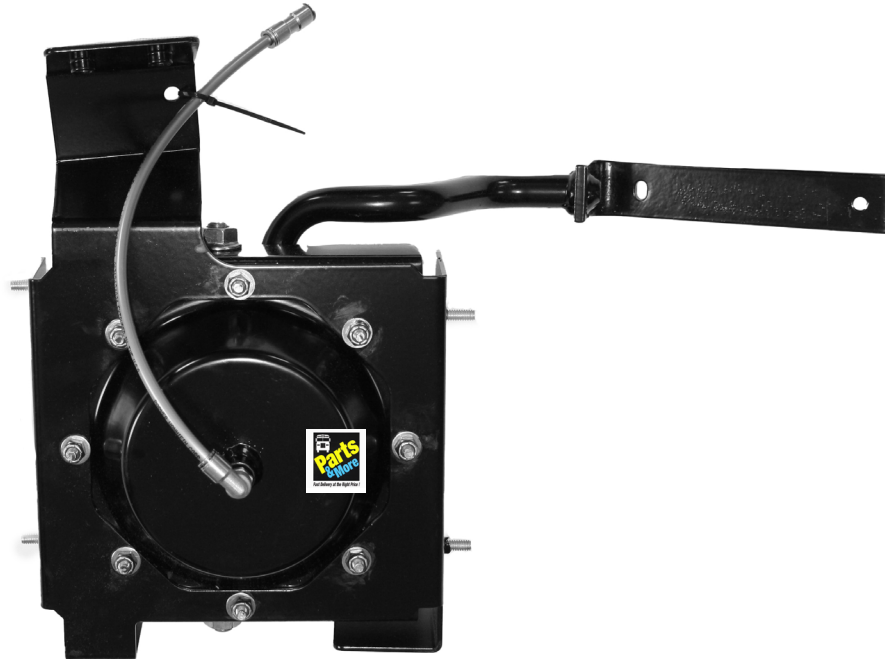
CROSSING GATES

XA128280

AIR CROSSING GATE FOR IC CE 2025+

NEW

NEW



COMPONENTS FOR COMPLETE UNIT

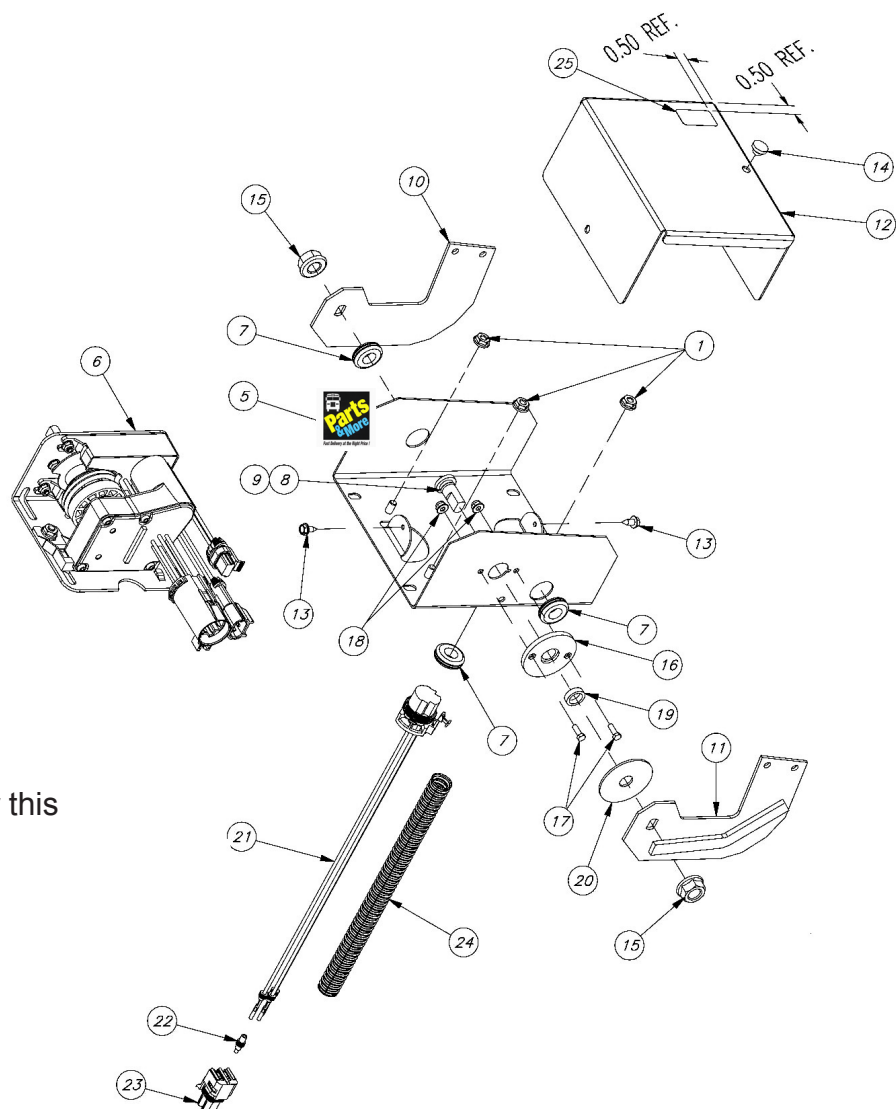
28250	SLUSH COVER
78260	STOW BRACKET
78270	CROSSING GATE BLADE

CROSSING GATES

68150
Blade for
this unit

(1)	7101	BASE	(12)	137S	SCREW
(2)	7027	GROMMET	(13)	T4262	BUMPER GROMMET
(3)	5164	WASHER	(16)	104	NYLON WASHER
