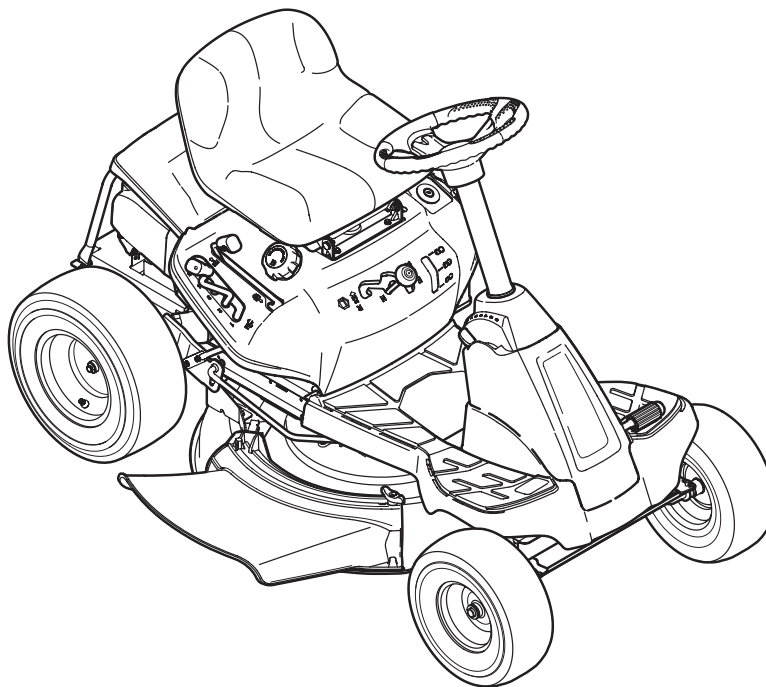


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# ILLUSTRATED PARTS MANUAL



## Model Series 26J Mini Rider

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MTD LLC, P.O. BOX 361131 CLEVELAND, OHIO 44136-0019

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Printed In USA

Form No. 769-07825  
(January 20, 2012)

# To The Owner

## Thank You

Thank you for purchasing this lawn tractor. It was carefully engineered to provide excellent performance when properly operated and maintained.

All information in this manual is relative to the most recent product information available at the time of printing.

Please be aware that this Illustrated Part's Manual may cover a range of product specifications for various models. Components

listed and/or illustrated in this manual may not be applicable to all models. We reserve the right to change product specifications, designs and equipment without notice and without incurring obligation.

Throughout this manual, all references to *right* (RH) and *left* (LH) are observed from the operating position.

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## Record Product Information

To ease in ordering replacement parts, please locate the model plate on the equipment and record the information in the provided area to the right. You can locate the model plate by looking beneath the seat.

### MODEL NUMBER

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### SERIAL NUMBER

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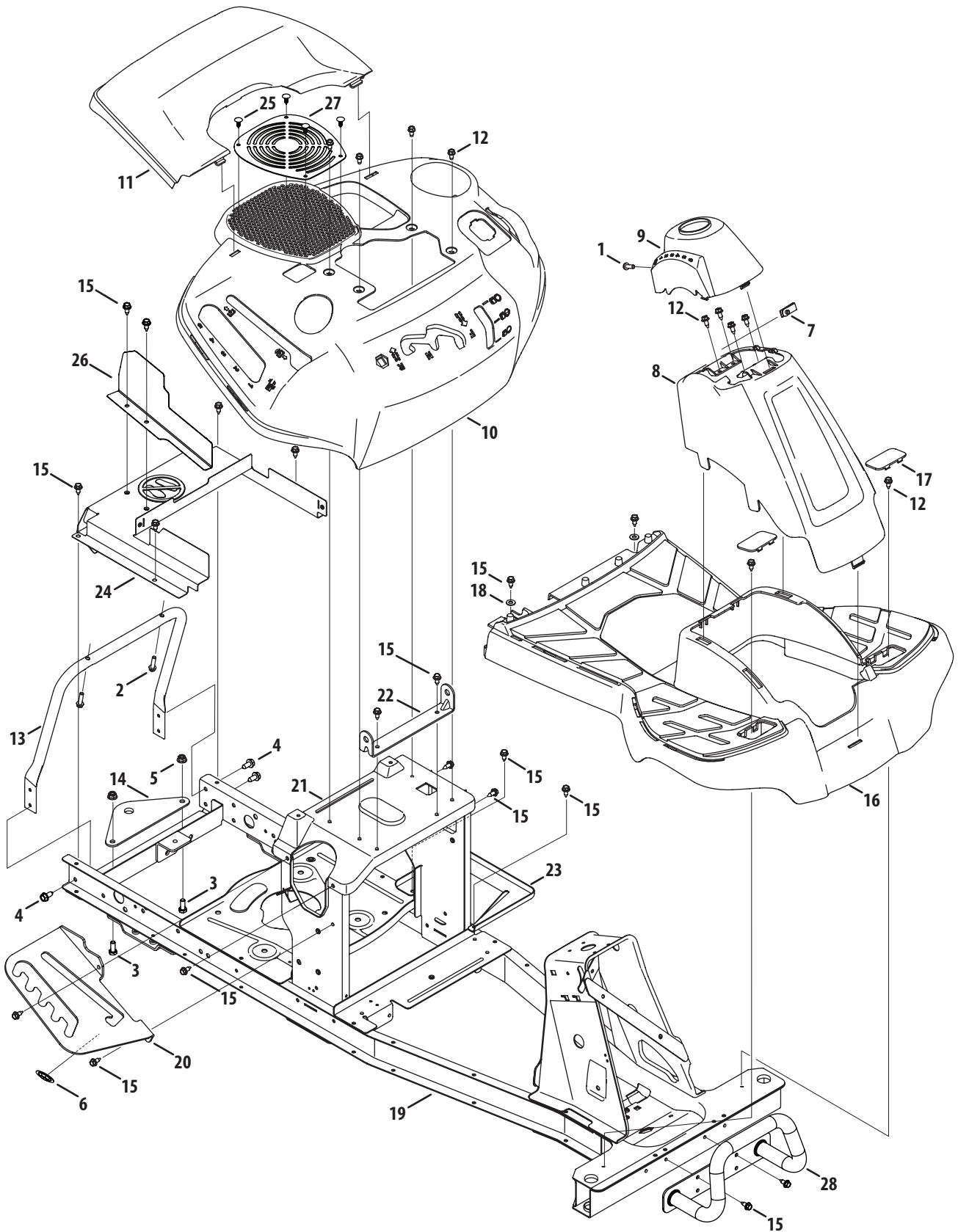
## Painted Parts

When ordering painted service parts, a four digit color suffix must be added to the part number (e.g. 783-XXXXX-0637). Please refer to the table below for current color codes:

0637	Black	0674	Yellow (Yard-Man)
0709	Dark Green (Bolens, Yard-Man)	0650	Metallic Red (White Outdoor)
0662	Oyster Gray (MTD Gold)	0629	Silver Flake (MTD Platinum)
0638	Red (Yard Machines, Huskee, Troy-Bilt, MTD)	04038	Day Orange (Daedong)
0691	Black Jack (MTD Gold, MasterCut)	04033	Flint Mica (Troy-Bilt XP)



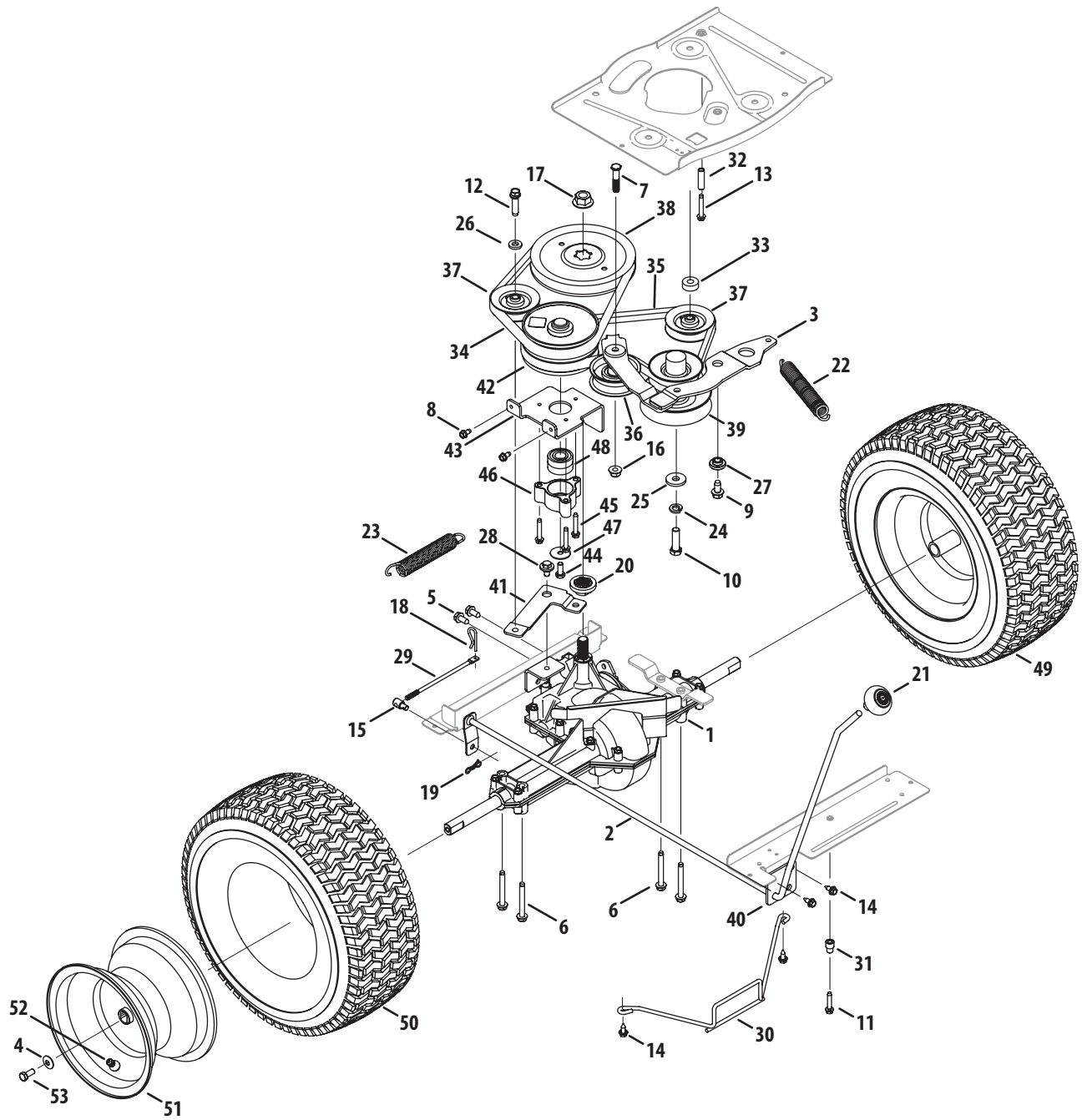
# Frame & Fender



Ref. No.	Part No.	Description
1	710-0924	Machine Screw, 1/4-20, 0.750
2	710-1241	Hex Screw, 1/4-15, 1.000
3	710-3008	Hex Head Screw, 5/16-18, .75
4	710-04484	Tap Screw, 5/16-18, .750
5	712-04063	Flange Locknut, 5/16-18
6	726-0221	Speed Nut
7	712-04092	U-type Speed Nut, 1/4-20
8	731-08633	Column Cover
	731-08883	Column Cover (International)
9	731-08635	Steering Column Cap
	731-08882	Steering Column Cap (International)
10	931-08529	Fender, (MTD Eng. 4P90JU)
	731-08827	Fender, (B&S Eng.)
	631-04655	Fender, (MTD Eng. 4P90JUA)
	731-09128	Fender (International)
11	731-08620	Rear Cover
	731-09129	Rear Cover (International)
12	738-04184A	Shoulder Screw, .368 X.113: 1/4-20
13	749-04932	Rear Cover Support Tube
14	783-07208	Hitch Plate
15	710-1652	Tap Screw, 1/4-20, .625
16	731-08528	Running Board
	731-08910	Running Board, (International)
17	731-08753	Running Board Plug
18	936-0463	Flat Washer, .250 x .630 x .052
19	683-04751	Frame Assembly
20	783-07125	Deck Lift Index Bracket
21	783-07162	Seat Pan
22	783-07168	Seat Pivot Bracket
23	783-07215	Battery Tray
24	783-07302	Top Rear Drive Cover
	783-07386A	Top Rear Drive Cover, (MTD Eng. 4P90JUA)
	783-07302	Top Rear Drive Cover (International)
25	726-3046	Clip, .250 Dia., (MTD Eng. 4P90JUA)
26	783-07388A	Shield, (MTD Eng. 4P90JUA)
27	783-07402	Screen Cover, (MTD Eng. 4P90JUA)
28	683-04767	Bumper Assembly

**NOTE,** Tractor features vary by model. NOT all parts listed above and pictured on the previous page are standard equipment.

