

ES220

Spreader



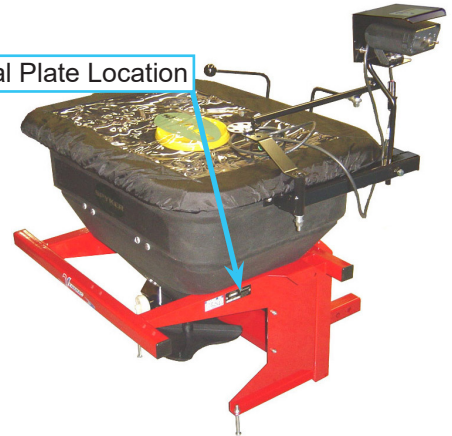


500 Venture Drive
Orrville Oh 44667
www.ventrac.com

Serial Number Description



Serial Plate Location



Notes

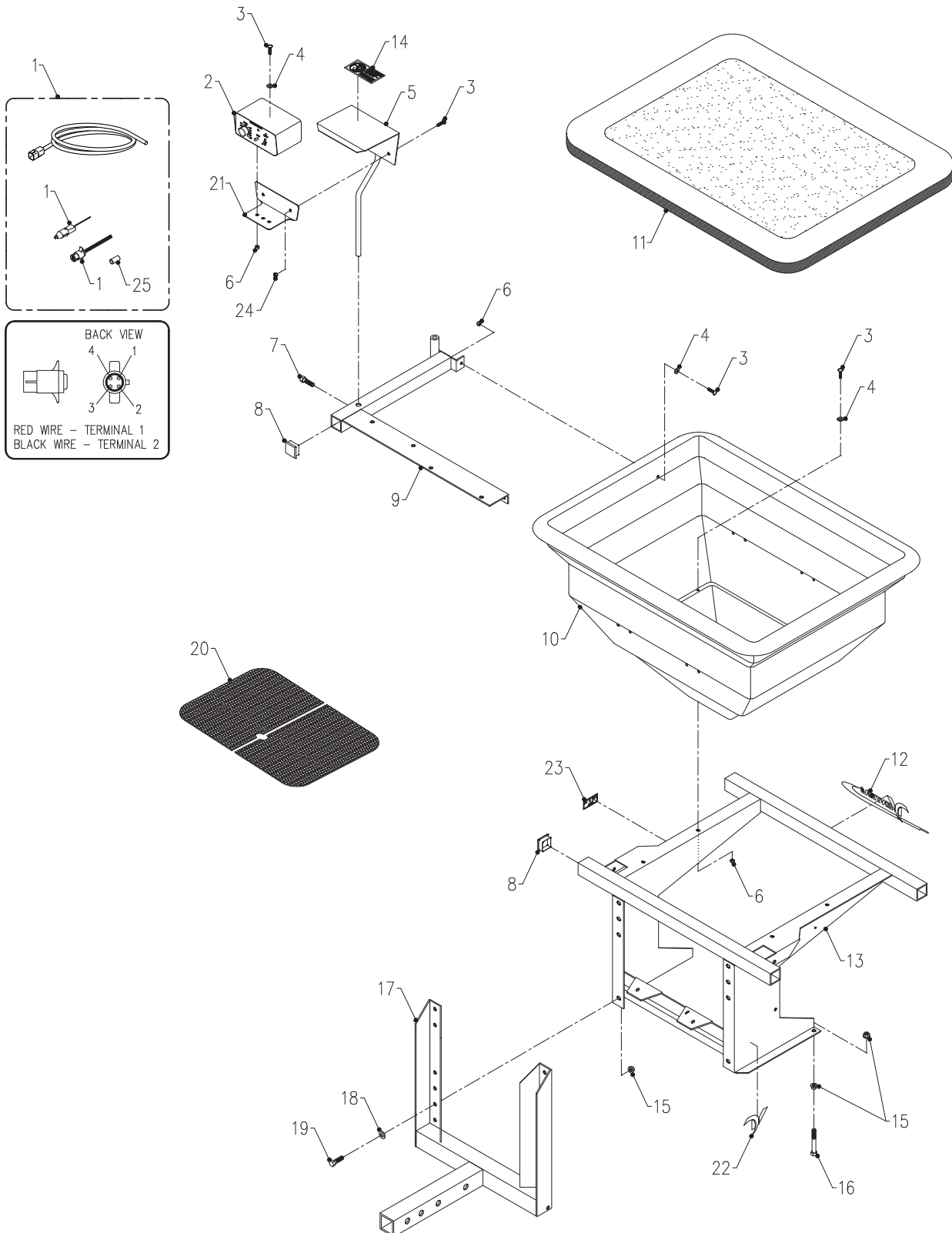
- If any component requires replacement, use only original Ventrac replacement parts.
- When ordering new components, be sure to order all required safety decals. All current safety decals must be affixed to the replacement components prior to installation of the component.