(4)	5165	SNAP RING	(17)	142	LOCK NUT
(5)	5176	BUSHING	(19)	7419	HARNESS
(6)	7701	MOTOR ASSY	(23)	4053	SEAL PLUG
(7)	5122	NUT	(24)	5053	PLUG
(8)	5142	NUT	(25)	5013	LOOM
(9)	5057	HINGE PIN	(26)	5168	HINGE
(10)	2008	GASKET			
(11)	7125	COVER			

CROSSING GATES

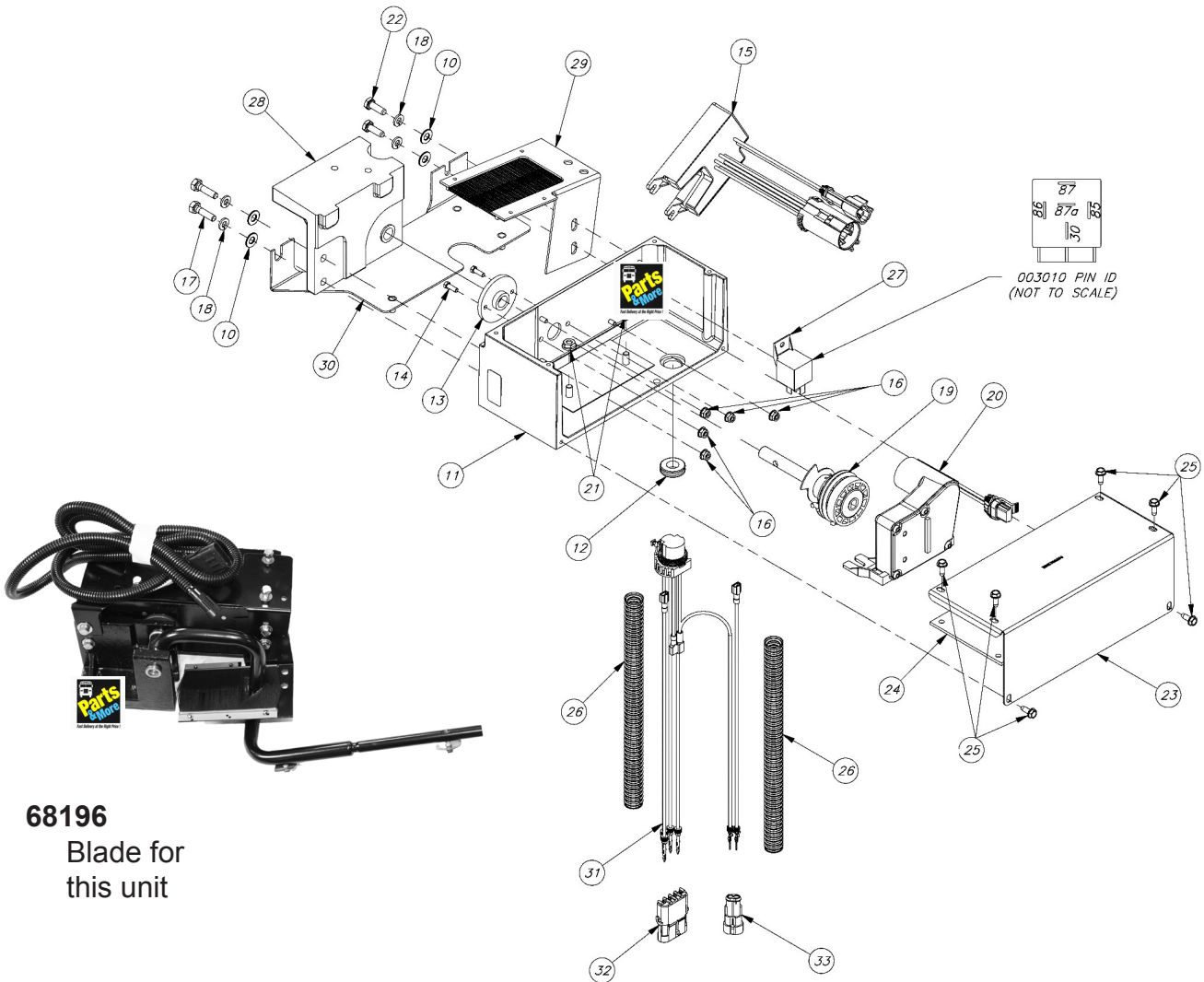
78119 ELECTRIC CROSS ARM BASE W/BRACKET, NAVISTAR FE/RE**68158**

Blade for this unit.

