

Parts Catalog



ENCORE

EA46XS/50XL/60XL

Residential Zero Turn Mower



ENCORE MANUFACTURING.

401 N. Commerce Street, Beatrice, NE 68310

Toll Free Number: 1-800-267-4255

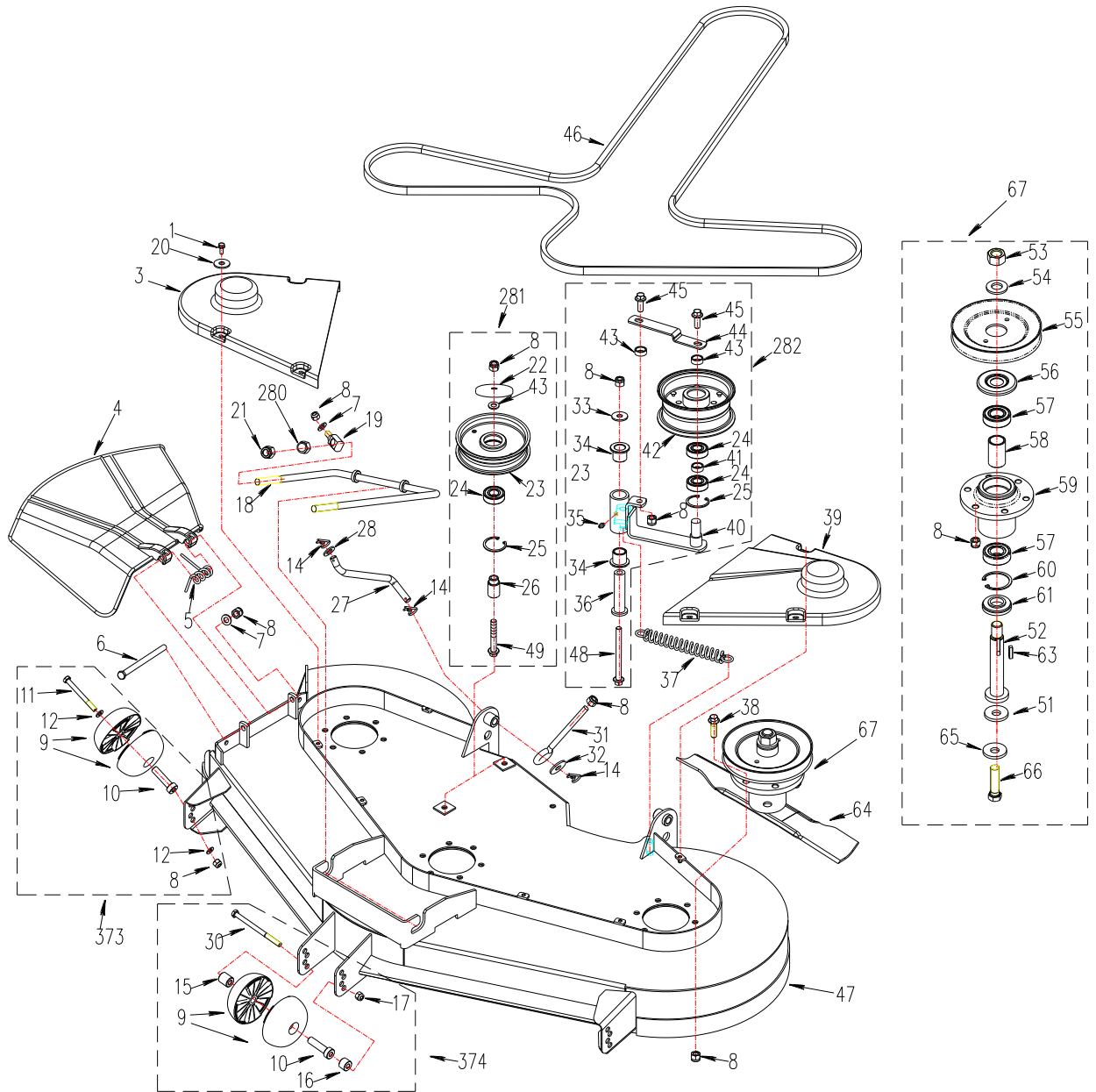
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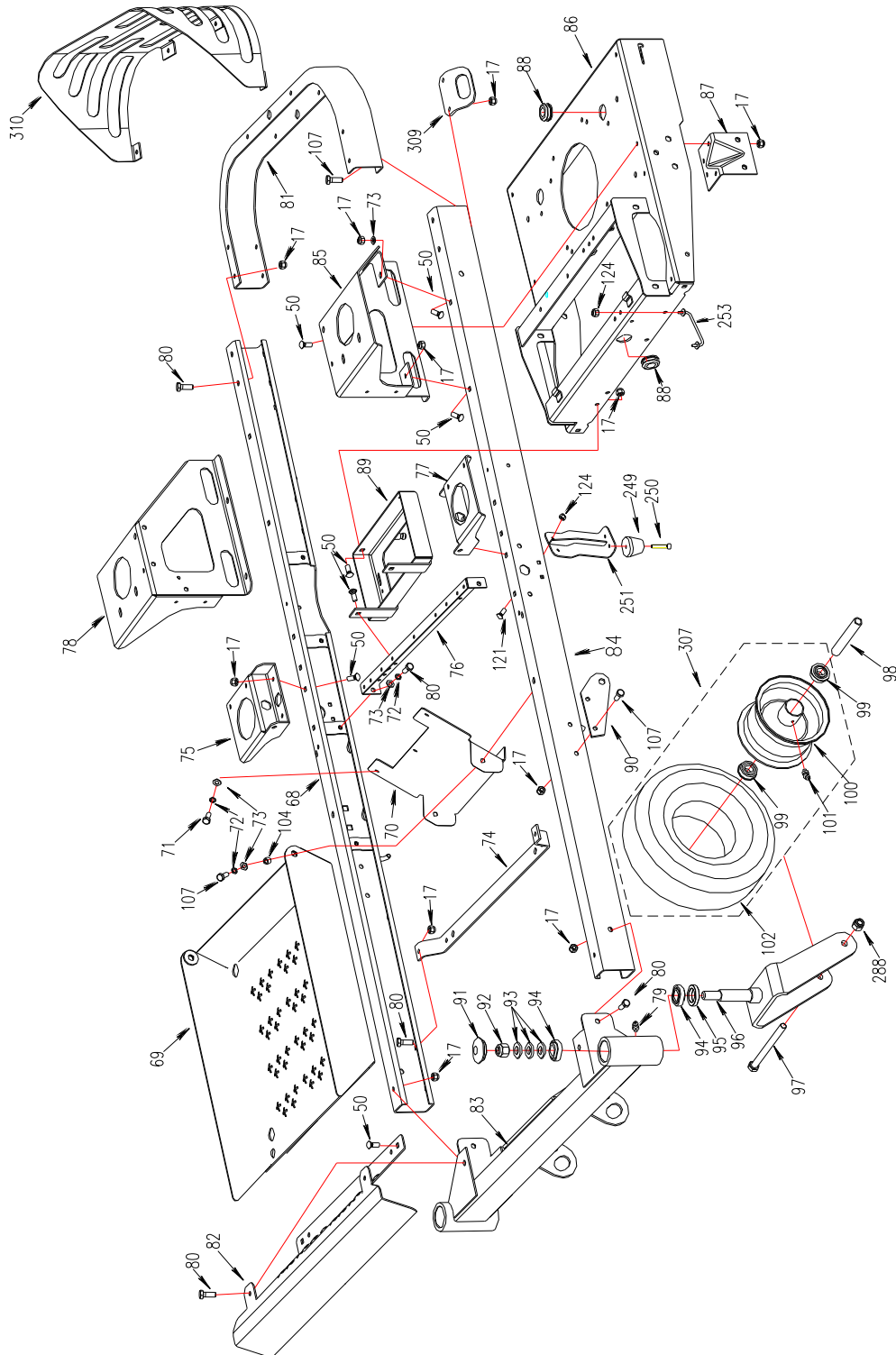
Mower Deck Assembly