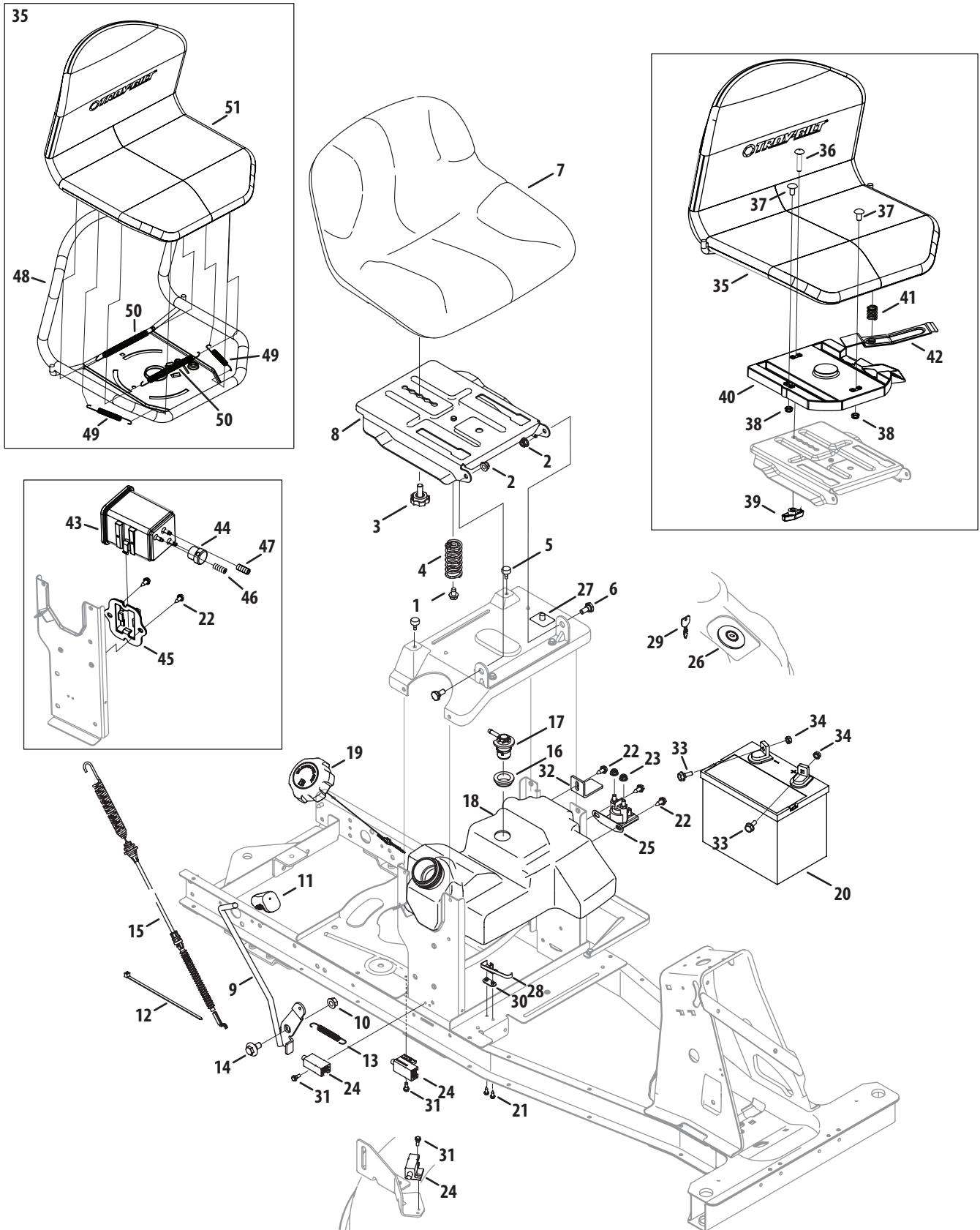
# Drive System



Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	918-05056	Transmission Assembly	28	738-0930	Shoulder Spacer, .560x.165, 5/16-18
2	647-04262	Shift Handle Assembly	29	747-05593	Shift Rod
3	683-04768	Drive Assembly Idler	30	747-05617A	Deck Belt Keeper, 30"
4	736-0242	Beveled Washer, .340 x .872 x .060	31	950-04099	Stepped Spacer, .265 ID X .750
5	710-04484	Tap Screw, 5/16-18, .750	32	750-04456	Spacer, .260 X .372 X 1.420
6	710-05378	Tap Screw, 5/16-18, 2.50	33	750-3119	Spacer, .406 ID X 1.00 OD X .38
7	710-05415A	Hex Head ScREW, 3/8-16, 1.62	34	954-0241A	V-Belt, 5L:35.25
8	710-0599	Tap ScREW, 1/4-20, 0.500	35	954-04331	V-Belt, 5L:35.28
9	710-0623	Tap Screw, 3/8-16, 0.750	36	756-04224	Flat Idler Pulley, 2.75 OD
10	710-0757	Hex Head Screw, 7/16-20, 1.50	37	756-04325	V-Type Idler Pulley, 3.06
11	710-0809	Tap Screw, 1/4-20, 1.250	38	756-04464	V-Type Pulley, 6.56
12	710-1007	SEMS Tap Screw, 3/8-16, 1.500	39	756-04479	Engine Pulley, 4.46 / 3.39
13	710-1325	Tap Screw, 1/4-20, 1.625	40	783-07207	Front Support Shift Bracket
14	710-1652	Tap Screw, 1/4-20 x .625	41	783-07248	Rear Idler Arm Bracket
15	711-0736	Adjustable Ferrule, 1/4-20 X 1.00	42	956-04015A	Variable Speed Pulley Assembly
16	712-04065	Flange Lock Nut, 3/8-16	43	783-07243	Variable Bracket
17	712-0700	Flange Nut, 9/16-18	44	710-0627	Hex Head Lock Screw, 5/16-24:.750
18	914-0209	Internal Cotter Pin, .125 Dia.	45	710-0778	Tap Screw, 1/4-20:1.500
19	714-04040	Bow-Tie Cotter Pin	46	718-04261	Bearing Cup
20	718-04407	Pulley Hub, 5/8 Spline	47	736-0362	Flat Washer, .330x1.250x.060
21	720-04028	Shift Knob	48	941-0600	Ball Bearing, 17 X 40 X 12
22	732-0459C	Extension Spring, .94 Dia. X 6.74 Lg.	49	734-0591	Complete Wheel Assembly
23	732-04934	Extension Spring, .97 OD X 6.18	50	734-04641	Tire, 16 x 6.5 x 8 Sq. Shldr.
24	936-0171	Split Lock Washer, 7/16	51	634-04319	Rim Assembly, 8.0 x 5.38
25	736-0322	Flat Washer, .450X1.250X.164	52	934-0255	Air Valve
26	736-3010	Flat Washer, .407X.812X.135	53	710-0627	Hex Head Screw, 5/16-24, 7.50
27	738-0372B	Shoulder Spacer, 1.00 X .38 X .38			

**NOTE,** Tractor features vary by model. NOT all parts listed above and pictured on the previous page are standard equipment.

# Seat, Fuel Tank & Electrical





## Seat, Fuel Tank & Electrical

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	710-0607	Tap Screw, 5/16-18, 0.500	27	925-05013	Seat Switch
2	712-04063	Flange Lock Nut, 5/16-18	28	725-1643	Switch Spring
3	720-04009A	Knob, 3/8-16, .875	29	925-1745A	Key
4	732-04905	Seat Spring	30	926-0320	Insulator Plate
5	735-0271A	Bumper, .62 DIA X .3	31	738-04237A	Shoulder Screw, #10-32, .500
6	938-0140	Shldr Spacer, .435 X .178-5/16 X .56	32	783-07384	Battery Hold-Down Bracket
7	757-04083A	Seat	33	738-1132	Screw, Shoulder, .250 x .150
	757-04099	Seat, (International)	34	712-0271	Nut, Sems, 1/4-20
8	783-07213	Seat Pivot Bracket	35	657-00000	Seat (TB)
9	683-04754	PTO Handle Assembly		657-00001	Seat (International)
10	712-04065	Flange Lock Nut, 3/8-16	36	710-0560	Carriage Bolt, 3/8-16 x 1.75
11	720-04049A	Handle Grip, 3/8	37	710-3178	Carriage Bolt, 3/8-16 x .75
12	725-0157	Cable Tie, 3/16 X .05 X 7.4	38	912-3020	Nut, Jam, 3/8-16
13	732-04956	Extension Spring, .50 OD X 4.646 LG	39	720-04186	Wing Knob, 3/8-16
14	738-04554	Shoulder Bolt, .500 X .270:3/8-16	40	731-08661	Seat Pan Support
15	946-04802	PTO Cable	41	932-04010	Compression Spring, .845 OD x 1.00
16	735-04081	Rubber Grommet	42	783-07210	Seat Bracket
17	751-12118	Rollover Valve	43	951-10589	5 Gallon Carbon Canister
18	951-04366	Fuel Tank, 1-3 Gal.	44	951-10590	Vent Filter Canister
	951-04386	Fuel Tank, 1.3 Gal., Carb	45	951-10610	Canister Adapter Bracket
	951-04385	Fuel Tank, 1.3 Gal., (International)	46	751-10749-30	Fuel Hose, White
19	951-12179A	Fuel Cap	47	751-10750-48	Fuel Hose, Yellow
	951-12426	Fuel Cap, Carb	48	683-04735	Seat Frame Assembly
20	925-1707D	Battery, 155 CCA	49	732-04085	Extension Spring, .48 OD x 5.00 LG
21	710-0227	Screw, #8	50	732-04940	Extension Spring, 7.91 LG
22	710-1652	Tap Screw, 1/4-20, .625	51	764-04140	Seat Cover
23	712-04064	Flange Lock Nut, 1/4-20		764-05003	Seat Cover (International)
24	725-04363	Interlock Switch	—	925-05359	Wiring Harness (Not Shown)
25	725-04439	Solienoid, 12v	—	725-05436	Wiring Harness, B&S (Not Shown)
26	925-04659	Three-Way Key Switch			

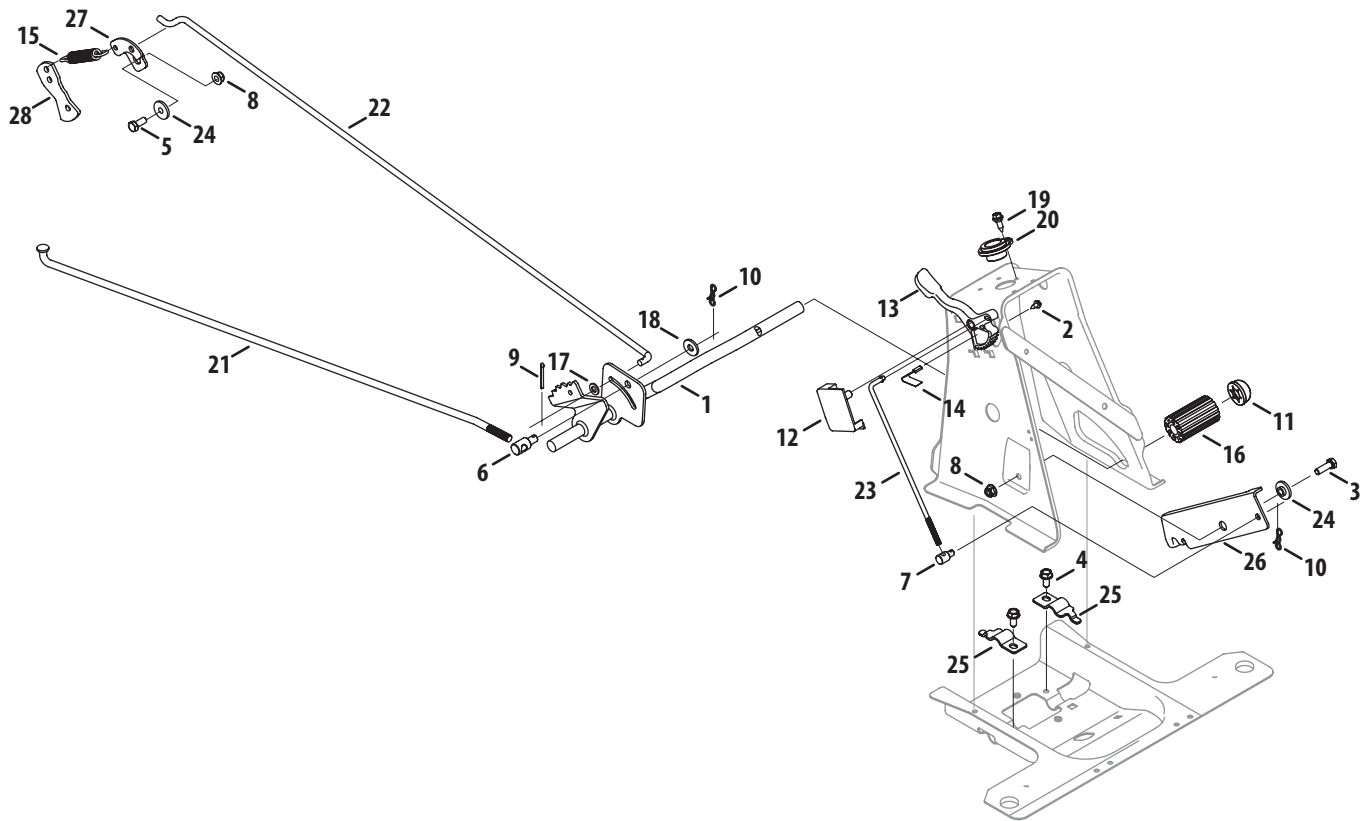
**NOTE,** Tractor features vary by model. NOT all parts listed above and pictured on the previous page are standard equipment.



Ref. No.	Part No.	Description
1	683-04726	Front Axle Assembly, RH
2	683-04727	Front Axle Assembly, LH
3	683-04761	Upper Tube Assembly
4	683-04762	Lower Tube Assembly
5	710-05046	Allen Wrench, 3/16
6	710-05386	Screw, 1/4-20 X 1.25
7	710-0643	Hex Head Screw, 5/16-18:1.00
8	710-0703	Carriage Screw, 1/4-20, .75
9	711-04448	Ferrule, 5/16-24 X .312 Dia.
10	712-04064	Flange Lock Nut, 1/4-20
11	712-04065	Flange Lock Nut, 3/8-16
12	714-04040	Bow-Tie Cotter Pin, 72
13	717-1554	Steering Pinion Gear
14	726-0341	Push Cap, 3/4
15	726-04127	Snap Butt
16	731-08690	Lower Steering Collar
17	731-08691	Upper Steering Collar
18	736-0242	Bevel Washer, .340X.872X.060
19	738-04537	Steering Shaft, .625 OD X 18.03
20	741-04542	Hex Flange Bearing, 5/8
21	741-0660A	Flange Bearing, .760 X .941 X 1.0
22	747-05514	Steering Rod, LH
23	747-05585	Steering Rod, RH
24	747-05686	Front Tie Rod
25	783-06988	Steering Rack Plate
26	783-07239	Lower Steering Bearing
27	631-04028	Steering Wheel, Std. Grip
	631-04008A	Steering Wheel, Soft Grip
28	731-04040	Sprig Cap
	731-04681	Cap, Troy-Bilt
	731-04039	No Sprig Cap
	731-04532B	Cap, Cub
29	634-04726	Complete Wheel Assembly
30	736-04228A	Washer, .781 x 1.59
31	714-0162	Cotter Pin, 5/32 x 1.25
32	931-0484A	Hub Cap
33	683-04763	Tube Assembly, Non-Telescoping
34	723-04095	Steering Sleeve

**NOTE,** Tractor features vary by model. NOT all parts listed above and pictured on the previous page are standard equipment.