(1)	5142	NUT	(16)	7123	BUSHING
(5)	7101	BASE SHELL	(17)	324	SCREW
(6)	7701	MOTOR ASSY	(18)	325	NUT
(7)	7027	GROMMET	(19)	6041	SEAL
(8)	5032	O-RING	(20)	6019	WASHER
(9)	6131	HINGE PIN	(21)	7419	HARNESS
(10)	68126	X-ARM HINGE	(22)	4053	SEAL PLUG
(11)	68136	X-ARM HINGE W/ REINF.	(23)	5053	PLUG
(12)	7125	COVER	(24)	5013	LOOM
(13)	137S	SCREW	(25)	7199	LABEL
(14)	T4262	GROMMET	NOT SHOWN 8211 MOUNTING BRACKET		
(15)	5122	NUT			

CROSSING GATES

78120 ELECTRIC CROSS ARM BASE, INTERNATIONAL



68196

Blade for
this unit

(10) 147	WASHER	(23) 68134	COVER
(11) 68102	BASE SHELL	(24) 68133	COVER GASKET
(12) 3027	GROMMET	(25) 6138	SCREW
(13) 7123	BUSHING	(26) 5013	LOOM
(14) 324	SCREW	(27) 3010	ALARM SWITCH
(15) 7120	CONTROL MODULE	(28) 8217	YOKE & BUSHING ASSY
(16) 325	NUT	(29) 6171	BRUSH BRACKET ASSY
(17) 175	SCREW	(30) 68147	BRACKET-REAR COVER
(18) 148	WASHER	(31) 7426	HARNESS
(19) 6030	CLUTCH DRIVER ASSY	(32) 5090	PLUG
(20) 7014	MOTOR	(33) 5088	SOCKET
(21) 5142	NUT		
(22) 154	BOLT		