Mower Deck Assembly

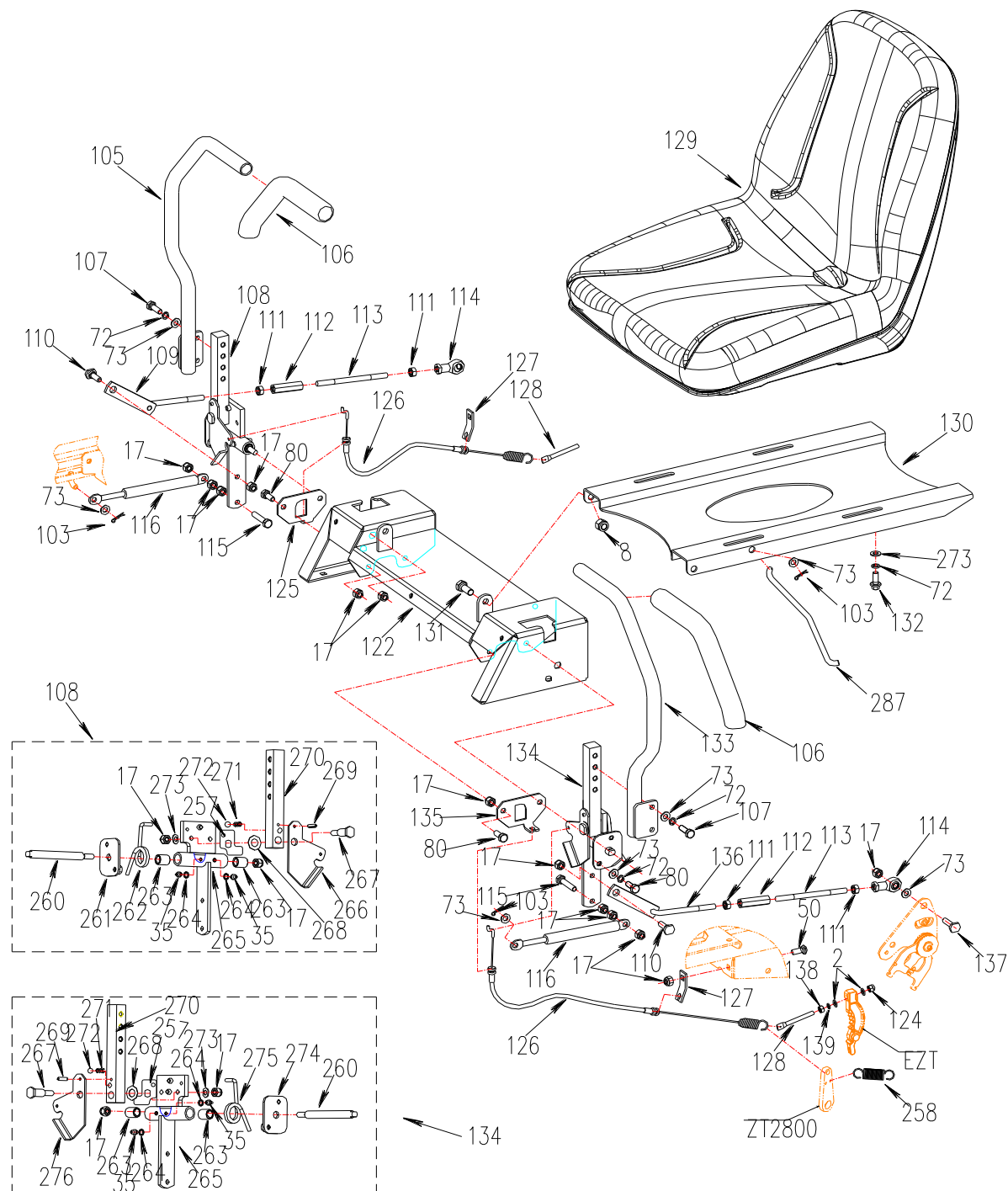
Ref	P/N	Description	46XS	50XL	60XL	Ref	P/N	Description	46XS	50XL	60XL
1	B5783-616	Hex hd bolt M 6×16	×	×	×	40	5001090	Deck Belt Tension Arm	×	×	×
3	4601119	Right Belt Cover	×			41	5201077	Bearing Spacer	×	×	×
	5001016A	Right Belt Cover WLD		×		42	5201064	Tension Pulley	×	×	×
	5001016	Right Belt Cover		×		43	5201078	Bearing Spacer M10	×	×	×
	6011003	Right Belt Cover			×	44	5201062	Tension Pulley Brace	×	×	×
4	5001004	Discharge Chute	×	×	×	45	B5787-1025	Bolt M10X25	×	×	×
5	5001007	Torsion Spring	×	×	×	46	4601002	Blade Drive Belt	×		
6	2802008	Bolt M10*160	×	×	×		5001002	Blade Drive Belt		×	
7	B97.1-10	Flat Washer M10	×	×	×		6011001	Blade Drive Belt			×
8	B6182-10	Locknut M10	×	×	×	47	4601340	Deck Weldment	×	×	×
9	T001121	Floating Roller	×	×	×		5001340	Deck Weldment	×	×	×
10	T001122	Bolt Sleeve	×	×	×		6011040	Deck Weldment	×	×	×
11	B5782-880	Bolt M8*80	×	×	×	48	B5787-10110	Bolt M10×110	×	×	×
12	B97.1-8	Flat Washer M8	×	×	×	49	B5787-1070	Bolt M10×70	×	×	×
14	4806002	Hair Pin	×	×	×	51	5001307	Blade Washer	×	×	×
15	5001331	Bushing 1	×	×	×	52	6011143	Spindle Shaft	×	×	×
16	5001332	Bushing 2	×	×	×	53	B6171-20	Nut M20×1.5	×	×	×
17	B6182-8	Locknut M8	×	×	×	54	5201048	Washer (2)	×	×	×
18	5001304	Front Deck Support Rod	×	×	×	55	4601356	Blade Pulley	×		
19	5001303	Support Rod Pivot Bushing	×	×	×		5001306	Blade Pulley		×	
20	B96-6	Flat washer M6	×	×	×		6011141	Blade Pulley			×
21	B6182-12	Locknut M12	×	×	×	56	5201044	Upper Dust Guard	×	×	×
22	5201291	Bearing Cover	×	×	×	57	B276-6205RS	Bearing 6205-2RS	×	×	×
23	5201012	Idler Pulley	×	×	×	58	5201049	Spindle Bearing Spacer	×	×	×
24	B276-	Bearing 6203-2RS	×	×	×	59	5201050	Spindle Housing	×	×	×
25	B893.1-40	Snap Ring M40	×	×	×	60	B893.1-52	Snap Ring M52	×	×	×
26	5201011	Idler Spacer Bushing	×	×	×	61	5201043	Lower Dust Guard	×	×	×
27	5001005	Deck Stabilizer Rod	×	×	×	63	B1096-B625	Key B6×25	×	×	×
28	B97.1-12	Washer M12	×	×		64	4601001U	Blade	×		
30	B5782-8120	Bolt M8×120	×	×	×		5001001U	Blade		×	
31	5001401	Deck lift Rod	×	×	×		6001004U	Blade			×
32	5001006	Washer M12	×	×	×	65	5201042	Washer (1)	×	×	×
33	5001083	Washer M10	×	×	×	66	B5785-161560	Bolt M16×1.5×60	×	×	×
34	3301003	Olite bronze bushing	×	×	×	67	4601355	Spindle Assembly	×		
35	B1152-6	Grease Fitting M6	×	×	×		5001305	Spindle Assembly		×	
36	5001081	Pivot Tensioner Mount	×	×	×		6011140	Spindle Assembly			×
37	5207015	Tension Spring	×	×	×	280	B6172-12	Locknut M12	×	×	×
38	B5787-1035	Bolt M10×35	×	×	×	281	5201010	Tension Pulley ASM	×	×	×
39	4601120	Left Belt Cover	×			282	5001080	Tension Pulley ASM	×	×	×
	5001017A	Left Belt Cover WLD		×		373	T001120	Anti Scalp Roller ASM	×	×	×
	5001017	Left Belt Cover		×		374	5001330	Anti Scalp Roller ASM	×	×	×
	6011002	Left Belt Cover			×						