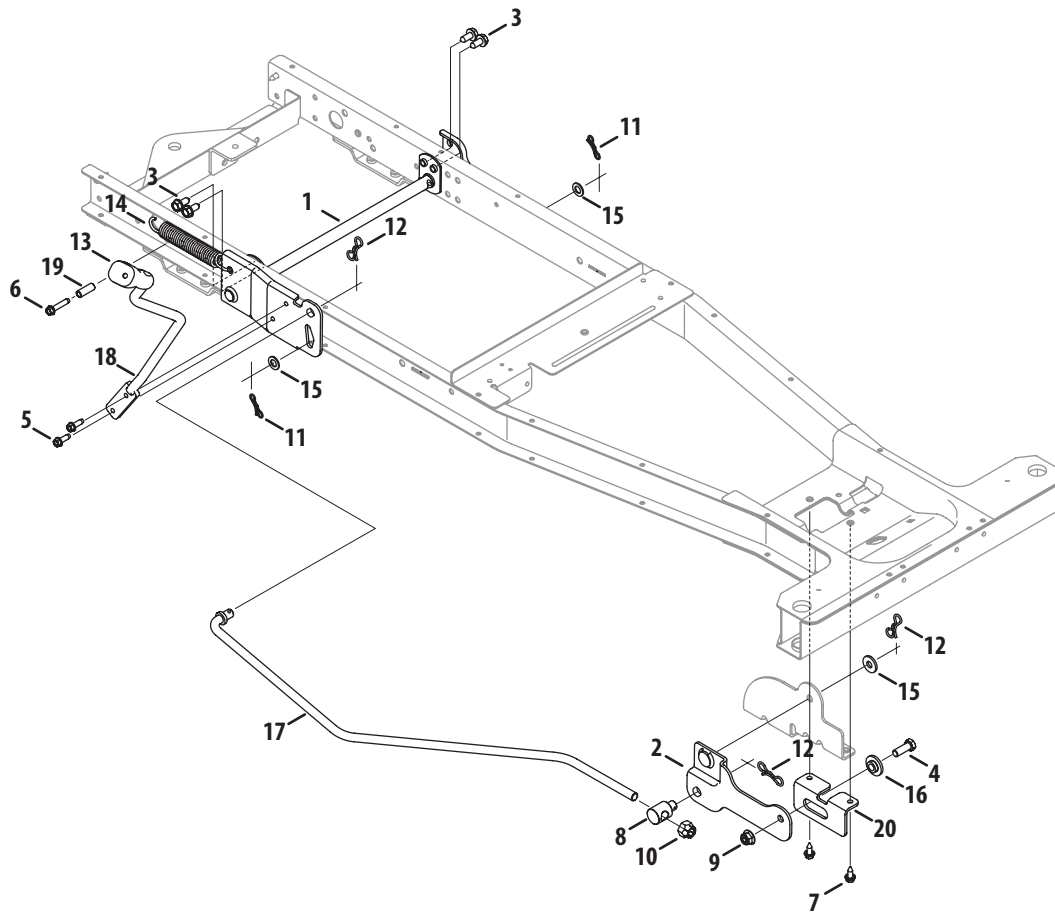
# Pedal Controls



Ref. No.	Part No.	Description
1	683-04699	Brake Pedal Assembly
2	910-0224	Screw, #10-16:0.500
3	710-0376	Hex Head Scerw, 5/16-18:1.00
4	710-04484	Tap Screw, 5/16-18:.750
5	710-3008	Hex Head Screw, 5/16-18:.75
6	911-04075A	Ferrule 3/8-24 X .375 Dia.
7	711-0736	Adjustable Ferrule, 1/4-20 X 1.00
8	712-04063	Flange Lock Nut, 5/16-18
9	914-0111	Cotter Pin, 3/32X1.0
10	714-04040	Bow-Tie Cotter Pin, 72
11	726-0214	Push Cap, 5/8
12	731-08656	Speed Control Cover
13	731-08743	Speed Lever, 6-SPEED
14	732-04937	Shift Spring

Ref. No.	Part No.	Description
15	732-0716D	Extension Spring, .59 OD X 4.00 LG
16	735-04279	Foot Pad, 2.5" LG.
17	936-0264	Flat Washer, .330x.630x.064
18	736-3072	Flat Washer, .380X.930X.110
19	738-04184A	Shoulder Screw, .368 X.113, 1/4-20
20	741-0356A	Steering Col. Bearing, .880 ID X 1.36
21	747-05506	Variable Speed Control Rod
22	747-05508	Brake Rod
23	747-05616	Speed Selector Control Rod
24	748-0234	Shoulder Spacer
25	783-05940	Pedal Strap Support Bracket, 5/8
26	783-07050	Speed Latch Bracket
27	783-07287	Brake Cam Bracket
28	717-0772B	Brake lever Bracket

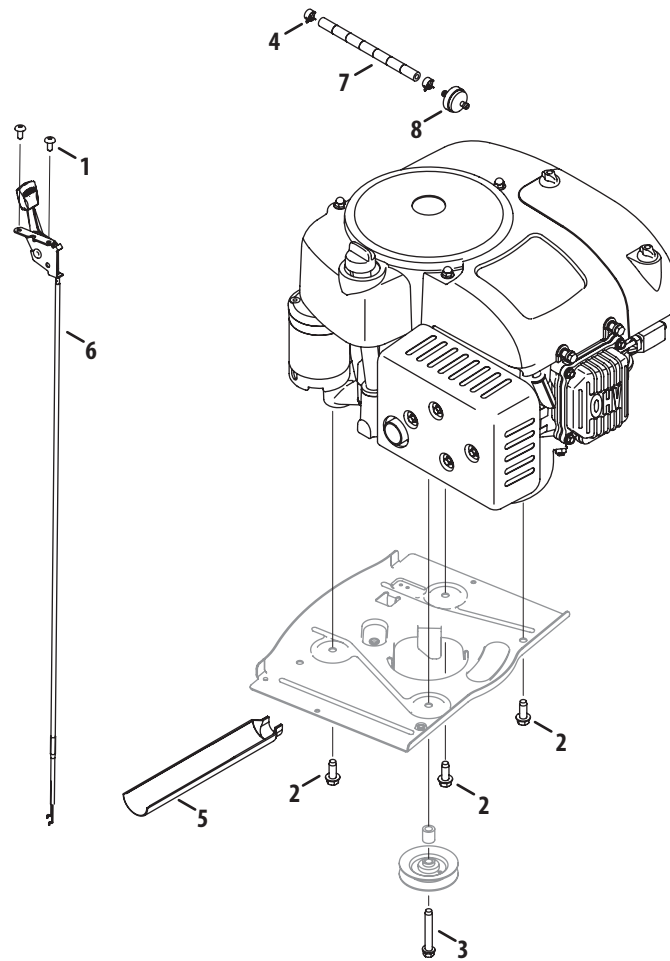
NOTE, Tractor features vary by model. NOT all parts listed and pictured above are standard equipment.



Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	683-04706	Lift Assembly Shaft	11	714-04040	Bow-Tie Cotter Pin, 72
2	683-04757	Front Hanger Bracket Assembly	12	714-04043	Bow-Tie Cotter Pin, 91
3	710-04484	Tap Screw, 5/16-18, .750	13	720-0311	Grip Handle, 1/2
4	710-0514	Hex Head Screw, 3/8-16, 1.00	14	732-04692	Extension Spring, .85 OD X 5.915 LG
5	710-0642	Tap Screw, 1/4-20, 0.750	15	936-0300	Flat Washer, .406 X .875 X .059
6	710-0809	Tap Screw, 1/4-20, 1.250	16	938-0347	Shoulder Spacer, .625 ID X .169
7	710-1652	Tap Screw, 1/4-20 X .625	17	747-05511	Lift Link Rod
8	711-05690	Ferrule, .50 X .50	18	747-05576	Deck Lift Rod
9	712-04065	Flange Lock Nut, 3/8-16	19	750-0566A	Spacer, .260 x .375 x 1.030 LG
10	712-04243	Flex Lock Nut, 1/2-13	20	783-07129	Front Deck Mounting Bracket

NOTE, Tractor features vary by model. NOT all parts listed and pictured above are standard equipment.

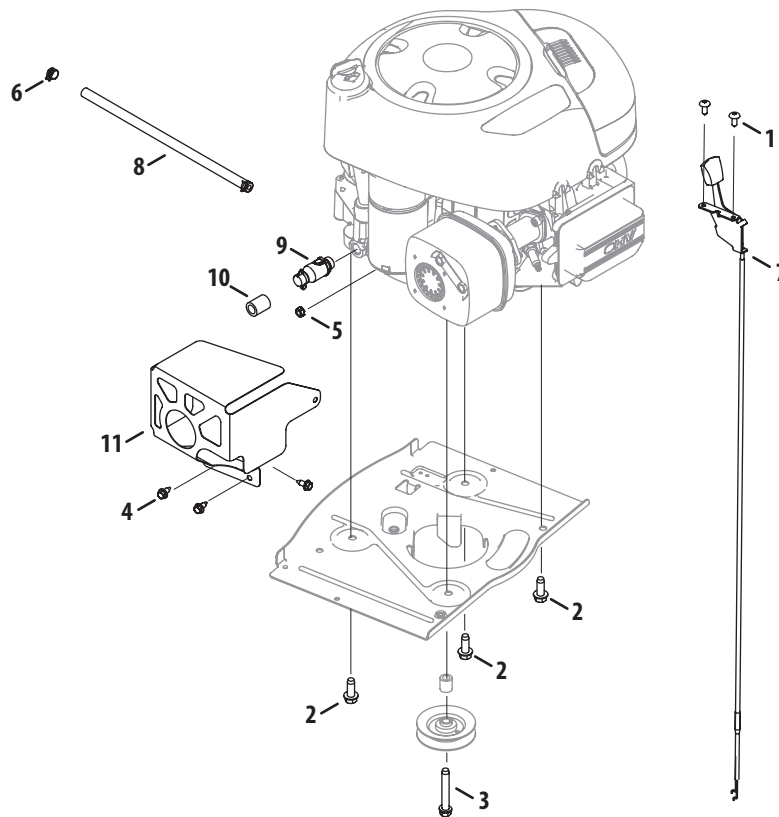
# Engine Accessories MTD P90



Ref. No.	Part No.	Description
1	710-04483	Tap Screw, 1/4-20, 0.500
2	710-04683	Tap Screw, 3/8-16, 1.000
3	710-05446	Tap Screw, 3/8-16, 2.250
4	726-0205	Hose Clamp, .490 DIA.
5	731-1682A	Oil Drain Sleeve
6	946-04829	Throttle/Choke Cable 31 Lg.
7	751-10349	Low Permeation Fuel Line, 1/4
8	BS-298090S	Fuel Filter, 1/4", 298090

NOTE, Tractor features vary by model. NOT all parts listed and pictured above are standard equipment.

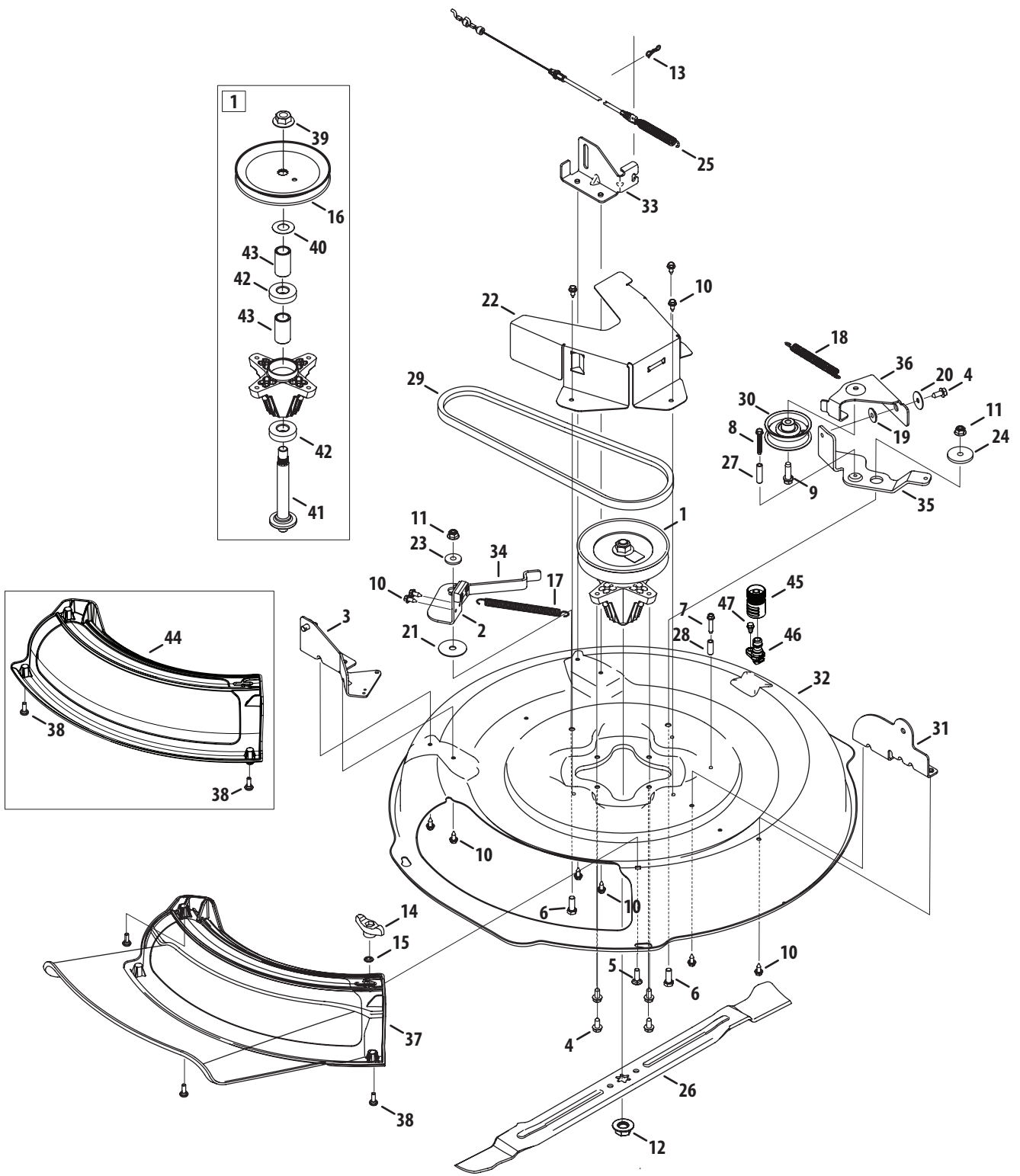
## Engine Accessories B&S Mod 21



Ref. No.	Part No.	Description
1	710-04483	Tap Screw, 1/4-20, 0.500
2	710-04683	Tap Screw, 3/8-16, 1.000
3	710-05446	Tap Screw, 3/8-16, 2.250
4	710-1652	Tap Screw, 1/4-20, 0.625
5	712-0271	Sems Nut, 1/4-20
6	726-0205	Hose Clamp, .490 DIA.
7	946-04829	Throttle/Choke Cable 31 Lg.
8	751-10349	Low Permeation Fuel Line, 1/4
9	951-10517A	Oil Drain
10	751-3141-14	Oil Drain, Extension Hose
11	783-07382	Muffler Cover

NOTE, Tractor features vary by model. NOT all parts listed and pictured above are standard equipment.