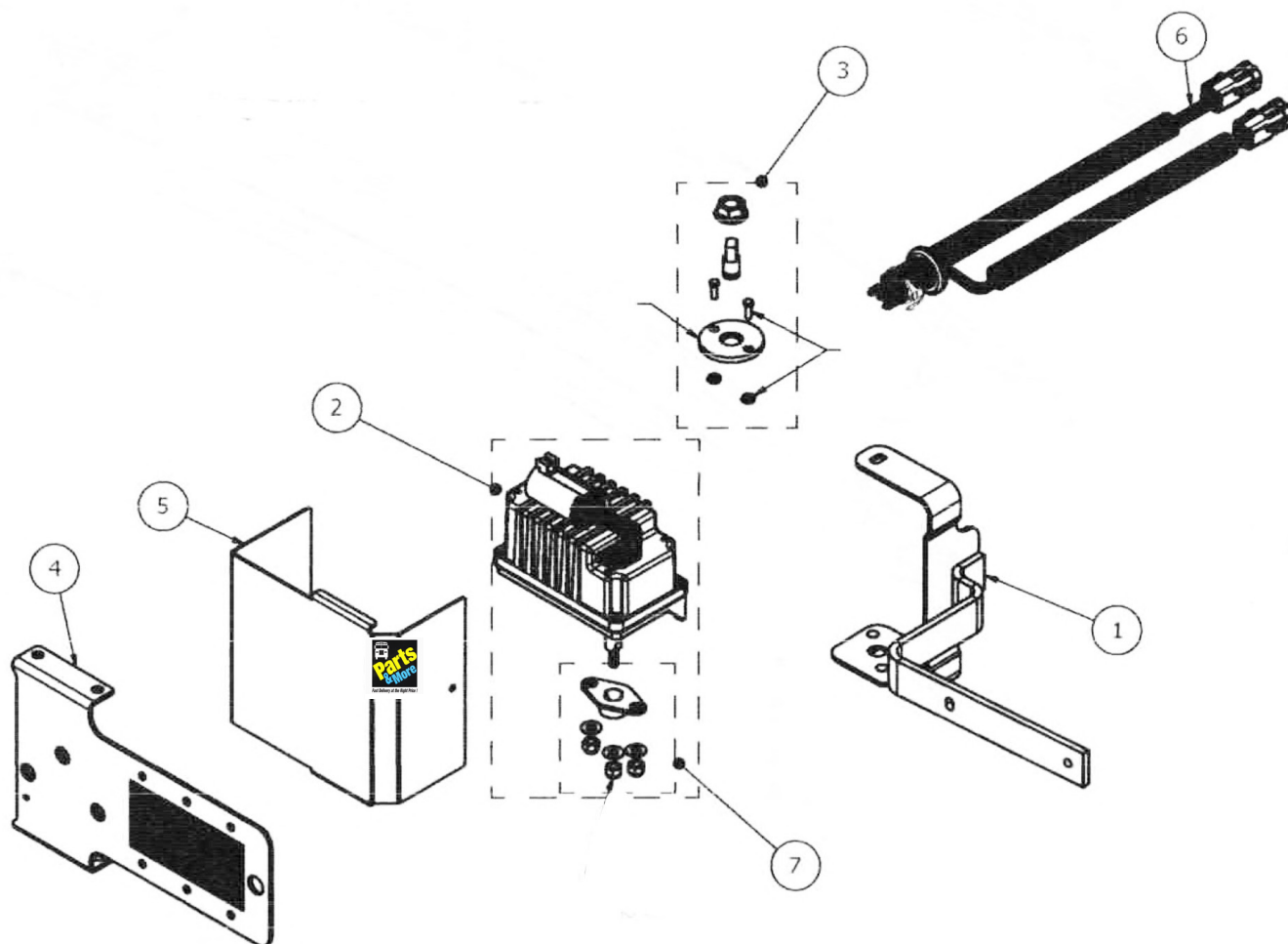
CALL US @ 800/581-4735

197

CROSSING GATES

CROSSING GATES

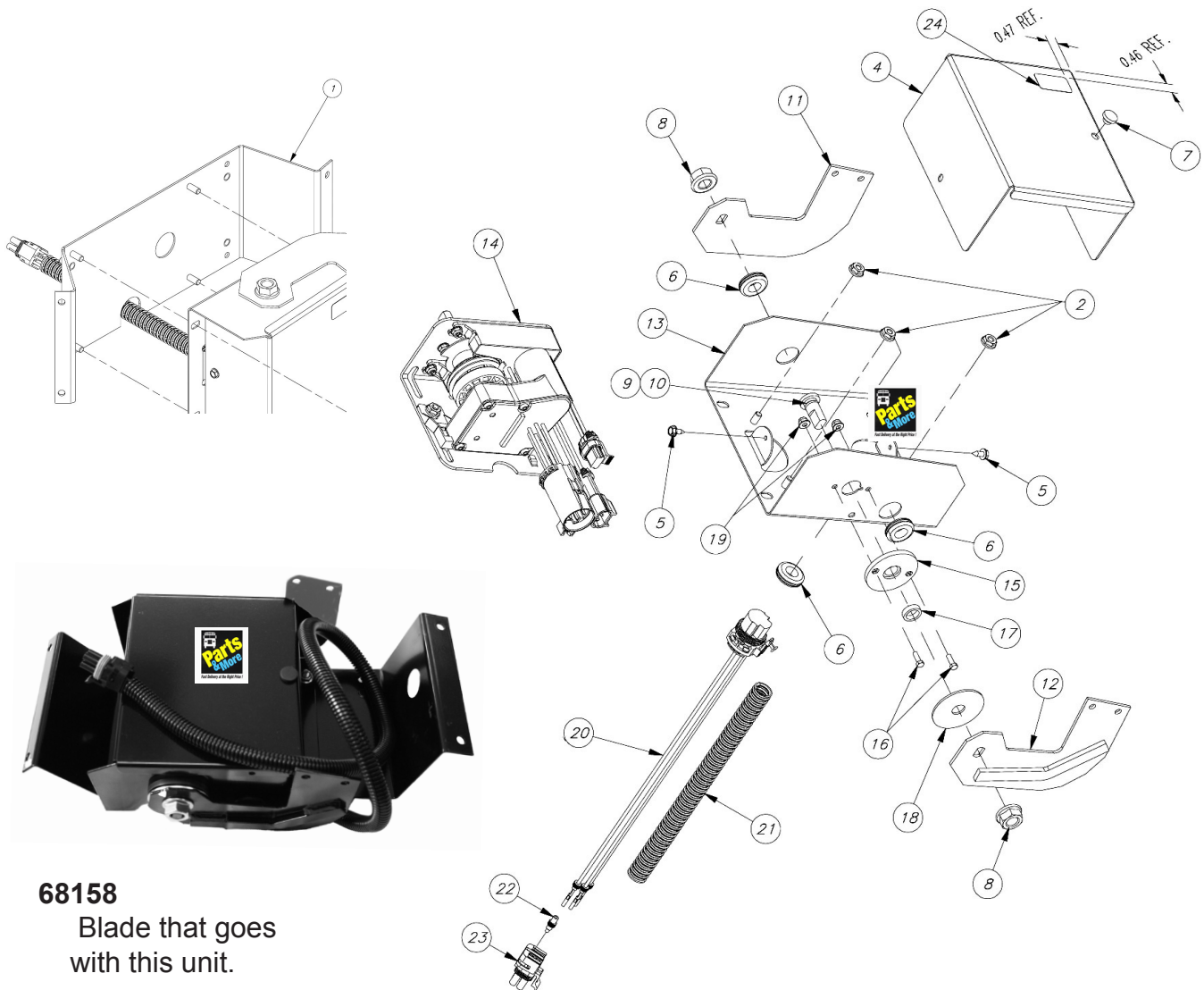
XE278140 ELECTRIC CROSS ARM BASE, THOMAS HDX



ITEM	QTY	PART NO.	DESCRIPTION
1	1	078135	HINGE ARM, ASM, HDX/EFX, ELEC, XA
2	1	007178K	KIT - MOTOR - S/A & X/A, DEFENDER WEDGE
3	1	006182K	KIT - PIN, BUSHING, NUT, X/A,
4	1	078133	BRACKET, MOUNTING, HDX/EFX, ELECT XA
5	1	078136	COVER, ENCLOSURE, XE2-HDX/EFX,XA
6	1	007458	HARNESS, WIRE - XE1, INT, XA
7	1	007318K	KIT - MOTOR HUB - S/A, X/A, DEFNDR WEDGE