Front Frame Assembly



Front Frame Assembly

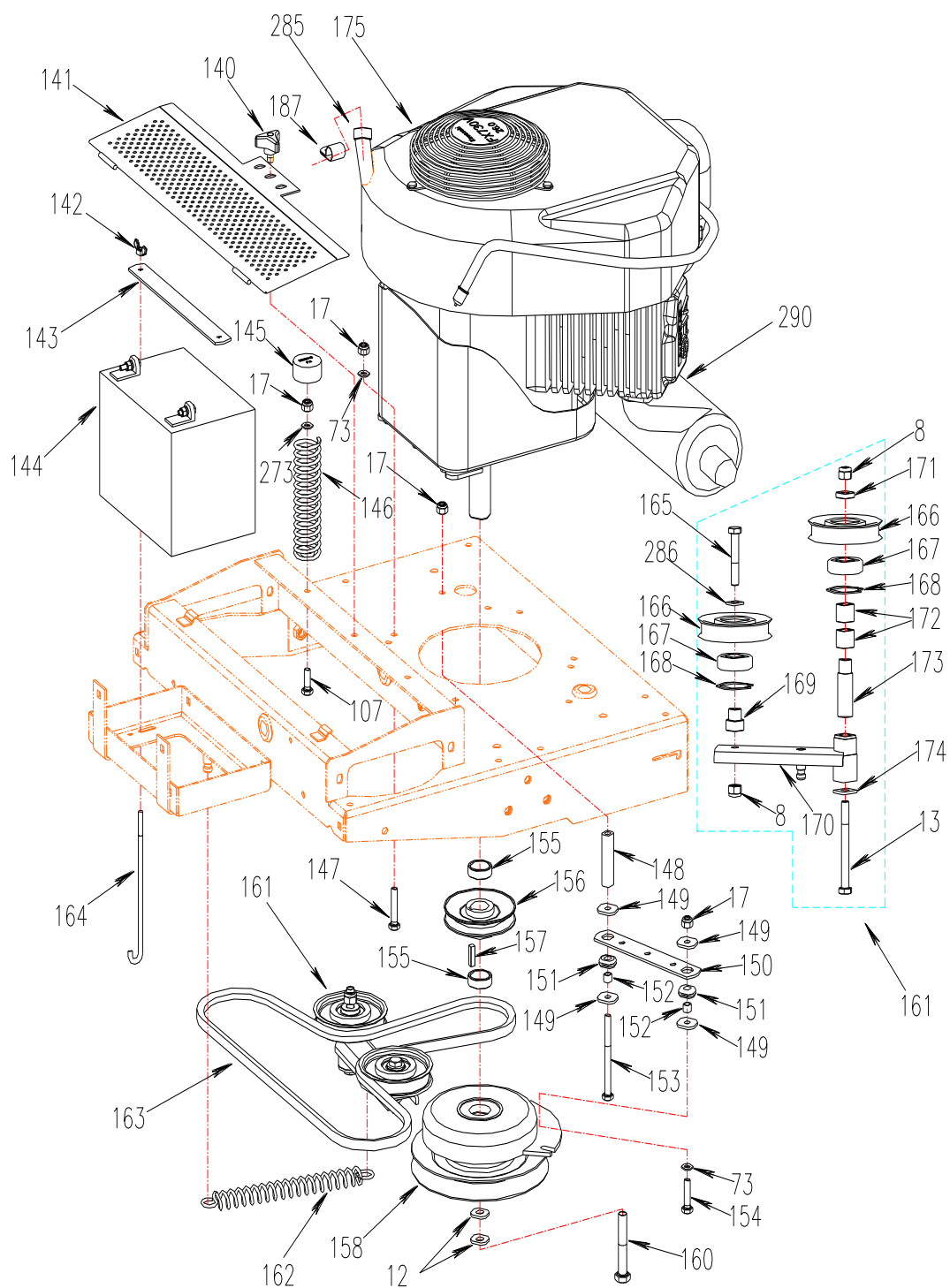
Ref	P/N	Description	46XS	50XL	60XL	Ref	P/N	Description	46XS	50XL	60XL
17	B6182-8	Locknut M8	x	x	x	93	5002091	Spring washer M16	x	x	x
50	B801-820	Hex Hd Bolt M8x20	x	x	x	94	B297-32922	Bearing 329/22	x	x	x
68	5002335	Right Beam	x	x	x	95	B9877.1-28407	Grease Seal 28x40x7	x	x	x
69	5002355	Foot Plate	x	x	x	96	5002435	Caster Wheel Yoke	x	x	
70	5002305	Panel	x	x	x	97	B5782-12180	Bolt M12x180	x	x	x
71	B5783-816	Hex Hd Bolt M8x16	x	x	x	98	5002324	Caster Wheel Bushing	x	x	
72	B93-8	Split Lock Washer M8	x	x	x	99	5002103	Bearing	x	x	x
73	B97.1-8	Flat Washer M8	x	x	x	100	5002442	Wheel Rim 6x3.2		x	x
74	5002321	Front Supporting Plate	x	x	x		5000050	Wheel Rim 5x3	x		
75	5002017	Front RH Tank Bracket	x	x	x	101	B1153-6	Grease Fitting M6, 45°	x	x	x
76	5002322	Middle Cross Beam	x	x	x	102	5002411	Tire 13x5		x	x
77	5002016	Front LH Tank Bracket	x	x	x		5002101	Tire 11x4	x		
78	5002310	Rear RH Tank Bracket	x	x	x	104	5002007	Bushing	x	x	x
79	B1152-8	Grease Fitting M8x1	x	x	x	107	B5783-825	Hex Hd Bolt M8x25	x	x	x
80	B5783-820	Bolt M8x20	x	x	x	121	B801-616	Hex Hd Bolt M6x16	x	x	x
81	5002323	Rear Guard	x	x	x	124	B6182-6	Locknut M6	x	x	x
82	5002407	Front Bump	x	x	x	249	5201003	Cushion	x	x	x
83	5002425	Front Beam	x	x	x	250	B70-630	Screw M6x30	x	x	x
84	5002330	Left Beam	x	x	x	251	5002365	Deck Stop	x	x	x
85	5002309	Rear LH Tank Bracket	x	x	x	253	5002390	Wire rod welding	x	x	x
86	5002380	Engine Base Weldment	x	x	x	288	B6182-12	Locknut M12	x	x	x
87	5002085	Frame Brace	x	x	x	307	5002445	Front Wheel(White)		x	x
88	4LZ2.16.4-04	Rubber Bushing M29	x	x	x		5002100	Front Wheel(White)	x		
89	5002336	Battery Tray	x	x	x	309	5009026	Fixed Plate	x	x	x
90	5002408	StabilizerArm Mount	x	x	x	310	5002029A	Rear Engine Guard	x	x	x
91	5002020	Cap,Dust	x	x	x						
92	B6184-16	Nut M16	x	x	x						