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PARTS

ILLUSTRATED DRAWING Main Frame, Hopper, & Electronic Control



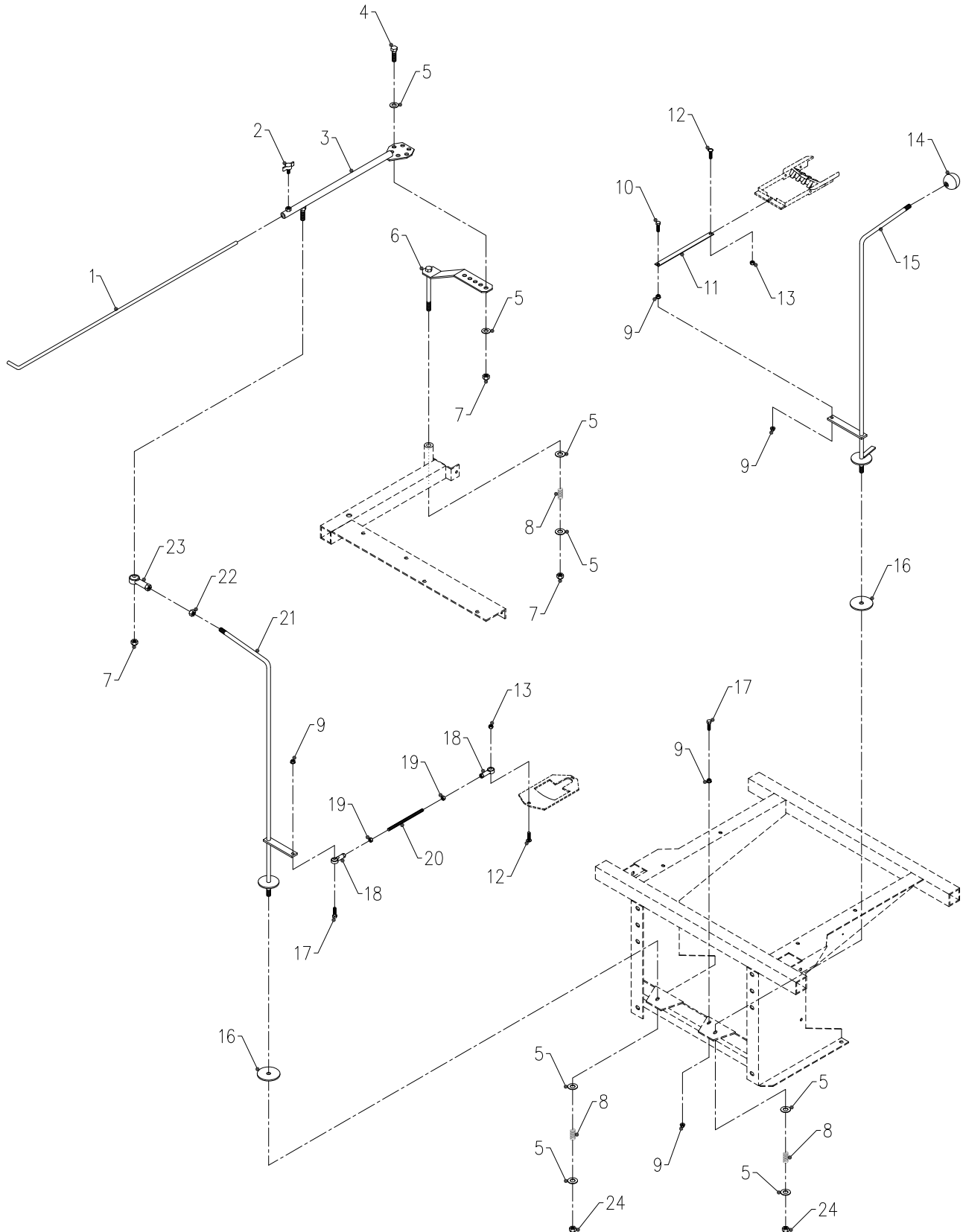
PARTS

Main Frame, Hopper, & Electronic Control

REF.	PART NO.	DESCRIPTION	QTY.
1	30.0222	.PLUG, MALE 12V POWER OUTLET (Serial # 1001-1288)	1
1	30.0218	.PLUG, TRAILER 4-PIN MALE (Serial # 1289-)	1
1	70.8277	.HARNESS, ES220 CONTROLLER COMPLETE	1
2	07.20128	.CONTROL, MOTOR VARIABLE SPEED	1
3	99.K0095	.MACHINE SCREW, 1/4 X 3/4 SS	12
4	05.0099	.WASHER, NYLON 1/4	10
5	64.1089	.BOX, ELECTRIC CONTROL	1
6	99.A04N-3	.LOCKNUT, NYLON 1/4-20 USS SS	10
7	90.0608	.BOLT, 3/8-16 USS X 1	1
8	05.0100	.PLUG, SQUARE 1-3/8 OD RIBBED	5
9	62.0996	.FRAME, CONTROL ARMS TOP MT	1