# 30" Deck

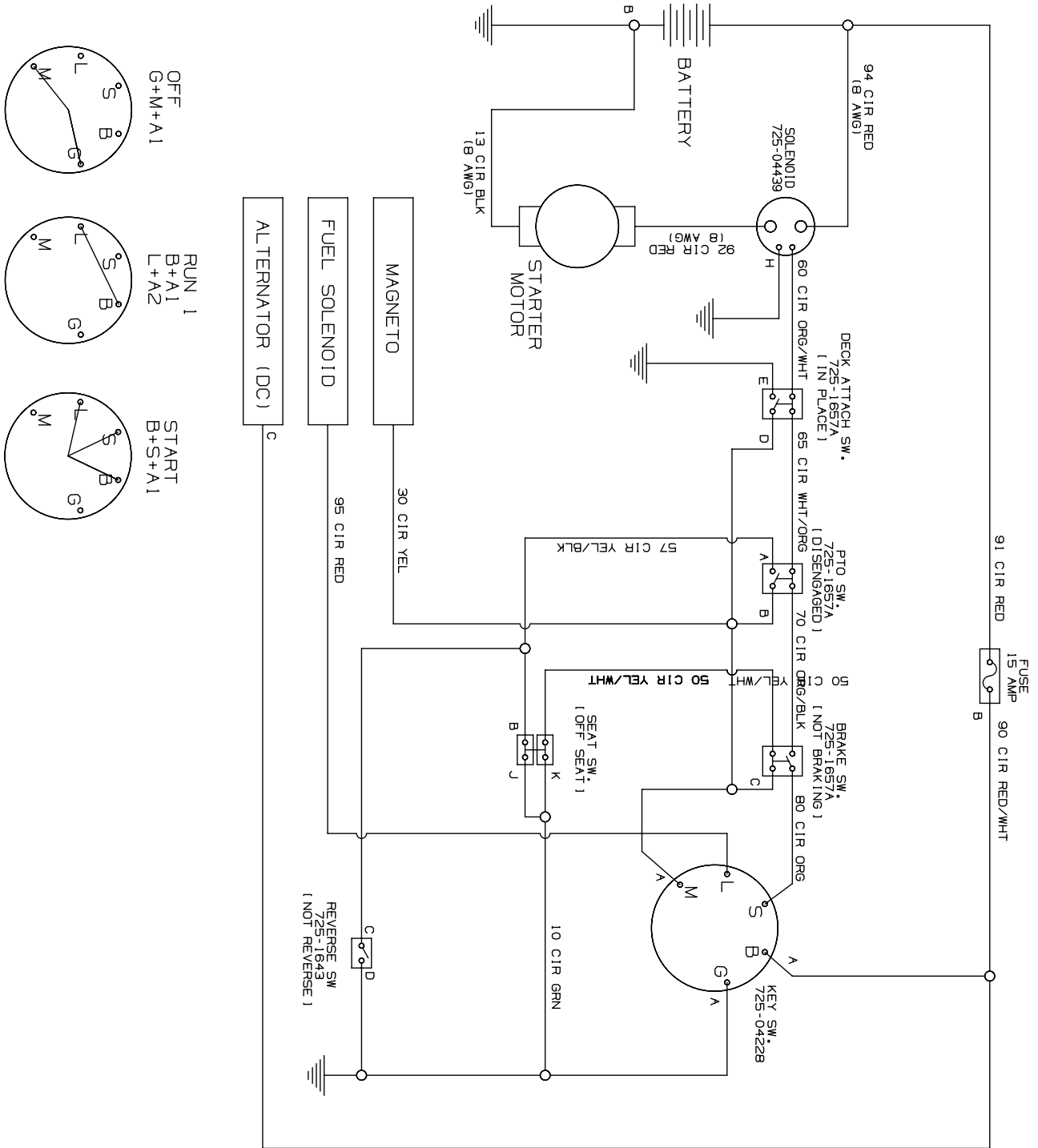




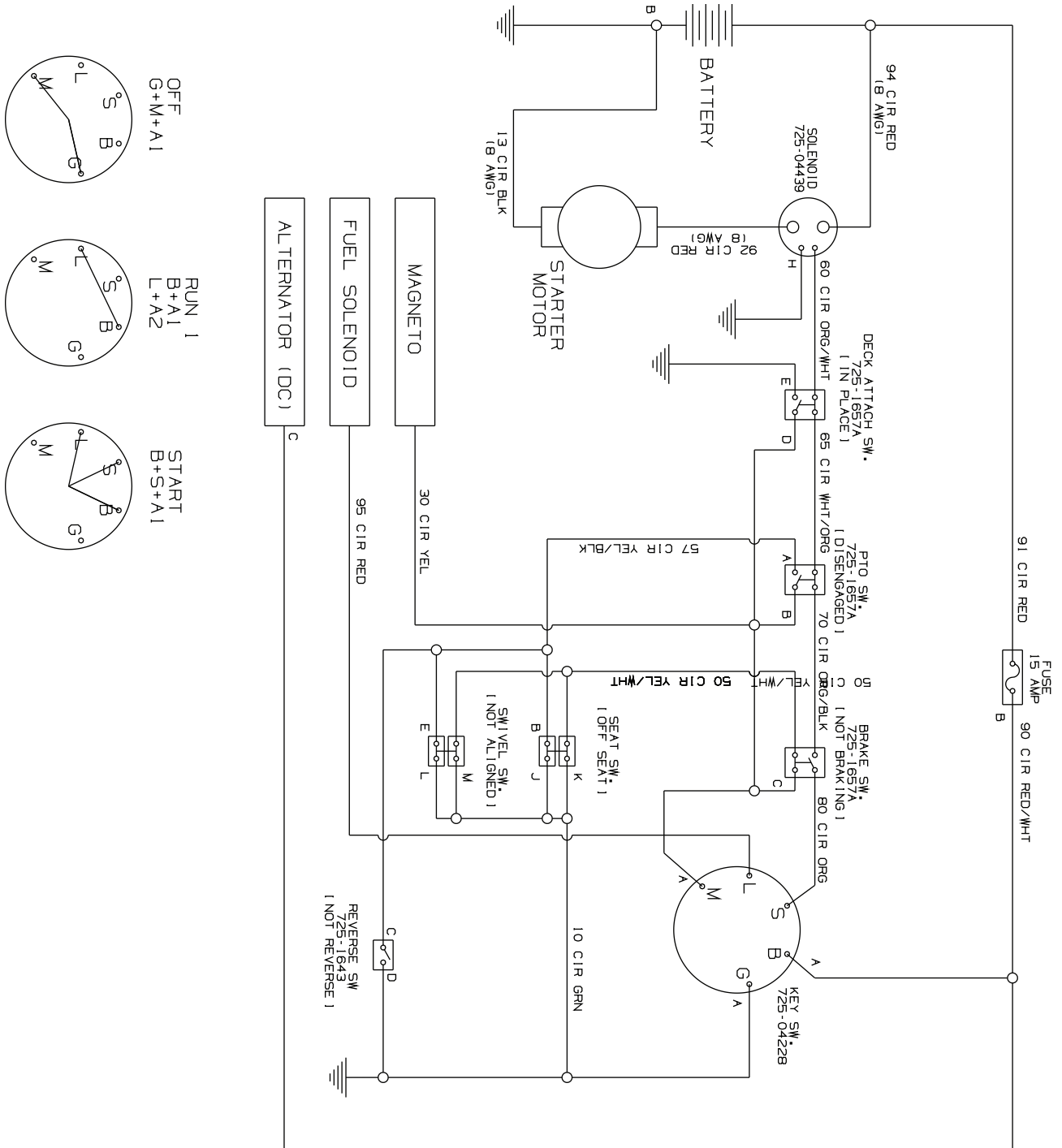
Ref.	Part Number	Description	Ref.	Part Number	Description
1	918-04822A	Spindle Pulley Assembly, 6.3 DIA	26	942-04385	Cutting Blade, 30.00" 3-IN-1
2	683-04734	PTO Brake Assembly Bracket	27	750-04456	Spacer, .260 X .372 X 1.420 LG
3	683-04782	Rear Deck Assembly Bracket	28	750-0566A	Spacer, .260 x .375 x 1.030 LG
4	710-04484	Tap Screw, 5/16-18, .750	29	954-04318	V-Type Belt, 5L, 45.15 LG
5	710-04998	Carriage Screw, 5/16-18, 1.00	30	756-04224	Flat Idler Pulley, 2.75 OD
6	710-0514	Hex Head Screw, 3/8-16, 1.00	31	783-07004	Front Deck Bracket
7	710-0778	Tap Screw, 1/4-20, 1.500	32	783-07265	Deck, 30" w/out Nozzle
8	710-1026	Tap Screw, 1/4-20, 1.750		783-07146	Deck, 30" w/ Nozzle
9	710-1315	Tap Screw, 3/8-16, 1.250	33	783-07184	RR Deck Bracket, LH
10	710-1652	Tap Screw, 1/4-20 X .625	34	783-07204	Release Brake Bracket
11	712-04065	Flange Lock Nut, 3/8-16	35	783-07304	Lower Floating Idler Bracket
12	712-0417A	Flange Nut, 5/8-18	36	783-07306	Upper Floating Idler Bracket
13	714-04040	Bow-Tie Cotter Pin, 72	37	931-04633	Chute Deflector
14	720-04122	Wing Knob, 5/16-18		931-04645	Chute Deflector (International)
15	726-0201	Speed Nut, .3125 ID	38	738-04519	Shoulder Screw, 1/4-15 x .750
16	956-1227	Deck Pulley, 6.3 DIA	39	712-0417A	Flange Nut, 5/8-18
17	732-04948A	Ext. Spring, .708 X 7.357 X .094	40	936-0351	Shim Washer, .760X1.500X.030
18	732-04967	Ext. Spring, .565 OD X 5.00 LG	41	738-1186A	Spindle Shaft, 6.11 LG.
19	936-0289	Shoulder Bushing, .320 ID X .135	42	941-0919A	Ball Bearing, .787ID X 1.85 ODX.551
20	736-0362	Flat Washer, .330x1.250x.060	43	750-04936	Spacer, .792 X 1.060 X 1.860 LG
21	736-0518	Thrust Washer, .445X.1.920X.060	44	931-04632	Mulch Plug, (International)
22	783-07342	Deck Belt Cover	45	921-04041	Water Nozzle Adapter
23	938-0347	Shoulder Spacer, .625 ID X .169	46	731-07487	Deck Wash Nozzle
24	738-04162A	Shoulder Spacer, .8840 X .190	47	738-04278	Shoulder Screw, 1/4-20 x 0.500
25	946-04802	PTO Cable			

**NOTE,** Tractor features vary by model. NOT all parts listed above and pictured on the previous page are standard equipment.