Control Assembly

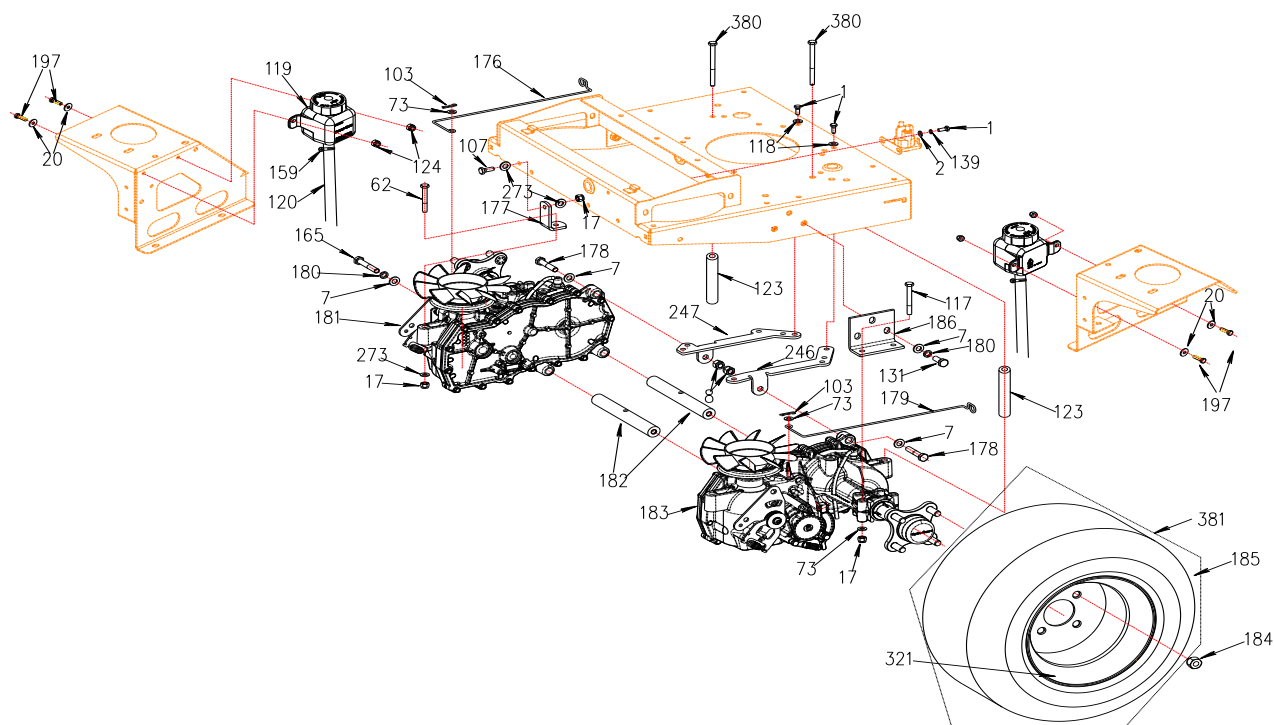
Ref	P/N	Description	46XS	50XL	60XL	Ref	P/N	Description	46XS	50XL	60XL
2	B97.1-6	Flat Washer M6	×			131	B5783-1025	Bolt M10×25	×	×	×
8	B6182-10	Locknut M10	×	×	×	132	3300106/10027	Bolt 5/16-18×3/4	×	×	×
17	B6182-8	Locknut M8	×	×	×	133	5002140A	Left Handle	×	×	×
35	B1152-6	Grease Fitting M6	×	×	×	134	5002341	LH Handle Mount	×	×	×
50	B801-820	Hex Hd Bolt M8×20	×	×	×	135	5002032	Left Switch Bracket	×	×	×
72	B93-8	Split Lock Washer M8	×	×	×	136	5002131	Left Control Link	×	×	×
73	B97.1-8	Flat Washer M8	×	×	×	137	5002009	Axle Pin 2	×	×	×
80	B5783-820	Bolt M8×20	×	×	×	138	B6170-6	Nut M6	×		
103	XSZ56-1-17	Hair Pin	×	×	×	139	B93-6	Lock Washer M6	×		
105	5002145A	Right Handle	×	×	×	257	5002270	Pad	×	×	×
106	5002034	Handle Grip	×	×	×	258	5002260	Brake Tension Spring	×	×	×
107	B5783-825	Hex Hd Bolt M8×25	×	×	×	260	5002111	Pivot Shaft	×	×	×
108	5002343	RH Handle Mount	×	×	×	261	5002347	Spring Bracket RH	×	×	×
109	5002138	RH Control link	×	×	×	262	5002118	Torsion Spring, RH	×	×	×
110	5002008	Shoulder Pin	×	×	×	263	B2685-121618	Oilite Bronze Bearing	×	×	×
111	B6170-8	Locknut M8	×	×	×	264	B861.1-6	Washer M6	×	×	×
112	5002134	Neutral Buckle M8	×	×	×	265	5002120	Pivot Block Weldment	×	×	×
113	5002135	Screw M8	×	×	×	266	5002344	Right Brake Panel	×	×	×
114	SIBJK 8T	Rod End Bearing	×	×	×	267	5002112	Operating Pin Roll	×	×	×
115	B5783-840	Hex Hd Bolt M8×40	×	×	×	268	2806061	Washer M12	×	×	×
116	5205012	Damper	×	×	×	269	B897-520	Pin 5×20	×	×	×
122	5002350	Control Panel Mount	×	×	×	270	5002113	Pole	×	×	×
124	B6182-6	Locknut M6	×			271	5002114	Spring	×	×	×
125	5002031	Right Switch Bracket	×	×	×	272	B308-4	Steel Ball SR4	×	×	×
126	5002210	Brake Cable	×	×	×	273	2800006	Flat Washer M8	×	×	×
127	5002005	Cable Mount Bracket	×	×	×	274	5002345	Spring Bracket LH	×	×	×
128	5002026	Brake Adjustment Link	×			275	5002117	Torsion Spring, LH	×	×	×
129	5000098	Seat	×	×	×	276	5002342	Left Brake Panel	×	×	×
130	5000081A	Seat Plate	×	×	×	287	5000002	Seat Pull Rod	×	×	×