10	07.20106	.HOPPER, PLASTIC	1
11	07.20103	.COVER, HOPPER PLASTIC ES220	1
12	00.0212	.DECAL, VENTRAC ORBITAL (Serial # 1001-2234)	1
12	00.0781	.DECAL, VENTRAC (Serial # 2235-)	1
13	62.0995	.FRAME, MAIN	1
14	00.0217	.DECAL, WARNING READ OWNERS MAN (Serial # 1001-2006)	1
14	00.0619	.DECAL, READ OPERATOR'S MANUAL (Serial # 2007-)	1
15	99.SF06	.NUT, SRF 3/8-16 USS	8
16	90.0628	.BOLT, 3/8-16 USS X 3 1/2	2
17	62.0999	.FRAME, MAIN HITCH	1
18	95.06	.WASHER, FLAT 3/8 SAE	4
19	90.0606	.BOLT, 3/8-16 USS X 3/4	4
20	07.20127	.SCREEN, 2 PIECE	1
21	64.1307	.BRACKET, SPEED CONTROL MT	1
22	00.0192	.DECAL, V-DECAL DIE CUT BLUE	1
23	00.0770	.DECAL, MADE IN USA	1
24	99.SF04-3	.NUT, SRF 1/4-20 USS STAINLESS	2
25	27.T06-2-1IN.	.TUBE, PVC CLEAR 3/8 OD X 1/4 ID X 1"	1