CROSSING GATES

78218 ELECTRIC CROSS ARM BASE, AMTRAN, FE/RE



68158

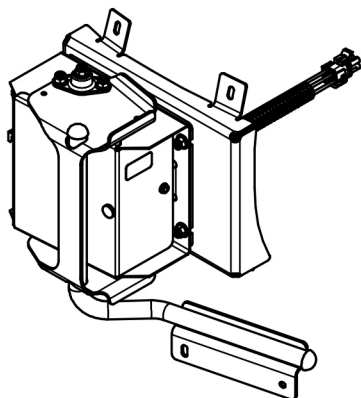
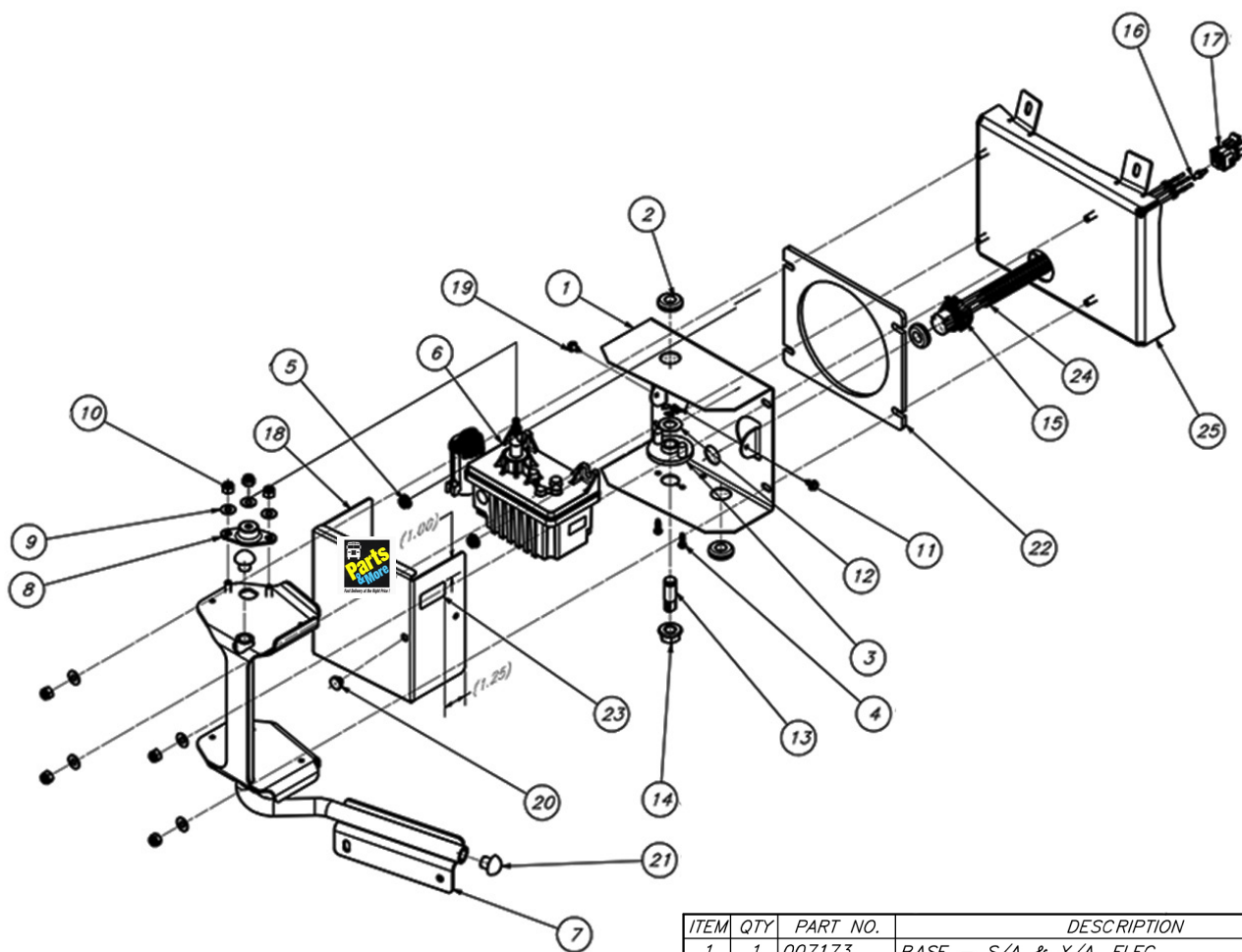
Blade that goes
with this unit.

- | | |
|------------|-----------------------|
| (1) 8210 | MOUNTING BRACKET |
| (2) 5142 | NUT |
| (4) 7125 | COVER |
| (5) 137S | SCREW |
| (6) 7027 | GROMMET |
| (7) T4262 | GROMMET |
| (8) 5122 | NUT |
| (9) 6131 | HINGE PIN |
| (10) 5032 | O-RING |
| (11) 68126 | HINGE |
| (12) 68136 | HINGE W/REINFORCEMENT |
| (13) 7101 | BASE |

- | | |
|-----------|------------|
| (14) 7701 | MOTOR ASSY |
| (15) 7123 | BUSHING |
| (16) 324 | SCREW |
| (17) 6041 | SEAL |
| (18) 6019 | WASHER |
| (19) 325 | NUT |
| (20) 7419 | HARNESS |
| (21) 5013 | LOOM |
| (22) 4053 | SEAL PLUG |
| (23) 5053 | PLUG |
| (24) 7199 | LABEL |