Engine System



Ref	P/N	Description	46XS	50XL	60XL	Ref	P/N	Description	46XS	50XL	60XL
8	B6182-10	Locknut M10	×	×	×	161	5002160	Tension Pulley Assembly	×		
12	5201061	Washer	×	×	×		6012010	Tension Pulley Assembly		×	×
13	B5782-10100	Bolt M10×100	×	×	×	162	4806004	Idler Spring	×	×	×
17	B6182-8	Locknut M8	×	×	×	163	5002004	Pump Drive Belt	×		
73	B97.1-8	Flat Washer M8	×	×	×		6012004	Pump Drive Belt		×	×
107	B5783-825	Hex Hd Bolt M8×25	×	×	×	164	5208203	hook rod	×	×	×
140	3302190	Three-Arm Knob	×	×	×	165	B5782-1060	Bolt M10×60	×	×	×
141	5002385	Fan Cover	×	×	×	166	5002175	Tension Idler	×	×	×
142	B62-6	Nut M6	×	×	×	167	B276-6303RS	Bearing 6303-2RS	×	×	×
143	3203004	Battery Strap	×	×	×	168	B893.2-47	Snap Ring M47	×	×	×
144		Battery	×	×	×	169	5002161	Spacer	×	×	×
145	5203045	Spring Cover	×	×	×	170	5002165	Idler Fixed seat	×		
146	5002022	Spring	×	×	×		6012011	Idler Fixed seat		×	×
147	B5783-835	Hex Hd Bolt M8×35	×	×	×	171	5002164	Padding block	×	×	×
	5203435	Bolt 3/8-16UNC×1-1/2		×	×	172	B2685-202420	Bearing 20×24×20	×	×	×
148	5002371	Clutch Stop Spacer	×	×	×	173	5002163	Pivot Bushing	×	×	×
149	5203408	Washer	×	×	×	174	3307004	Washer M11	×	×	×
150	5203411	Clutch Stop Strap	×	×	×	175		Kawasaki FR651V	×		
151	5203410	Rubber Washer M17	×	×	×			Kawasaki FR691V		×	×
152	5203409	Bushing	×	×	×	187	3601020	Clamp	×	×	
153	B5782-890	Hex Hd Bolt M8×90	×	×	×	273	2800006	Flat Washer M8	×	×	×
154	B5783-835	Hex Hd Bolt M8×35	×	×	×	285	5203420	Oil Drain Hose	×	×	×
155	3607002	Bushing	×	×	×	286	3302058	Washer M10	×	×	×
156	5002152	Pump Drive Pulley	×	×	×	290	5002268	Muffler(Kawasaki FR)	×	×	×
157	5203405	Key 6.35×25	×	×	×						
158	463564	Clutch	×								
	4804005A	Clutch		×	×						
160	5203412	Bolt 7/16-20UNF×3	×	×	×						