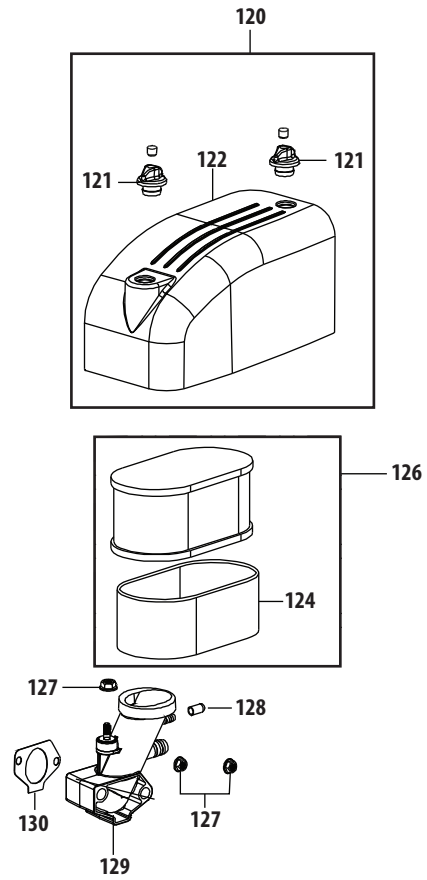
# Wiring Harness Schematic - 925-05359



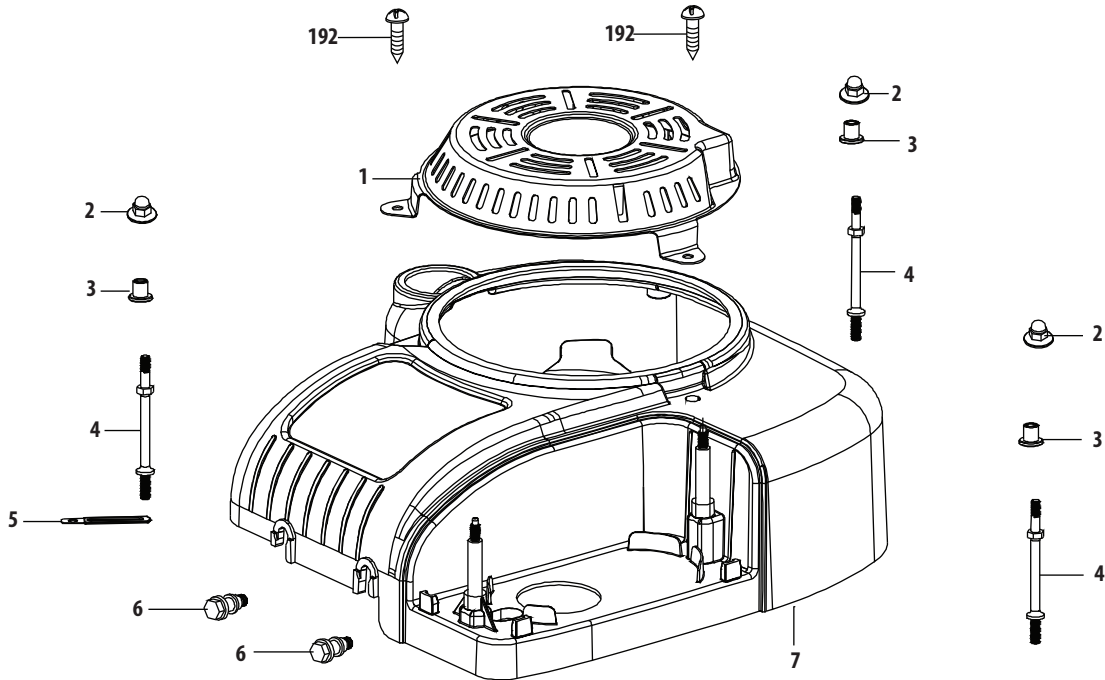
# Wiring Harness Schematic - 725-05436



# 4P90JU Air Intake

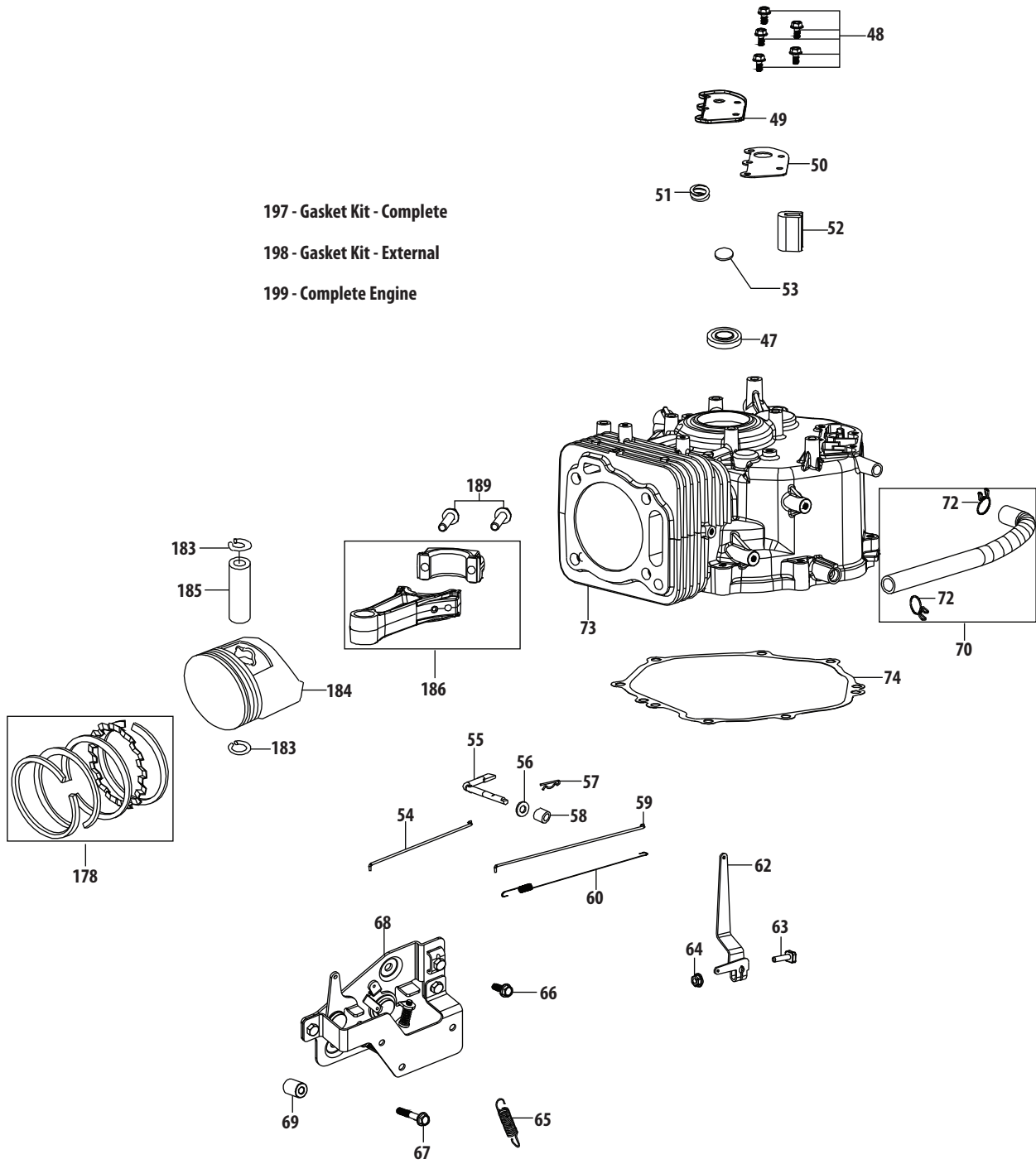


Ref.	Part Number	Description
120	951-12255	Air Filter Cover Assembly
121	712-04291	Air Filter Lock Nut
122	951-12255	Air Filter Cover
124	951-12256	Sponge Filter
126	951-12260	Air Filter Assembly
127	712-04212	Nut M6
128	951-12328	Rubber Cap
129	951-12257	Manifold
130	951-12258	Manifold Gasket



Ref.	Part Number	Description
1	751-12205	Debris Shield
2	712-04290	Nut
3	750-05320	Engine Shroud Spacer
4	710-05304	Starter / Shroud Stud M6×100
5	951-11622	Flexible Clamp
6	710-05305	Hook Bolt
7	951-12206	Air Shield
192	710-05303	Self-Tapping Bolt 5.5×25

# 4P90JU Crankcase



197 - Gasket Kit - Complete

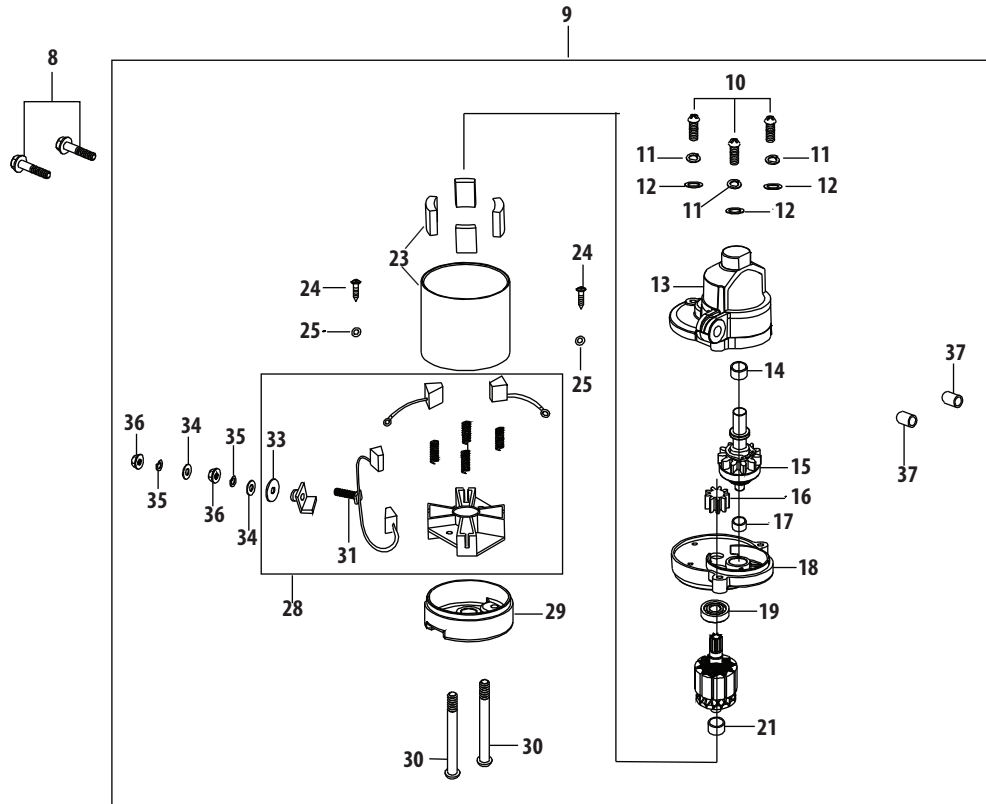
198 - Gasket Kit - External

199 - Complete Engine

## 4P90JU Crankcase

Ref.	Part Number	Description	Ref.	Part Number	Description
47	951-11499	Upper Crankshaft Seal	69	750-05530	Component Bracket Spacer
48	710-04916	Bolt M6×14	70	951-12235	Breather Hose Assembly
49	751-12770	Breather Cover Plate	72	951-12236	Breather Hose Clamp
50	951-12226	Breather Gasket	73	751-12200A	Short Block Assembly
51	951-12685	Umbrella Valve			(Incl.37,47-53,55-58,73-77,84,
52	951-12227	Mesh Screen			86-89,91-93,98-104,112,113,
53	951-12686	Umbrella Valve Seat			115-119,137,138,144,160,
54	951-12228	Choke Linkage			172,173,175-178,183-186)
55	951-12229	Governor Arm Shaft	74	951-12237	Crankcase Cover Gasket
56	736-04558	Governor Washer	178	951-12275	Piston Ring Set
57	714-04074	Governor Cotter Pin	183	951-11953	Piston Pin Snap Ring
58	951-11574	Governor Seal	184	951-12276	Piston
59	951-12230	Throttle Linkage	185	951-11954	Piston Pin
60	951-12231	Throttle Linkage Spring	186	951-12277	Connecting Rod Assembly
62	951-12232	Governor Arm	189	710-05319	Connecting Rod Bolt
63	710-04908	Governor Arm Bolt	197	951-12204	Gasket Kit - Complete
64	712-04212	Governor Arm Nut M6			(Incl.47,50,58,74,113,118,
65	951-12233	Governor Spring			130,136-138,144,160,166)
66	710-04979	Bolt M6×18	198	951-12201	Gasket Kit - External
67	710-05310	Bolt M6×38			(Incl.113,130,136-138,144,160)
68	951-12234	Throttle Control Bracket	199	952Z4P90JU	Complete Engine

# 4P90JU Starter Assembly

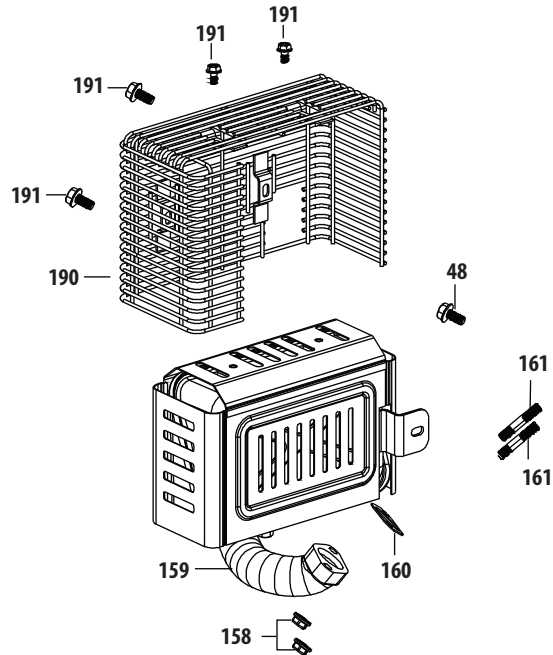


Ref.	Part Number	Description
8	710-05306	Bolt M8×40
9	951-12207	Starter Assembly
10	710-05307	Screw M5×25
11	736-04554	Lock Washer 5
12	736-04556	Plain Washer 6
13	951-12208	Electrical Starter Front Cover
14	951-12211	Bearing
15	951-12210	Pinion/Clutch Assembly
16	951-12312	Gear
17	951-12209	Bearing
18	951-12212	Pinion Cover
19	951-12214	Bearing 6001Zz
21	951-12216	Bearing

Ref.	Part Number	Description
23	951-12528	Starter Housing Assembly
24	951-12217	Screw
25	736-04554	Lock Washer
28	951-12529	Brush Assembly
29	951-12219	Electrical Starter Back Cover
30	710-05308	Bolt M6×100
31	951-12324	Bolt M6×30 Assembly
33	736-04555	Insulation Washer
34	736-04556	Plain Washer 6
35	736-04477	Lock Washer 6
36	712-04212	Nut M6
37	715-04120	Dowel Pin 10×14