PARTS

ILLUSTRATED DRAWING Gate & Diffuser Control Handles & Linkage



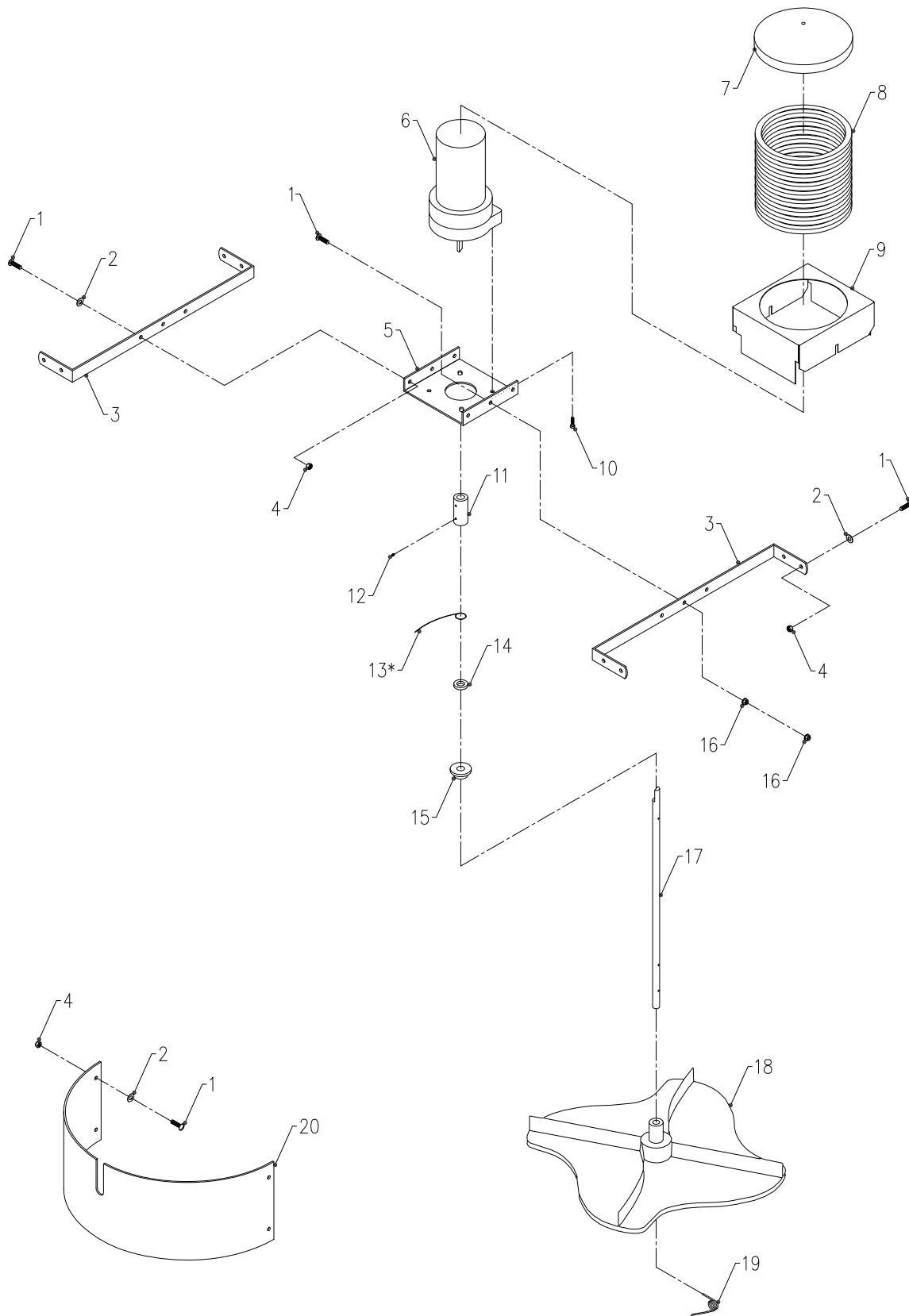
PARTS

Gate & Diffuser Control Handles & Linkage

REF.	PART NO.	DESCRIPTION	QTY.
1	42.0465	.ROD, CR 5/16 X 38L	1
2	47.0228	.THUMB SCREW, 5/16-18 X 5/8	1
3	62.0997	.TUBE, CONTROL LEVER MOUNT	1
4	90.0608	.BOLT, 3/8-16 USS X 1	1
5	95.06	.WASHER, FLAT 3/8 SAE	8
6	42.0464	.ARM, CONTROL HANDLE PIVOT	1
7	99.A06N	.LOCKNUT, NYLON 3/8-16	3
8	41.0039	.SPRING, COMP. 9/16 OD X 5/8	3
9	99.SF04	.NUT, SRF 1/4-20 USS	5
10	90.0410	.BOLT, 1/4-20 USS X 1 1/4	1
11	42.0463	.LINK, SS SPREAD CONTROL	1
12	99.K0095	.MACHINE SCREW, 1/4 X 3/4 SS	2
13	99.A04N-3	.LOCKNUT, NYLON 1/4-20 USS SS	2
14	47.0227	.KNOB, BALL 1-3/8 DIA 3/8-24	1
15	40.0315	.ARM, FLOW GATE ON/OFF	1
16	05.0098	.WASHER, 1/2ID X 2-1/4OD 1/8THK	2
17	90.0408	.BOLT, 1/4-20 USS X 1	2
18	43.004P	.ROD END, 1/4 SPHERICAL PLASTIC	2
19	93.04	.NUT, 1/4-28 SAE	2
20	99.J0440NFSS	.THREADED ROD, 1/4 SAE X 5" SS	1
21	40.0316	.ARM, SPREAD CONTROL	1
22	93.06	.NUT, 3/8-24 SAE	1
23	43.006	.ROD END, 3/8 SPHERICAL	1
24	99.A06NFN	.LOCKNUT, NYLON 3/8-24 SAE ZP	2