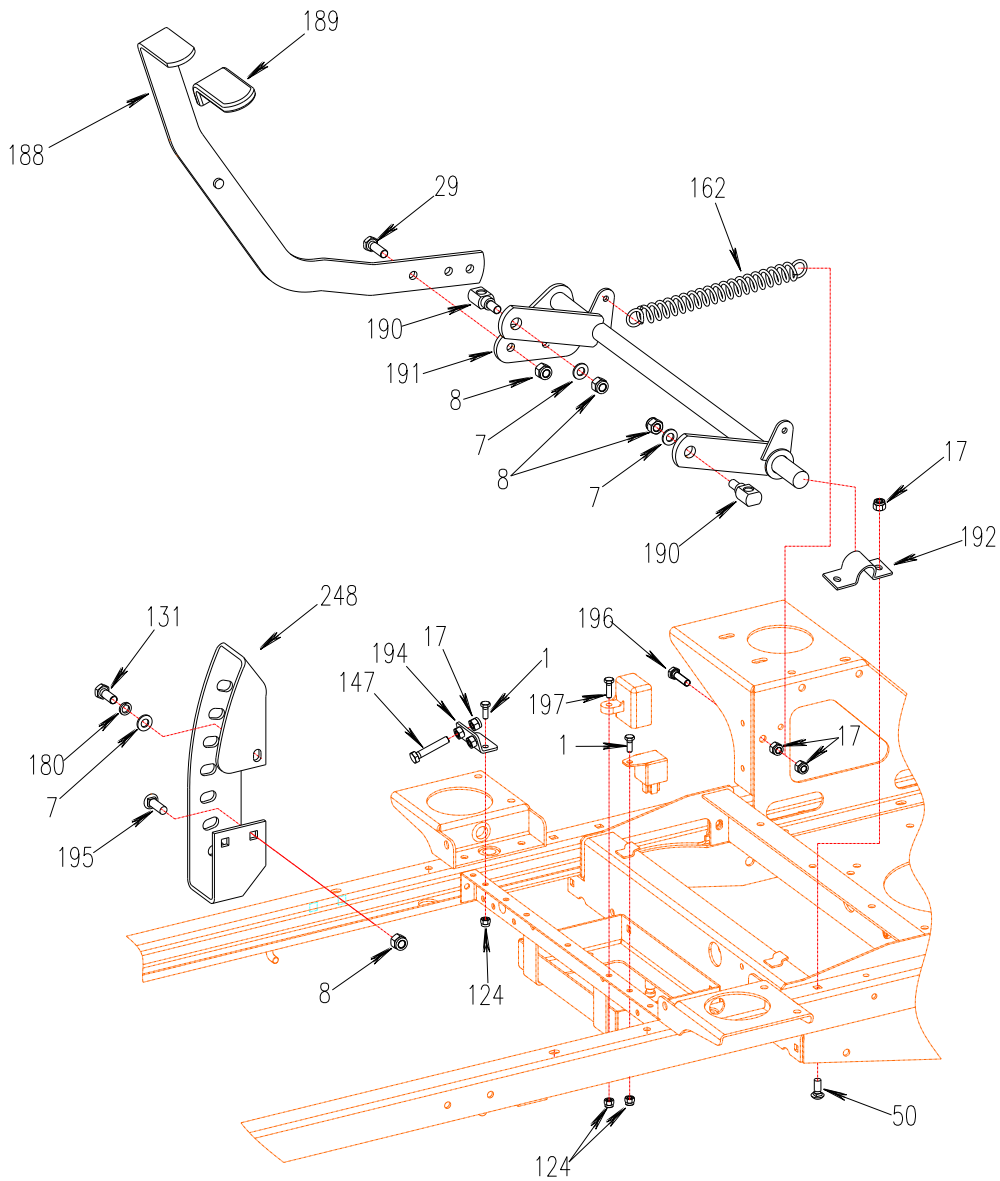
Driving System



Ref	P/N	Description	46XS	50XL	60XL
1	B5783-616	Hex hd bolt M6×16	×	×	×
2	B97.1-6	Flat Washer M6	×	×	×
7	B97.1-10	Flat Washer M10	×	×	×
17	B6182-8	Locknut M8	×	×	×
20	B96-6	Flat washer M6		×	×
62	B5782-860	Bolt M8×60	×	×	×
73	B97.1-8	Flat Washer M8	×	×	×
103	XSZ56-1-17	Hair Pin	×	×	×
107	B5783-825	Hex Hd Bolt M8×25	×	×	×
117	B5782-870	Bolt M8×70	×		
	B5782-880	Bolt M8×80		×	×
118	2802183	Washer M6	×	×	×
119	6012021	Oil Tank		×	×
120	6012022	HOSE		×	×
123	6012005	Spacer Bushing		×	×
124	B6182-6	Locknut M6		×	×
131	B5783-1025	Bolt M10×25	×	×	×
139	B93-6	Lock Washer M6	×	×	×
159	B8870-20	Hose Clamp 12-20		×	×
165	B5782-1060	Bolt M10×60	×	×	×
176	5002024	Release, Hydro RH	×		
	6012009	Release, Hydro RH		×	×
177	5002012	Fixed Plate, Front	×	×	×

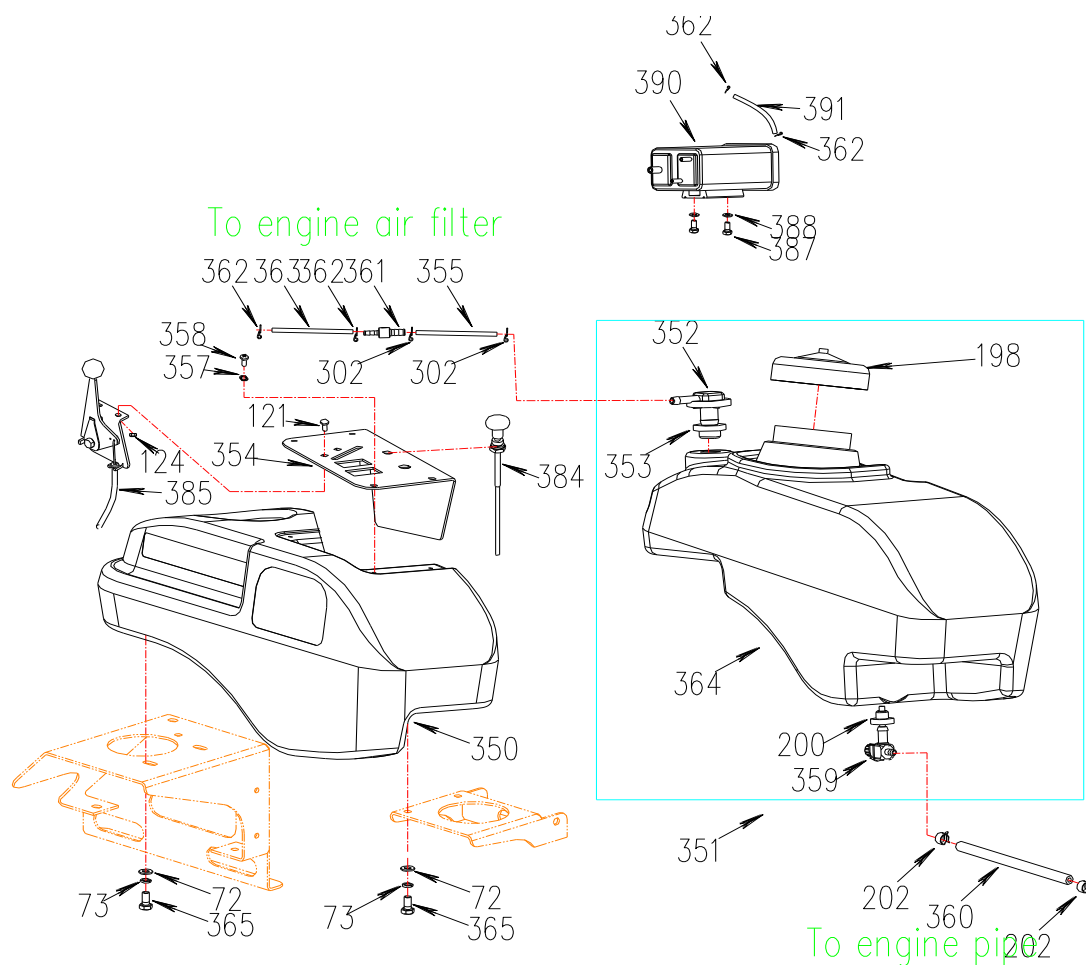
Ref	P/N	Description	46XS	50XL	60XL
178	B5782-1050	Bolt M10×50	×		
179	5002023	Release, Hydro LH	×		
	6012008	Release, Hydro LH		×	×
180	B93-10	Washer M10	×	×	×
181	5002011	Right Drive Axle	×		
	6012014	Right Drive Axle		×	×
182	5002087	Axle	×		
	6012020	Axle		×	×
183	5002010	Left Drive Axle	×		
	6012013	Left Drive Axle		×	×
184	5000001/103023	Nut 1/2-20UNF	×	×	×
185	5000056	Tire 20×10-8		×	×
	5000051	Tire 18×9.5-8	×		
186	5002013	Outer Axle Bracket	×	×	×
197	B5783-620	Bolt M6×20		×	×
246	5002014	LH Inner Axle Bracket	×	×	×
247	5002015	RH Inner Axle Bracket	×	×	×
273	2800006	Flat Washer M8	×	×	×
380	B5782-8130	Bolt M8×130		×	×
321	5000052	Rim 8×7	×	×	×
381	5000060	Drive Wheel 20×10-8		×	×
	5000050	Drive Wheel 18×9.5-8	×		