CROSSING GATES

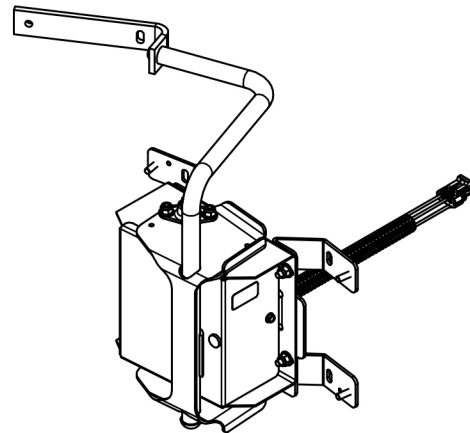
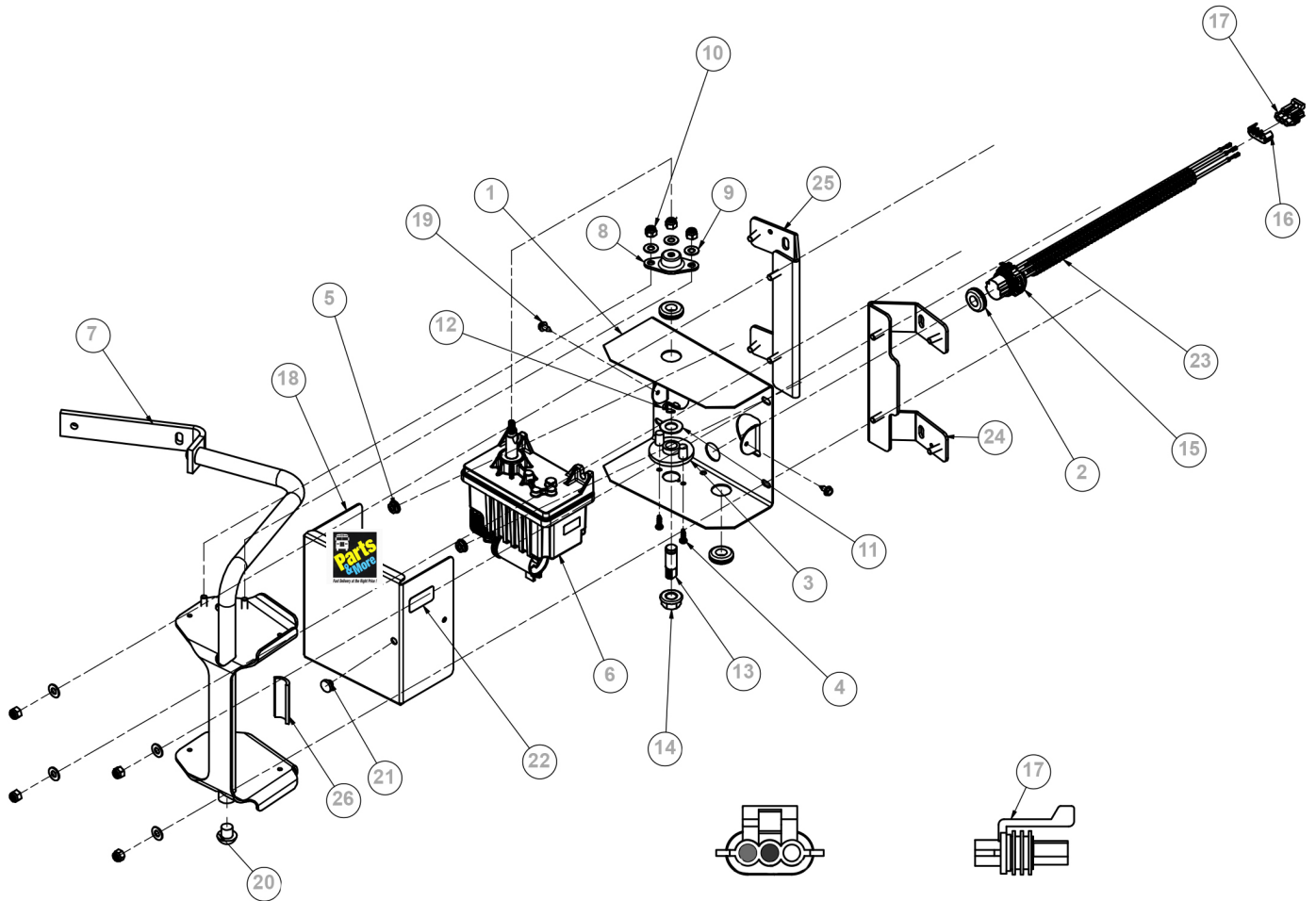
XE278075 ELECTRIC CROSS ARM BASE, BLUE BIRD