PARTS

ILLUSTRATED DRAWING Motor & Spinner



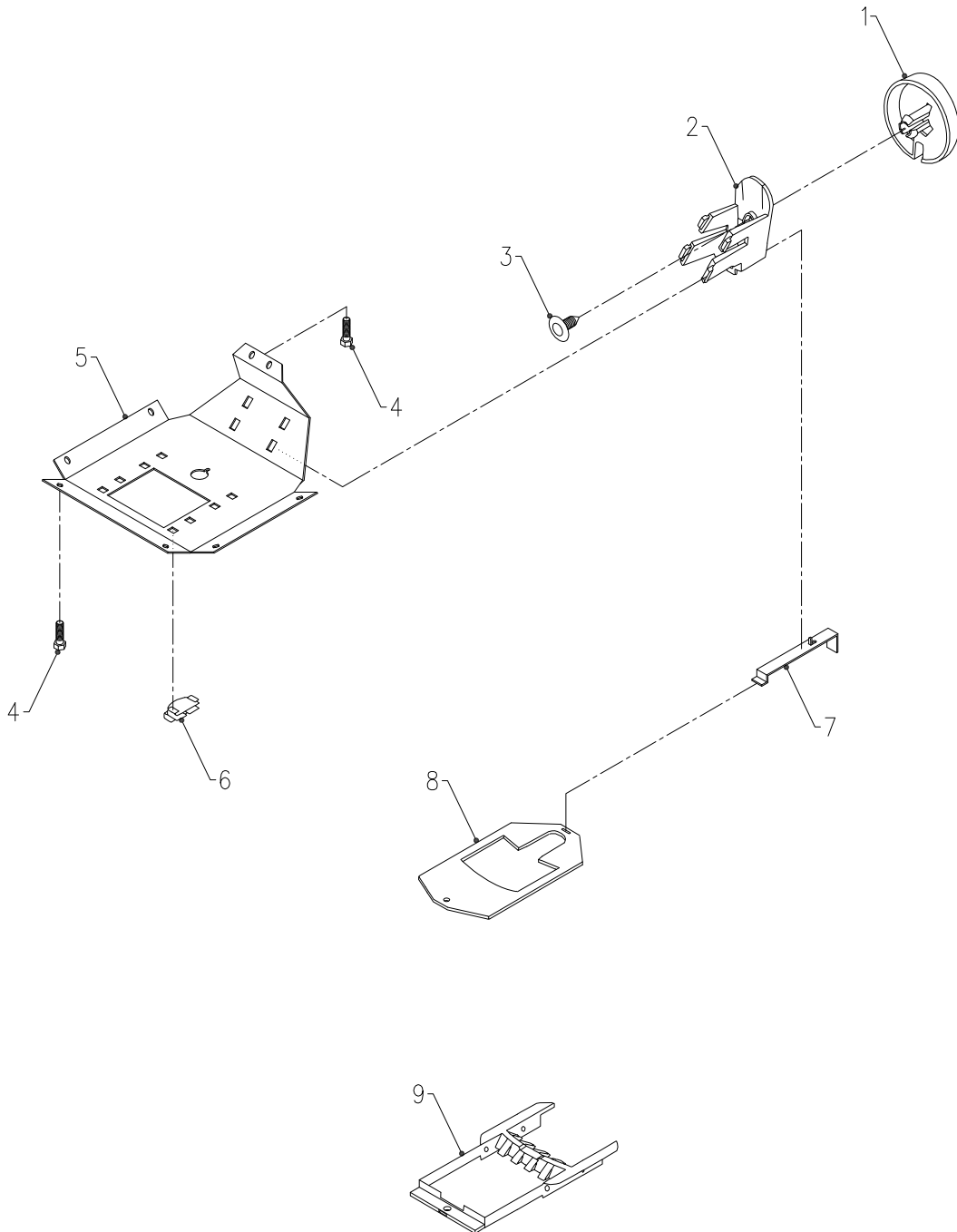
PARTS

Motor & Spinner

REF.	PART NO.	DESCRIPTION	QTY.
1	99.K0095	MACHINE SCREW, 1/4 X 3/4 SS	18
2	05.0099	WASHER, NYLON 1/4	16
3	07.20109	BRACKET, MOTOR MOUNT	2
4	99.A04N-3	LOCKNUT, NYLON 1/4-20 USS SS	16
5	07.20110	PLATE, MOTOR MOUNT BASE	1
6	07.20105	MOTOR, ELECTRIC GEAR ES220	1
7	47.0229	CAP, VINYL YELLOW FLANGE COVER	1
8	47.0230	TUBE, 6" DRAIN TILE X 6-3/4	1
9	60.0877	COVER, MOTOR BASE	1
10	90.0404-3	BOLT, 1/4-20 USS X 1/2 SS	4
11	07.20107	COUPLING, SPINNER SHAFT	1
11	07.20123	KEY, HEX (Not Shown)	1
12	85.SS24	SET SCREW, 1/4-20 X 3/8 SS	2
13	07.20119	WIRE, AGITATOR (For Seed & Pellet Mulch)	1
14	07.20124	WASHER, FELT	1
15	07.20112	BEARING, HOPPER BOTTOM	1
16	99.SF04-3	NUT, SRF 1/4-20 USS STAINLESS	4
17	07.20108	SHAFT, SPINNER	1
18	07.20120	SPINNER, GREY PLASTIC	1
19	07.20122	CLIP, SPINNER	1
20	07.20125	SHIELD, DEFLECTOR	1