Mower Deck Height Adjustment



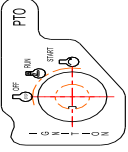
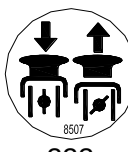
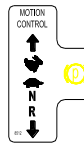
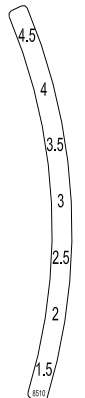
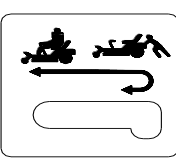
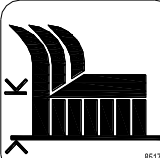
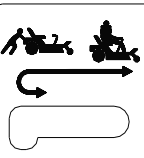
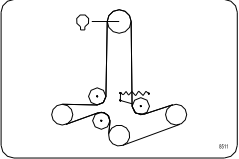
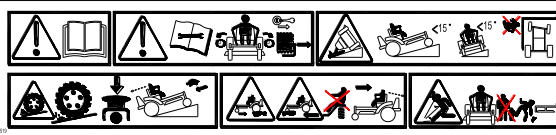
Ref	P/N	Description	46XS	50XL	60XL	Ref	P/N	Description	46XS	50XL	60XL
1	B5783-616	Hex hd bolt M6×16	×	×	×	188	5002190	Lift Lever	×	×	×
7	B97.1-10	Flat Washer M10	×	×	×	189	5002025	Handle Grip	×	×	×
8	B6182-10	Locknut M10	×	×	×	190	5002001	Swivel	×	×	×
17	B6182-8	Locknut M8	×	×	×	191	5002360	DeckLiftShaft	×	×	×
29	B5783-1030	Hex Hd Bolt M10×30	×	×	×	192	5002306	Clamp	×	×	×
50	B801-820	Hex Hd Bolt M8×20	×	×	×	194	5002250	Limited Adjustable Plate	×	×	×
124	B6182-6	Locknut M6	×	×	×	195	B801-1030	Bolt M10×30	×	×	×
131	B5783-1025	Bolt M10×25	×	×	×	196	B5783-830	Hex Hd Bolt M8x30	×	×	×
147	B5783-845	Bolt M8×45	×	×	×	197	B5783-620	Bolt M6*20	×	×	×
162	4806004	Idler Spring	×	×	×	248	4602021	Cutting Height	×	×	×
180	B93-10	Washer M10	×	×	×						

Fuel Tank Assembly



Ref	P/N	Description	46XS	50XL	60XL
72	B93-8	Split Lock Washer	×	×	×
73	B97.1-8	Flat Washer M8	×	×	×
198	363413	Fuel Tank Cap	×	×	×
200	3307023B/53312	Fuel Tank	×	×	×
202	B8870-16	Hose Clamp 10-16	×	×	×
302	12105-1P68FS-0000	Flexible Clamp	×	×	×
350	823374	Fender	×	×	×
351	822153	Fuel Tank ASM	×	×	×
352	593370	vent valve	×	×	×
353	363412	seal ring	×	×	×
354	5000152A	Control Panel	×	×	×
355	5000140	Fuel Line (Φ8.5×	×	×	×
357	B861.1-5	Washer	×	×	×
358	5000129	Bolt 10-24UNC×	×	×	×
359	393044	SHUT-OFF	×	×	×