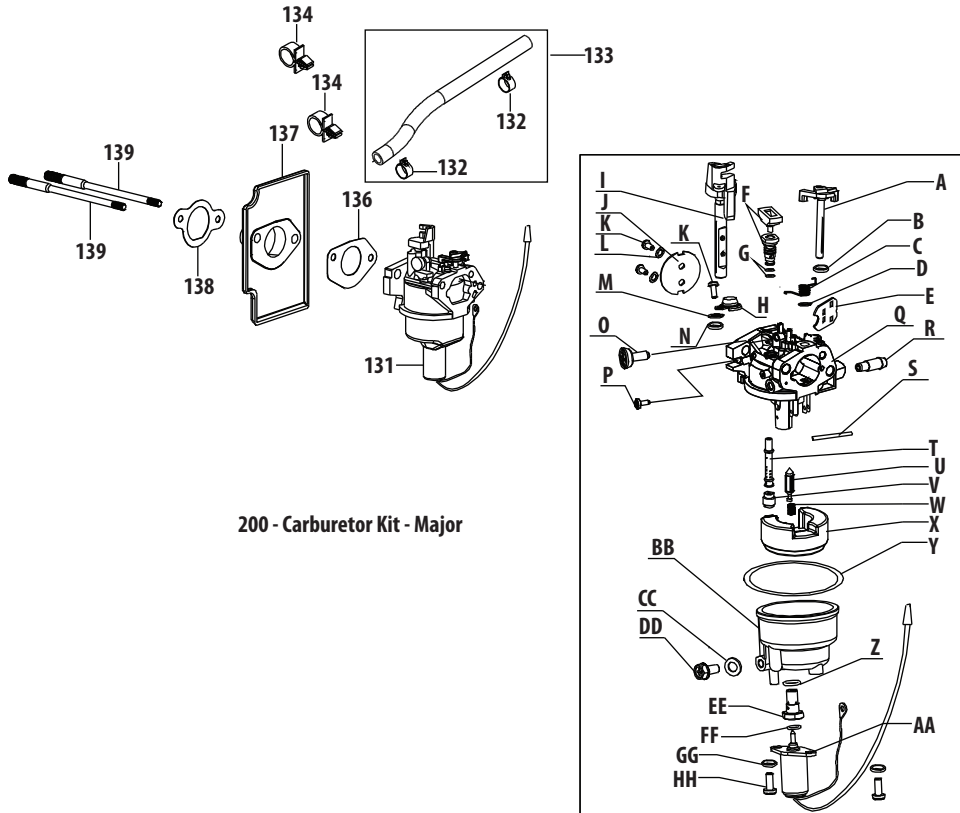


# 4P90JU Muffler Assembly



Ref.	Part Number	Description
48	710-04916	Bolt M6×14
158	712-04219	Nut M8
159	951-12270	Muffler Assembly
160	951-12271	Exhaust Pipe Gasket
161	951-12272	Muff Stud M8×47
161	951-12196	Muffler Stud Assembly
190	951-12278	Wire Mesh Shield
191	710-05051	Bolt M6×12

# 4P90JU Carburetor Assembly

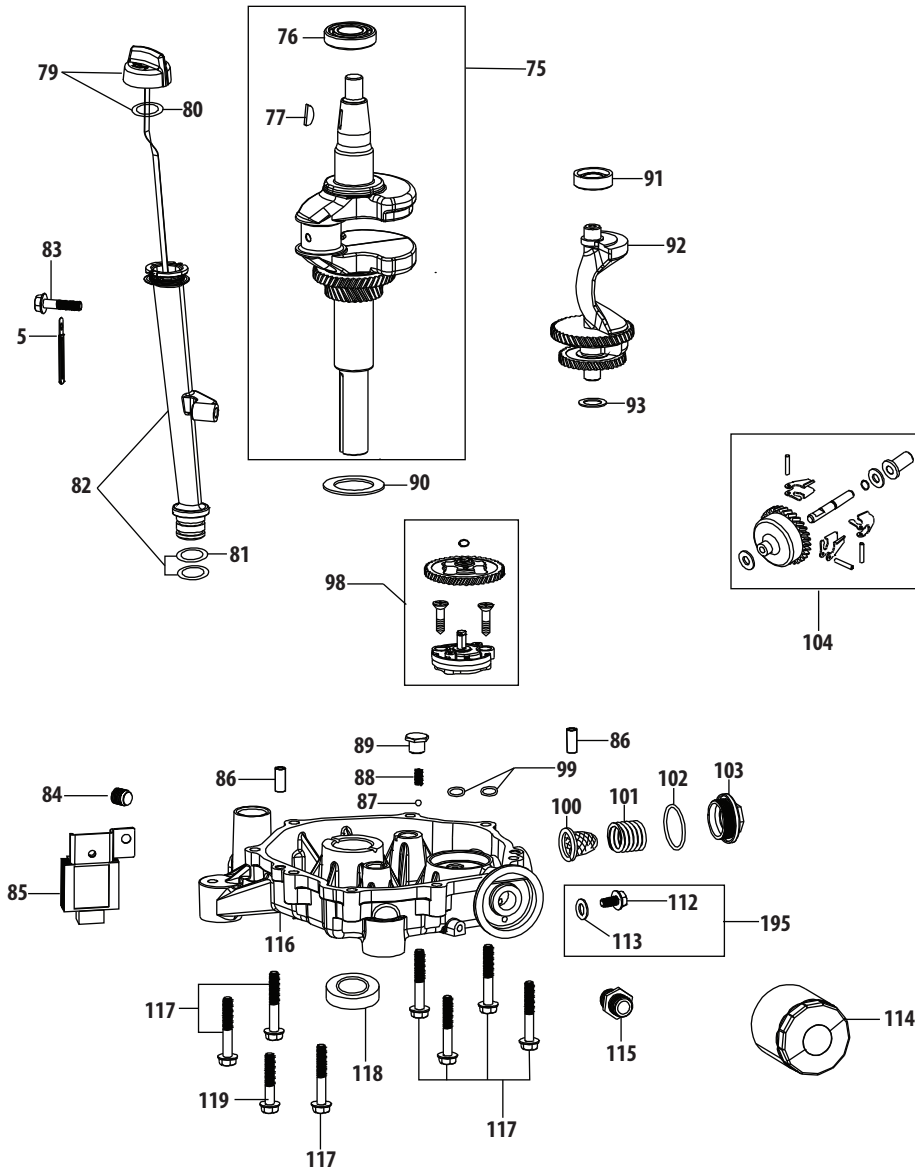


## 4P90JU Carburetor Assembly

Ref.	Part Number	Description
131	751-12771	Carburetor Assembly
132	951-11731	Fuel Hose Clamp
133	951-11336	Fuel Line Kit
134	723-04071	Plastic Support Clamp
136	951-12261	Carburetor Gasket
137	951-12262	Carburetor Insulator
138	951-12263	Carburetor Insulator Gasket
139	951-12264	Carb Stud
200	751-12779	Carburetor Kit - Major (Incl.130,136,B,BB,CC,DD, G,M,N,U,W,Y,Z)
A	n/a	Choke Shaft
B	n/a	Fiber O-Ring
C	n/a	Choke Return Spring
D	n/a	Flat Steel Washer
E	n/a	Choke Plate
F	n/a	Idle Jet Assembly
G	n/a	Idle Jet O-Ring
H	n/a	Sheetmetal Housing
I	n/a	Throttle Shaft
J	n/a	Throttle Plate
K	n/a	Screw M3×5

Ref.	Part Number	Description
L	n/a	Lock Washer
M	n/a	Nylon/Plastic O-Ring
N	n/a	Fiber O-Ring
O	n/a	Idle Speed Adjusting Screw
P	n/a	Idle Mixture Screw
Q	n/a	Carburetor Body
R	n/a	Fuel Inlet
S	n/a	Float Pin
T	n/a	Emulsion Tube
U	n/a	Needle Valve
V	n/a	Main Jet
W	n/a	Needle Valve Spring
X	n/a	Float
Y	951-12304	Fuel Bowl O-Ring
Z	751-12772	Seat/Fuel Bowl Bolt O-Ring
AA	751-12773	Solenoid Valve Assembly
BB	n/a	Fuel Bowl
CC	951-11349	Fuel Drain Plug Gasket
DD	710-04938	Fuel Drain Plug
EE	710-05449	Seat/Fuel Bowl Bolt
GG	736-04554	Washer
HH	710-05337	Screw M5×12

# 4P90JU Crankshaft & Crankcase Cover



## 4P90JU Crankshaft & Crankcase Cover

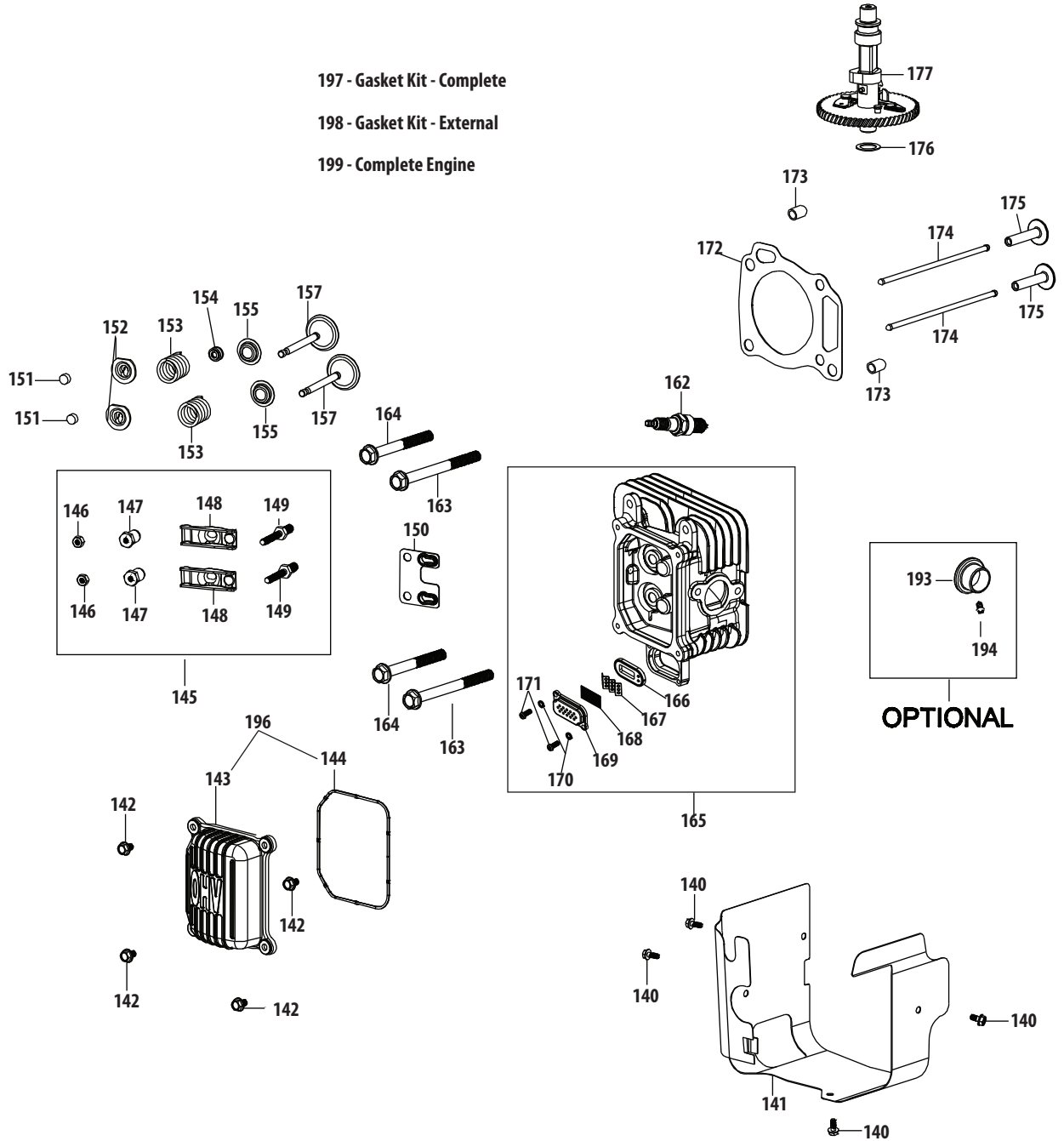
Ref.	Part Number	Description	Ref.	Part Number	Description
5	951-11622	Flexible Clamp	98	951-12248	Oil Pump Assembly
75	951-12238	Crankshaft Assembly	99	951-12247	O-Ring 10×2.65
76	951-11969	Main Bearing	100	951-12249	Filter
77	951-10307	Woodruff Key	101	951-12250	Filter Spring
79	951-12239	Dipstick Assembly	102	951-12251	O-Ring 35.5×2.65
80	951-12241	Upper O-Ring	103	951-12252	Filter Cover
81	951-12363	Lower O-Ring	104	951-11956	Governor Gear/Shaft Assembly
82	951-12240	Oil Fill Tube Assembly	112	710-05313	Bolt M8×15
83	710-04980	Bolt M6×35	113	736-04560	Oil Drain Plug Washer
84	710-05311	Oil Drain Plug	114	951-12690	Oil Filter
85	951-12242	Regulator	115	951-12253	Screw Joint
86	715-04121	Dowel Pin 8×14	116	951-12254	Crankcase Cover
87	951-12243	Ball 6.35		951-12318	Crankcase Cover Asm (Incl.87-89,100-104,112,113,115,116)
88	951-12244	Spring			
89	710-05312	Bolt	117	710-04982	Bolt M8×54
90	736-04557	Crankshaft Thrust Washer	118	951-11375	Lower Crankshaft Seal
91	951-12245	Balanceable Shaft Bearing	119	710-05314	Bolt M8×43
92	751-12246	Balanceable Shaft Assembly	195	951-12194	Oil Drain Plug Assembly
93	736-04559	Balanceable Thrust Washer			