ITEM	QTY	PART NO.	DESCRIPTION
1	1	007173	BASE - S/A & X/A, ELEC
2	3	007027	GROMMET, 13/16" X 1/2", BLACK
3	1	007197	BUSHING, .503 ID X .747 O.D., NYLATRON
4	2	T2100-B	SCR, #10 X .54", HI-LO THRD, SS, BLACK
5	2	005142	NUT, 1/4-20 18-8 SS HX HD WHIZ
6	1	007178-1	MOTOR, S/A & X/A, WEDGE SHAFT
7	1	071017	WELDMENT, HINGE ARM, ELEC X/A
8	1	007318	HUB, HINGE ARM, ELEC S/A & X/A, STEEL
9	7	000147	WASHER- FLAT, 1/4 ID, SS
10	7	000142	NUT, 1/4-20 SS NYL LOCK
11	1	003039	RING, .375ID X .752OD X .05THK RETAINING
12	1	003038	WASHER, FLAT- .51 ID X .88D X 1/8THK, STL
13	1	071094	PIN, LOWER PIVOT HINGE, ELEC X/A
14	1	005122	NUT, WHIZ, HX WASHER, 1/2-20
15	1	007421	HARNESS, 7-SER, 14" X/A
16	1	004053	PLUG, SEAL, .280 CAVITY
17	1	005053	PLUG - WEATHERPACK, 4 HOLE
18	1	007125	COVER, 7-SERIES S/A & X/A
19	2	000137S	SCR, #10 X 0.5 IND FLNGD HX HD
20	1	T4262	GROMMET-BUMPER, SERVCO LATCH
21	2	000197	BUMPER, RUBBER
22	1	002008	GASKET, 7-SER, S/A AND X/A
23	1	007199	LABEL, 7-SERIES P/N
24	10"	005013	LOOM, BLACK CONV.
25	1	071010	BRACKET, MOUNTING, ELEC X/A, BBCV
26	1	071056	KIT, HARDWARE, BLUE BIRD MOUNTING