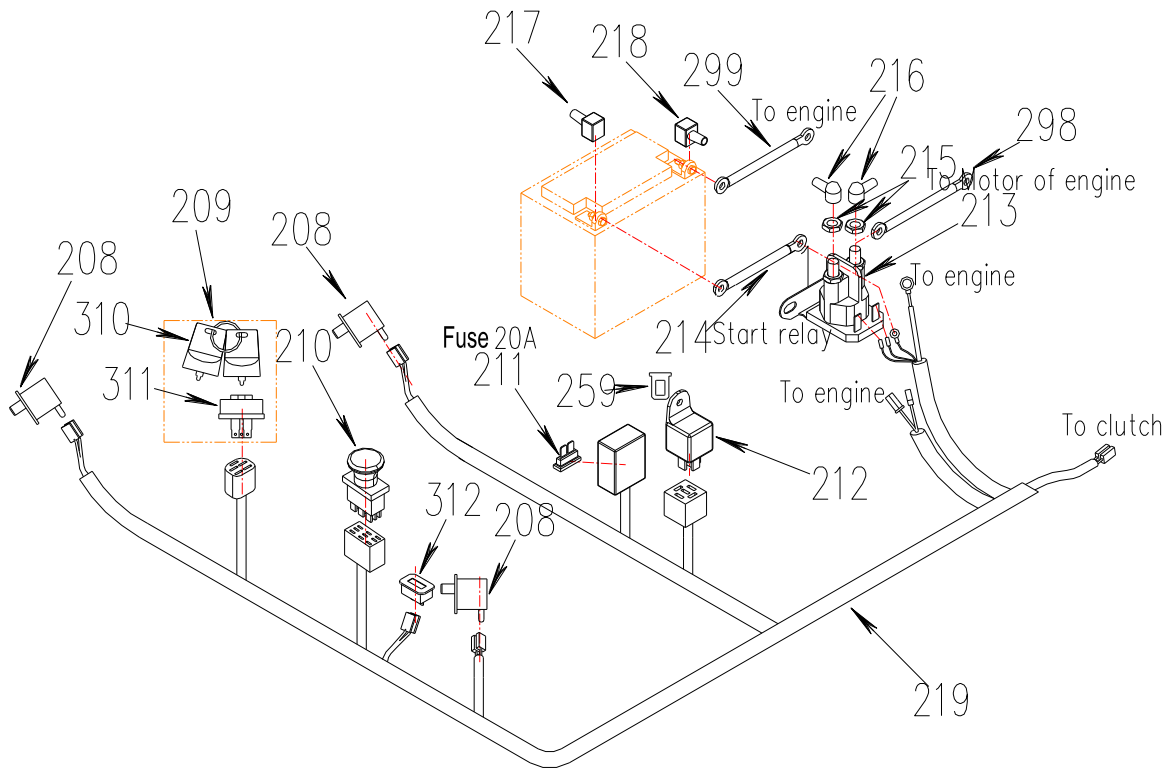
Ref	P/N	Description	46XS	50XL	60XL
360	5000144	Fuel Line		×	×
	5000141	Fuel Line	×	×	×
361	5000130	Adaptor	×	×	×
362	3307041	Clamp	×	×	×
363	5000142	Fuel Line	×	×	×
	5000143	Fuel Line		×	×
364	5000151A	Fuel Tank	×	×	×
365	4802012/10027	Bolt 5/16-UNC×3/4	×	×	×
384	4806020	Chock Cable	×	×	×
385	2806005	Throttle Control	×	×	×
387	B5783-616	Bolt M6× 16	×	×	×
388	B97.1-6	Flat Washer M6	×	×	×
390	5002438	Carbon canister	×	×	×
391	5000145	Pipe	×	×	×
121	B801-616	Bolt M6× 16	×	×	×
124	B6182-6	Nut M6	×	×	×

 220	 221	FUSE BLOCK 8509 222	 8507 223	 233	 236
 245	 227		 229	 8517 228	 230
 8515 238		 8511 241	CAUTION DO NOT OPERATE WITHOUT GUARD IN PLACE 225		
 240	 235			WARNING DO NOT OPERATE WITHOUT DISCHARGE DEFLECTOR, ENTIRE GRASS COLLECTION SYSTEM, OR MULCH KIT IN PLACE. DO NOT REMOVE GRASS CATCHER UNTIL BLADES HAVE STOPPED. 234	
 224				EMISSION CONTROL INFORMATION JIANGSU WORLD PLANT-PROTECTING MACHINERY CO.,LTD THIS EQUIPMENT MEETS U.S. EPA EVAP STANDARDS EQUIPMENT FAMILY NAME:JWPPNHEQ002 226	
CAUTION - Loose or Damaged Blade Bolt may allow blade to come out from under deck at HIGH SPEED. - Replace Blade Bolt after striking a foreign object. - Torque Blade Bolt to 115-120 FT-LBS(158-163N m). SEE OPERATOR'S MANUAL 242		DANGER COVER IS MISSING. DO NOT OPERATE THIS UNIT WHEN COVER IS NOT IN PLACE. 243		DANGER To avoid serious injury or death: Avoid blades unless engine and blades are stopped.  237	
 244/246/247		 248			

Safety/Operation and Product Decals



Ref	P/N	Description	46XS	50XL	60XL	Ref	P/N	Description	46XS	50XL	60XL
220	8312A	Decal, Ignition	x	x	x	234	8307	Discharge Warning	x	x	x
221	8314	Decal		x	x	235	8519	Operational Warning	x	x	x
222	8509	Fuse Decal	x	x	x	236	8512	Motion Control RH	x	x	x
223	8507	Decal, Throttle		x	x	237	8325	Danger Blades	x	x	x
224	8085	ARROW Decal	x	x	x	238	8515	Rotating Parts	x	x	x
						239	8501	International Logo	x	x	x
225	8303	Caution Guard	x	x	x	240	353266	Decal Pro50		x	
226	8602	EPA Decal	x	x	x	241	8511	Deck Belt Routing	x	x	x
227	353267	Decal Pro 60			x	242	8308	Shield Warning	x	x	x
228	8517	Cutting Height Locator	x	x	x	243	8305	Danger Foot Plate	x	x	x
229	8603	Transaxle Release LH	x	x	x	244	543504	ENCORE Decal-front beam	x	x	x
230	8604	Transaxle Release RH	x	x	x	245	8510	Cutting Height Outer	x	x	x
231		Serial Number Plate	x	x	x	246	543470	ENCORE Decal-seat	x	x	x
232	353265	Decal Pro46	x			247	364243	ENCORE Decal-Fuel tank	x	x	x
233	8508	Motion Control LH	x	x	x	248	543406	ENCORE LOGO-fuel tank	x	x	x



Ref	P/N	Description	46XS	50XL	60XL	Ref	P/N	Description	46XS	50XL	60XL
208	5008003	Plunger Switch	x	x	x	218	3312031	Battery Boot (Negative)	x	x	x
209	5208070	Ignition Switch ASM	x	x	x	219	5008021A	Wiring Harness	x	x	x
210	5208022	Blade Control Switch	x	x	x		5008061	Wiring connection	x	x	x
211	5208007	Fuse 20A	x	x	x	259	5008012	Bracket of Relay	x	x	x
212	5008011	12V Relay	x	x	x	299	5008008	Negative Cable	x	x	x
213	463234	Start-up Relay	x	x	x	298	5008006	Wire to Motor	x	x	x
214	5008004	Positive Cable/Power	x	x	x	310	5208072	Ignition key	x	x	x
215	5008005	Nut 5/16-24UNF	x	x	x	311	5208071	Ignition Switch	x	x	x
216	2808107	Relay Cable Cover	x	x	x	312	523283	Hour Meter	x	x	x
217	3312032	Battery Boot (Positive)	x	x	x						



ENCORE

ENCORE MANUFACTURING

A DIVISION OF WORL DLAWN POWER EQUIPMENT, INC

401 COMMERCE STREET BEATRICE, NE 68310

800-267-4255 FAX: 402-223-4103

ENCOREEQUIPMENT.COM

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