PARTS

ILLUSTRATED DRAWING Rate Dial, Gate, & Diffuser



PARTS

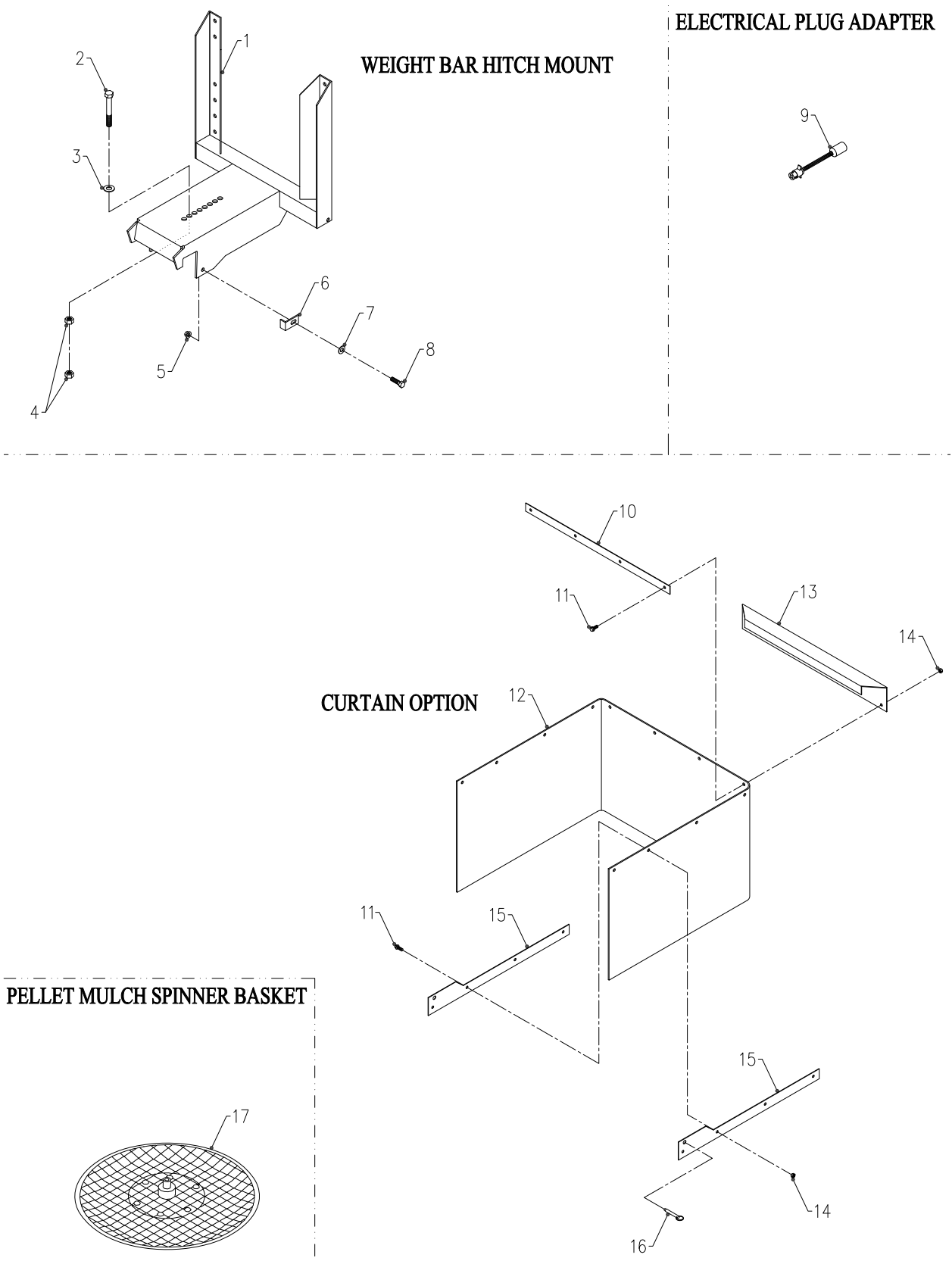
Rate Dial, Gate, & Diffuser

REF.	PART NO.	DESCRIPTION	QTY.
1	07.20117	.DIAL	1
2	07.20118	.MOUNT, DIAL	1
3	07.20121	.CLIP, PINE TREE	1
4	90.0404-3	.BOLT, 1/4-20 USS X 1/2 SS	8
5	07.20111	.PLATE, HOPPER BOTTOM	1
6	07.20113	.GUIDE, RATE GATE & DIFFUSER	4
7	07.20116	.LINKAGE, RATE GATE	1
8	07.20114	.GATE, RATE	1
9	07.20115	.ASSEMBLY, DIFFUSER	1