# 4P90JU Cylinder Head

197 - Gasket Kit - Complete

198 - Gasket Kit - External

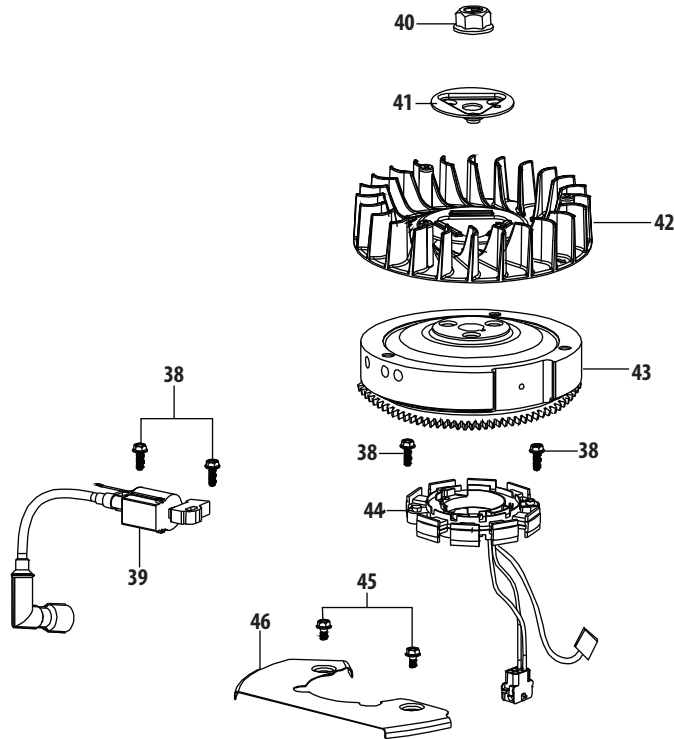
199 - Complete Engine



## 4P90JU Cylinder Head

Ref.	Part Number	Description	Ref.	Part Number	Description
140	710-05315	Bolt M5×10		951-12202	Cylinder Head Kit (Incl.144,156,163,164,166)
141	951-12265	Cowl			
142	710-05316	Valve Cover Bolt	166	751-12774	Air Valve Core
143	951-12266	Valve Cover	167	751-12775	Strainer Clip
144	951-12267	Valve Cover Ring Gasket	168	751-12776	Strainer
145	951-11981	Rocker Arm Assembly	169	751-12777	The Air Valve Bonnet
146	751-11124	Jam Nut	170	736-04629	Washer
147	751-11123	Fulcrum Nut	171	710-05450	Screw M5×12
148	951-11966	Rocker Arm	172	951-12273	Cylinder Head Gasket
149	710-04962	Rocker Arm Stud	173	715-04122	Cylinder Head Dowel 12×16
150	951-12268	Push Rod Guide	174	951-11335	Push Rod Kit
151	951-12081	Exhaust Valve Adjuster	175	951-11962	Tappet
152	951-12080	Exhaust Valve Spring Retainer	176	736-04561	Camshaft Thrust Washer
153	951-12078	Valve Spring	177	951-12274	Camshaft Assembly
154	951-11964	Intake Valve Seal	193	951-12329	Spark Arrestor
155	951-12077	Valve Spring Retainer	194	710-05344	Spark Arrestor Screw
157	951-11337	Valve Kit	196	951-12197	Valve Cover Kit
162	951-10292	Spark Plug/F6Rtc	197	951-12204	Gasket Kit - Complete (Incl.47,50,58,74,113,118, 130,136-138,144,160,166)
163	710-05317	Bolt M10×1.25×85			
164	710-05318	Bolt /M10×1.25×65			
165	751-12778	Cylinder Head Asm (Incl.137-139,144,146-157, 160,161,163-172)	198	951-12201	Gasket Kit - External (Incl.113,130,136-138,144,160)
			199	952Z4P90JU	Complete Engine

# 4P90JU Ignition & Electrical

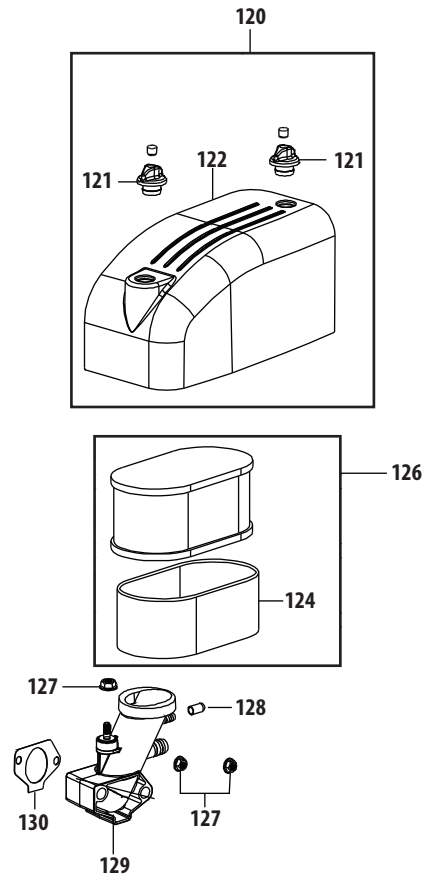


Ref.	Part Number	Description
38	710-04920	Bolt M6×28
39	951-12220	Ignition Coil Assembly
40	712-04220	Flywheel Nut M16×1.5
41	951-12221	Fan Mounting Plate
42	751-12222A	Cooling Fan
43	951-12223	Flywheel
44	951-12224	Coil Assy., Charge
45	710-04940	Bolt M6×10
46	951-12279	Cowl

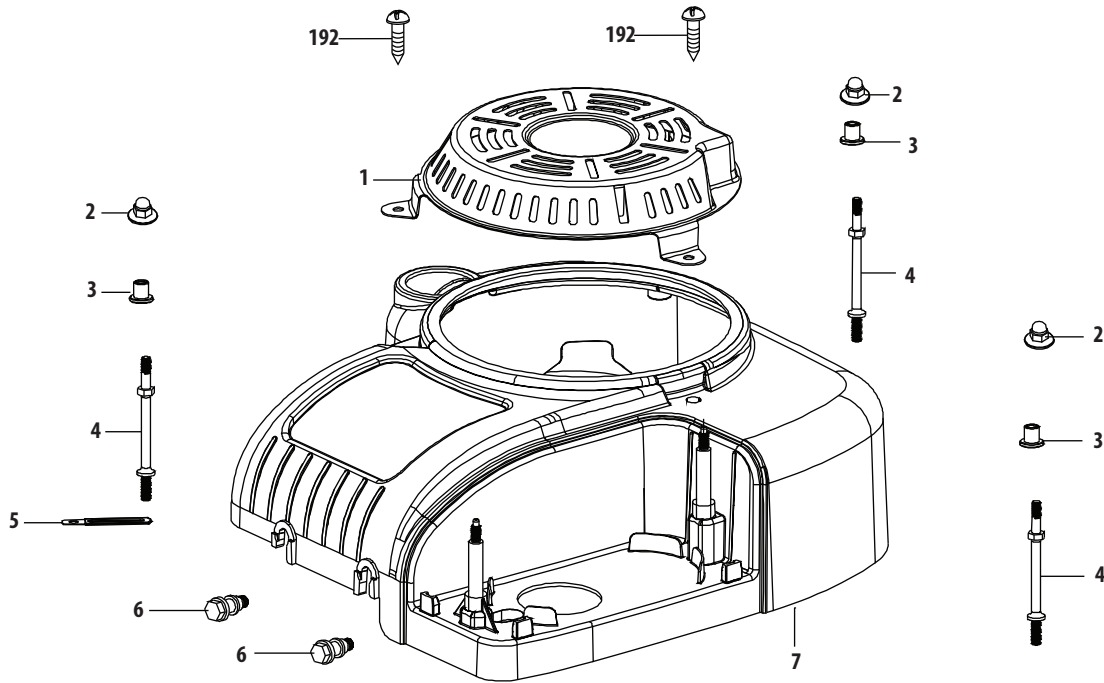




# 4P90JUA Air Intake

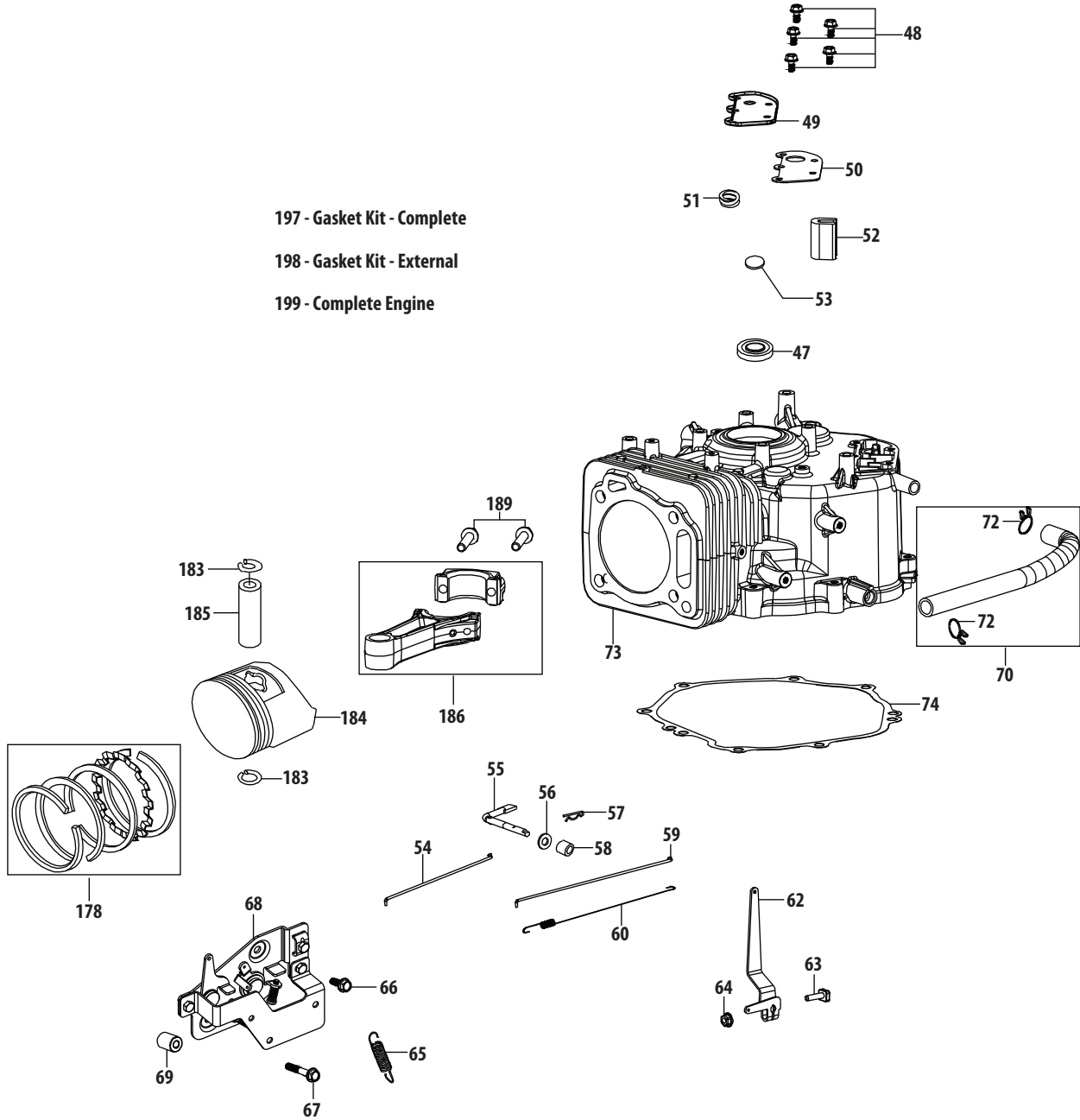


Ref.	Part Number	Description
120	951-12255	Air Filter Cover Assembly
121	712-04291	Air Filter Lock Nut
122	951-12255	Air Filter Cover
124	951-12256	Sponge Filter
126	951-12260	Air Filter Assembly
127	712-04212	Nut M6
128	951-12328	Rubber Cap
129	951-12257	Manifold
130	951-12258	Manifold Gasket



Ref.	Part Number	Description
1	751-12205	Debris Shield
2	712-04290	Nut
3	750-05320	Engine Shroud Spacer
4	710-05304	Starter / Shroud Stud M6×100
5	951-11622	Flexible Clamp
6	710-05305	Hook Bolt
7	951-12206	Air Shield
192	710-05303	Self-Tapping Bolt 5.5×25