CROSSING GATES

XE278114 ELECTRIC CROSS ARM BASE, THOMAS

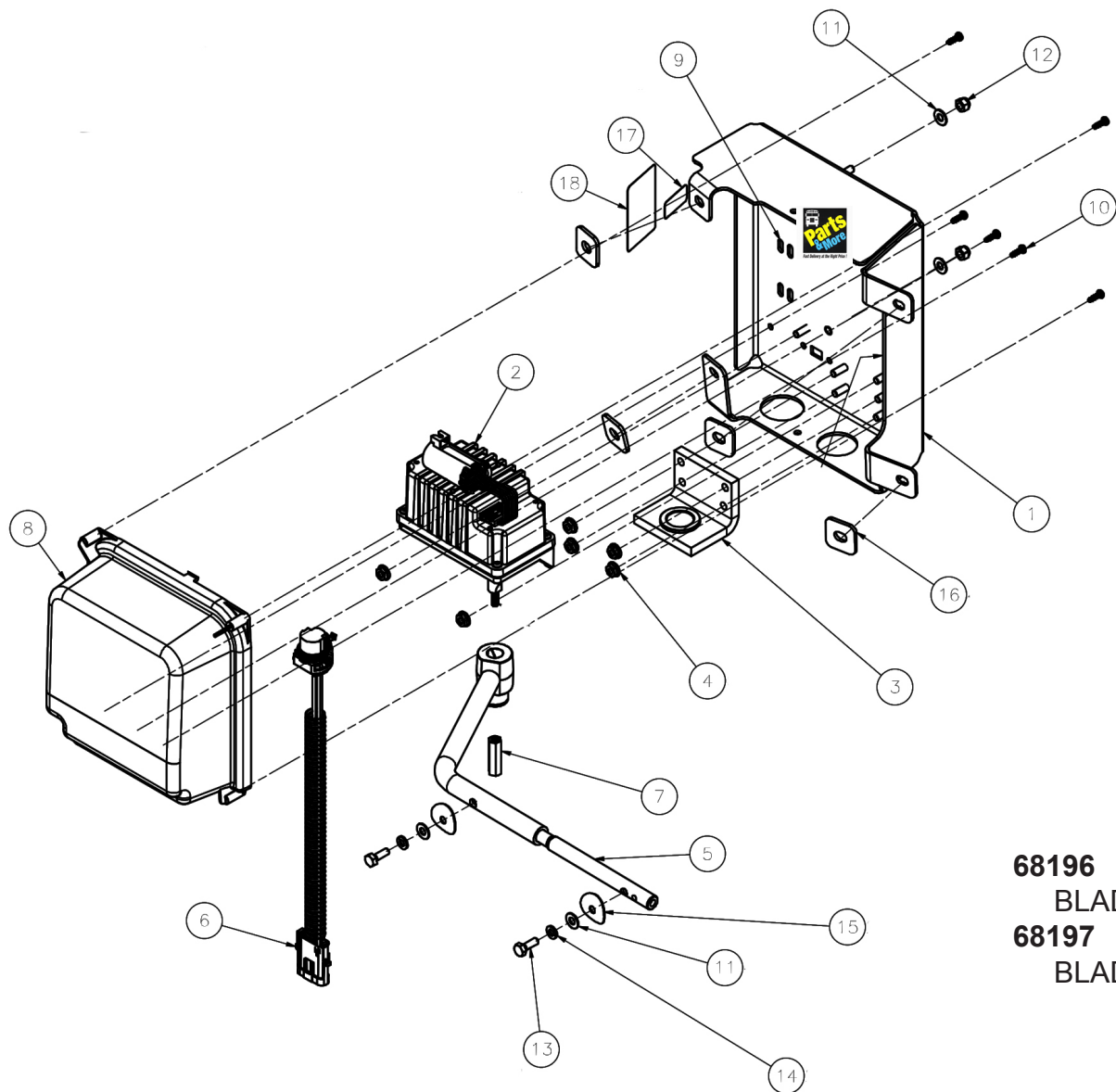


71291
BLADE FOR
THIS UNIT

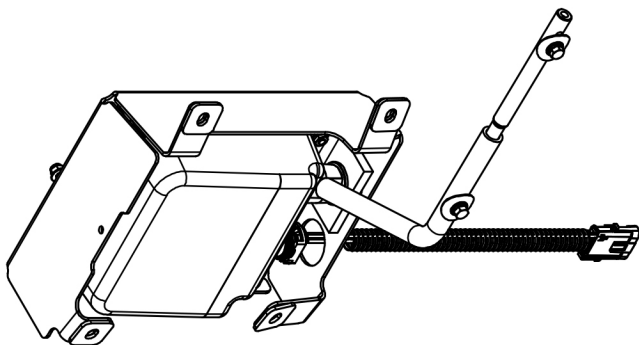
ITEM	QTY	PART NO.	DESCRIPTION
1	1	007173	BASE - S/A & X/A, ELEC
2	3	007027	GROMMET, 13/16" X 1/2", BLACK
3	1	007197	BUSHING, .503 ID X .747 O.D., NYLATRON
4	2	T2100-B	SCR, #10 X .54", HI-LO THRD, SS, BLACK
5	2	005142	NUT, 1/4-20 18-8 SS HX HD WHIZ
6	1	007178	MOTOR, S/A & X/A, WEDGE
7	1	071292	WELDMENT, HINGE ARM, ELEC X/A
8	1	007318	HUB, HINGE ARM, ELEC S/A & X/A, TAPER, STEEL
9	7	000147	WASHER- FLAT, 1/4 ID, SS
10	7	000142	NUT, 1/4-20 SS NYL LOCK
11	1	003038	WASHER, FLAT- .51 ID X .88D X 1/8THK, STL
12	1	003039	RING, .375ID X .752OD X .05THK RETAINING
13	1	071094	PIN, LOWER PIVOT HINGE, ELEC X/A
14	1	005122	NUT, WHIZ, HX WASHER, 1/2-20
15	1	007420	HARNESS, 7-SER, TBB C2 X/A
16	1	42-040	TPA-METRIPACK 150
17	1	42-039	CONNCTR-METRIPACK 150
18	1	007125	COVER, 7-SERIES S/A & X/A
19	2	000137S	SCR, #10 X 0.5 IND FLNGD HX HD
20	1	000197	BUMPER, RUBBER
21	1	T4262	GROMMET-BUMPER, SERVCO LATCH
22	1	007199	LABEL, 7-SERIES P/N
23	1	005013	LOOM - BLACK, CONV.
24	1	071219	BRACKET, WING 2, MOUNTING, ELEC X/A, C2
25	1	071218	BRACKET, WING, MOUNTING, ELEC X/A, C2
26	1	002006	GASKET-2.75" x 1.25" x .120THK

CROSSING GATES

XE278198 ELECTRIC CROSS ARM BASE, NAVISTAR CE



68196
BLADE 68"
68197
BLADE 72"



ITEM	QTY	PART NO.	DESCRIPTION
1	1	071093	BRACKET, MOUNTING, IC X/A
2	1	007178	MOTOR, S/A & X/A, WEDGE
3	1	071087	SUB-ASSY, X/A BEARING HOUSING & BEARING
4	6	005142	NUT, 1/4-20 18-8 SS HX HD WHIZ
5	1	071091	HINGE ARM, WEDLMNT
6	1	071248	HARNESS, WIRE, ELEC X/A
7	1	071084	NUT, COUPLING, 1/4-20 X 1-1/2 STEEL ZINC
8	1	071088	COVER, MOTOR, ELEC X/A
9	2	003018	TIE STRAP, 11"
10	6	T2100-B	SCR, #10 X .54", HI-LO THRD, SS, BLACK
11	4	000147	WASHER- FLAT, 1/4 ID, SS
12	2	000142	NUT, 1/4-20 SS NYL LOCK
13	2	000115	SCREW- 1/4-28x3/4 HXHD, SS, THD PATCH
14	2	000148	WASHER- LOCK, 1/4 ID, SS
15	2	006006	WASHER, 1.25 O.D. FORMED FENDER
16	4	071231	SPACER, RUBBER, VIBRATION DAMPING
17	1	007199	LABEL, 7-SERIES P/N
18	1	000107	DECAL, S/A & X/A BASE SPECIALTY

CROSSING GATES

XE2-78280 ELECTRIC CROSS ARM BASE, IC CE 2025+

NEW

NEW



COMPONENTS FOR COMPLETE UNIT

78250	SLUSH COVER
78260	STOW BRACKET
78270	CROSSING GATE BLADE

C
R
O
S
S
I
N
G

G
A
T
E
S