PARTS

ILLUSTRATED DRAWING

Optional Weight Bar Hitch, Curtain Kit, Mulch Basket Spinner



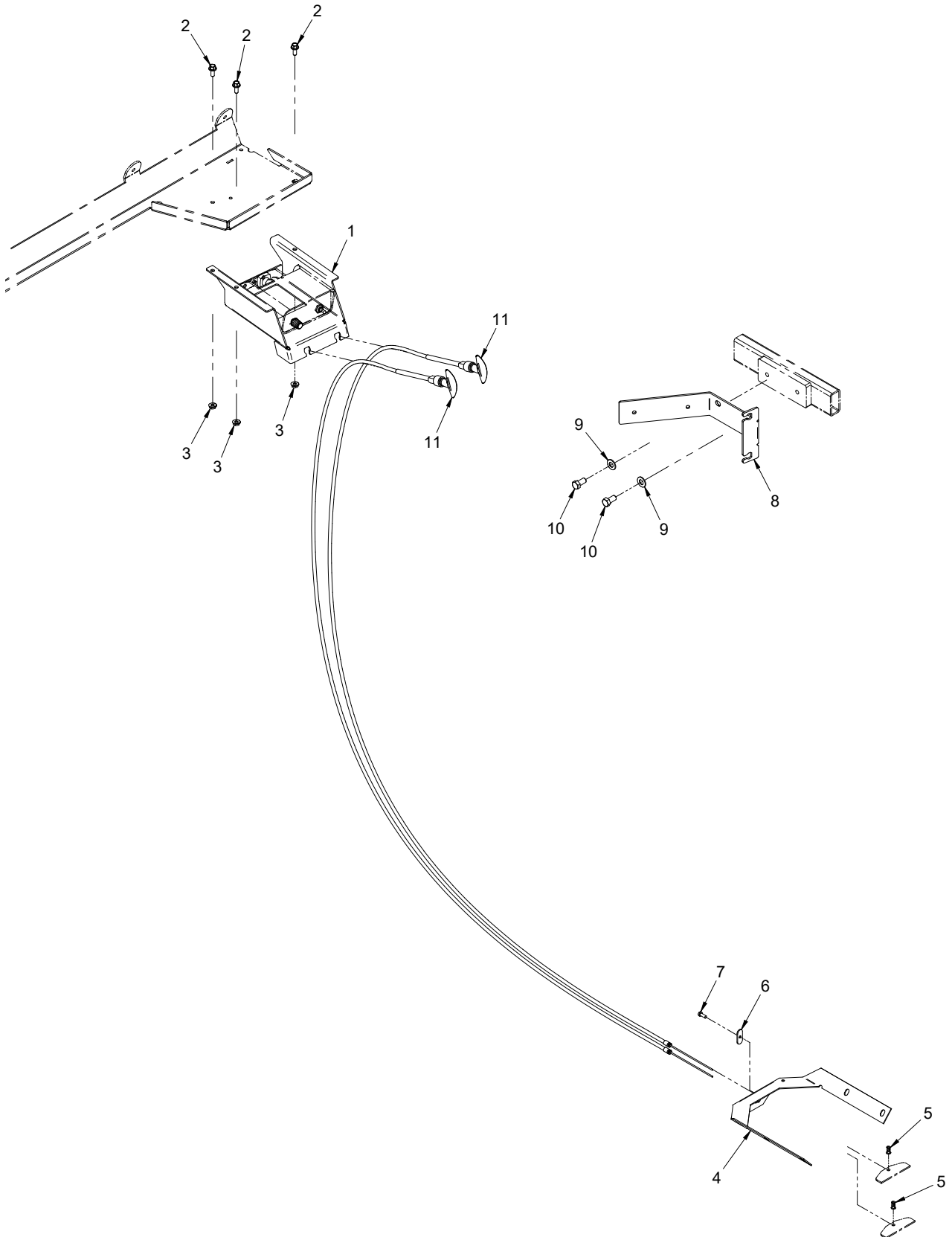
PARTS

Optional Weight Bar Hitch, Curtain Kit, Mulch Basket Spinner

REF.	PART NO.	DESCRIPTION	QTY.
1	62.0998	.HITCH, WEIGHT BAR ES220	1
2	90.0824	.BOLT, 1/2-13 USS X 3 (For Standard Hitch)	1
2	90.0848	.BOLT, 1/2-13 USS X 6 (For 3-Point Hitch)	1
3	94.08	.WASHER, FLAT 1/2 USS	1
4	92.08	.NUT, 1/2-13 USS	2
5	99.SF06	.NUT, SRF 3/8-16 USS	2
6	64.1093	.SHIM, HEIGHT ADJUSTMENT	4
7	95.06	.WASHER, FLAT 3/8 SAE	2
8	90.0608	.BOLT, 3/8-16 USS X 1	2
9	34.1400-1010	.ADAPTER, ELECTRIC 4 PIN TO 12V	1
10	64.1091	.CLAMP, CURTAIN BACKER BAR	1
11	90.0406	.BOLT, 1/4-20 USS X 3/4	12
12	44.0203	.RUBBER, CONTAINMENT CURTAIN	1
13	64.1090	.BRACKET, CURTAIN MOUNT	1
14	99.A04	.LOCKNUT, STOVER 1/4-20 USS	12
15	64.1092	.BRACKET, CURTAIN SIDE SUPPORT	4
16	03.0006	.PIN, BALL 3/8 X 1"	2
17	07.20102	.SPREADER, MULCH SPINNER BASKET	1

PARTS

ILLUSTRATED DRAWING 70.8105 Cable Control Kit



PARTS

70.8105 Cable Control Kit

REF.	PART NO.	DESCRIPTION	QTY.
1	64.1507	.BRACKET, KW350 ES220 CABLE	1
2	99.SF0405-1	.BOLT, SMF 1/4-20 X 5/8	3
3	99.SF04	.NUT, SRF 1/4-20 USS	3
4	47.0296	.BRACKET, CABLE MOUNT ES220	1
5	47.0295	.FASTENER, CABLE ES220	2
6	45.0049	.RETAINER, CABLE ES220	1
7	99.K0117	.BOLT, 10-32 X 1/2 SS	1
8	64.1508	.BRACKET, LW350 ES220 CABLE	1
9	95.06	.WASHER, FLAT 3/8 SAE	2
10	90.0606	.BOLT, 3/8-16 USS X 3/4	2
11	47.0294	.CABLE, CONTROL 8 FT	2