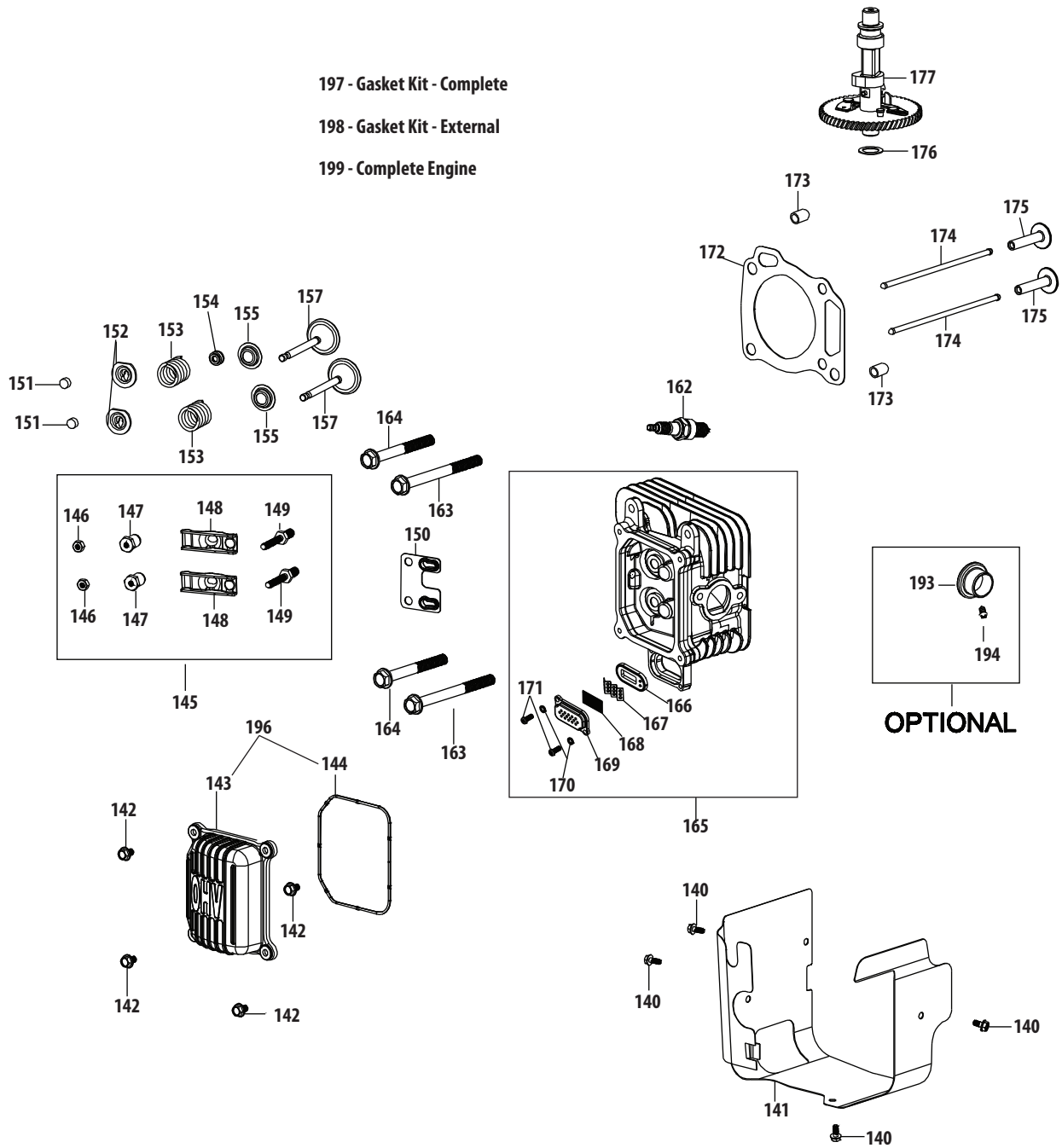
# 4P90JUA Crankcase



## 4P90JUA Crankcase

Ref.	Part Number	Description	Ref.	Part Number	Description
47	951-11499	Upper Crankshaft Seal	68	951-12234	Throttle Control Bracket
48	710-04916	Bolt M6×14	69	750-05530	Component Bracket Spacer
49	751-12770	Breather Cover Plate	70	951-12235	Breather Hose Assembly
50	951-12226	Breather Gasket	72	951-12236	Breather Hose Clamp
51	951-12685	Umbrella Valve	73	751-12200A	Short Block Assembly
52	951-12227	Mesh Screen			(Incl.37,47-53,55-58,73-77,84,
53	951-12686	Umbrella Valve Seat			86-89,91-93,98-104,112,113,
54	951-12228	Choke Linkage			115-119,137,138,144,160,
55	951-12229	Governor Arm Shaft			172,173,175-178,183-186)
56	736-04558	Governor Washer	184	951-12276	Piston
57	714-04074	Governor Cotter Pin	185	951-11954	Piston Pin
58	951-11574	Governor Seal	186	951-12277	Connecting Rod Assembly
59	951-12230	Throttle Linkage	189	710-05319	Connecting Rod Bolt
60	951-12231	Throttle Linkage Spring	197	951-12204	Gasket Kit - Complete
62	951-12232	Governor Arm			(Incl.47,50,58,74,113,118,130
63	710-04908	Governor Arm Bolt			136-138,144,160,166)
64	712-04212	Governor Arm Nut M6	198	951-12201	Gasket Kit - External
65	951-12233	Governor Spring			(Incl.113,130,136-138,144,160)
66	710-04979	Bolt M6×18	199	952Z4P90JUA	Complete Engine
67	710-05310	Bolt M6×38			

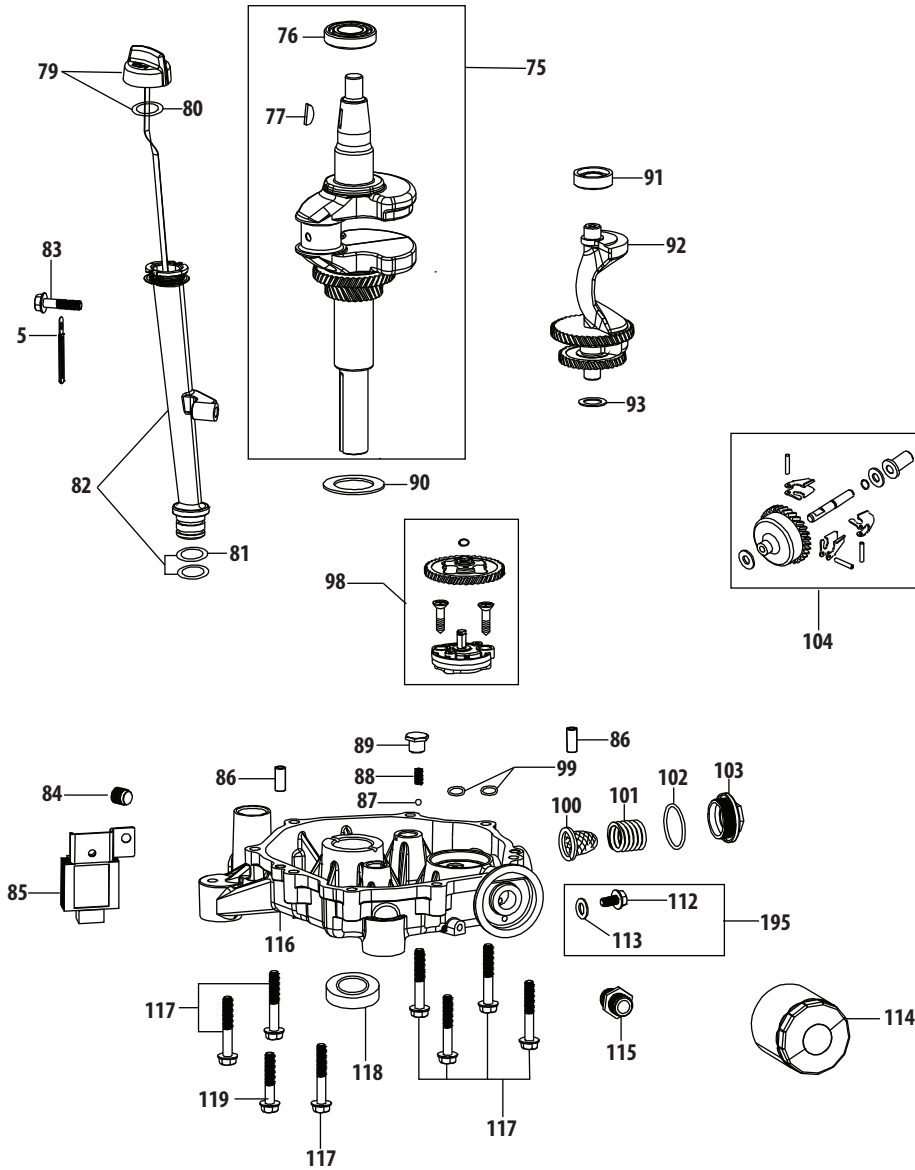
# 4P90JUA Cylinder Head



## 4P90JUA Cylinder Head

Ref.	Part Number	Description	Ref.	Part Number	Description
140	710-05315	Bolt M5×10	165	951-12202	Cylinder Head Kit (Incl.144,156,163,164,166)
141	951-12265	Cowl	166	751-12774	Air Valve Core
142	710-05316	Valve Cover Bolt	167	751-12775	Strainer Clip
143	951-12266	Valve Cover	168	751-12776	Strainer
144	951-12267	Valve Cover Ring Gasket	169	751-12777	The Air Valve Bonnet
145	951-11981	Rocker Arm Assembly	170	736-04629	Washer
146	751-11124	Jam Nut	171	710-05450	Screw M5×12
147	751-11123	Fulcrum Nut	172	951-12273	Cylinder Head Gasket
148	951-11966	Rocker Arm	173	715-04122	Cylinder Head Dowel 12×16
149	710-04962	Rocker Arm Stud	174	951-11335	Push Rod Kit
150	951-12268	Push Rod Guide	175	951-11962	Tappet
151	951-12081	Exhaust Valve Adjuster	176	736-04561	Camshaft Thrust Washer
152	951-12080	Exhaust Valve Spring Retainer	177	951-12274	Camshaft Assembly
153	951-12078	Valve Spring	193	951-12329	Spark Arrestor
154	951-11964	Intake Valve Seal	194	710-05344	Spark Arrestor Screw
155	951-12077	Valve Spring Retainer	196	951-12197	Valve Cover Kit
157	951-11337	Valve Kit	197	951-12204	Gasket Kit - Complete (Incl.47,50,58,74,113,118,130 136-138,144,160,166)
162	951-10292	Spark Plug/F6Rtc	198	951-12201	Gasket Kit - External (Incl.113,130,136-138,144,160)
163	710-05317	Bolt M10×1.25×85	199	952Z4P90JUA	Complete Engine
164	710-05318	Bolt /M10×1.25×65			
165	751-12778	Cylinder Head Asm (Incl.137-139,144,146-157 160,161,163-172)			

# 4P90JUA Crankshaft & Crankcase Cover

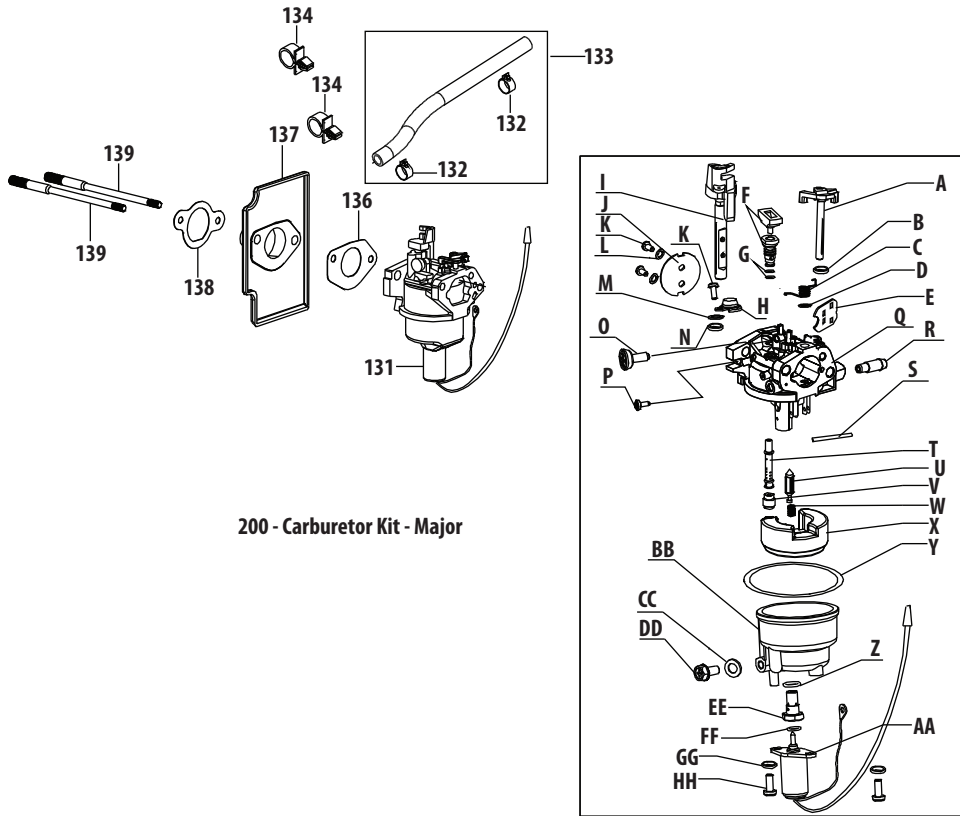




## 4P90JUA Crankshaft & Crankcase Cover

Ref.	Part Number	Description	Ref.	Part Number	Description
5	951-11622	Flexible Clamp	98	951-12248	Oil Pump Assembly
75	951-12238	Crankshaft Assembly	99	951-12247	O-Ring 10×2.65
76	951-11969	Main Bearing	100	951-12249	Filter
77	951-10307	Woodruff Key	101	951-12250	Filter Spring
79	951-12239	Dipstick Assembly	102	951-12251	O-Ring 35.5×2.65
80	951-12241	Upper O-Ring	103	951-12252	Filter Cover
81	951-12363	Lower O-Ring	104	951-11956	Governor Gear/Shaft Assembly
82	951-12240	Oil Fill Tube Assembly	112	710-05313	Bolt M8×15
83	710-04980	Bolt M6×35	113	736-04560	Oil Drain Plug Washer
84	710-05311	Oil Drain Plug	114	951-12690	Oil Filter
85	951-12242	Regulator	115	951-12253	Screw Joint
86	715-04121	Dowel Pin 8×14	116	951-12254	Crankcase Cover
87	951-12243	Ball 6.35		951-12318	Crankcase Cover Asm (Incl.87-89,100-104,112,113,115,116)
88	951-12244	Spring			
89	710-05312	Bolt	117	710-04982	Bolt M8×54
90	736-04557	Crankshaft Thrust Washer	118	951-11375	Lower Crankshaft Seal
91	951-12245	Balanceable Shaft Bearing	119	710-05314	Bolt M8×43
92	751-12246	Balanceable Shaft Assembly	195	951-12194	Oil Drain Plug Assembly
93	736-04559	Balanceable Thrust Washer			

# 4P90JUA Carburetor Assembly



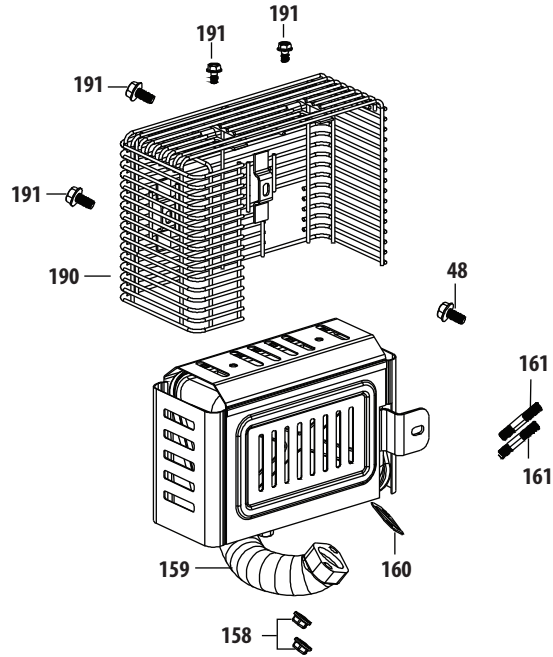
200 - Carburetor Kit - Major

## 4P90JUA Carburetor Assembly

Ref.	Part Number	Description
131	951-12823	Carburetor Assembly
132	951-11731	Fuel Hose Clamp
133	951-11336	Fuel Line Kit
134	723-04071	Plastic Support Clamp
136	951-12261	Carburetor Gasket
137	951-12262	Carburetor Insulator
138	951-12263	Carburetor Insulator Gasket
139	951-12264	Carb Stud
200	751-12779	Carburetor Kit - Major (Incl.130,136,B,BB,CC,DD G,M,N,U,W,Y,Z)
A	n/a	Choke Shaft
B	n/a	Fiber O-Ring
C	n/a	Choke Return Spring
D	n/a	Flat Steel Washer
E	n/a	Choke Plate
F	n/a	Idle Jet Assembly
G	n/a	Idle Jet O-Ring
H	n/a	Sheetmetal Housing
I	n/a	Throttle Shaft
J	n/a	Throttle Plate
K	n/a	Screw M3×5

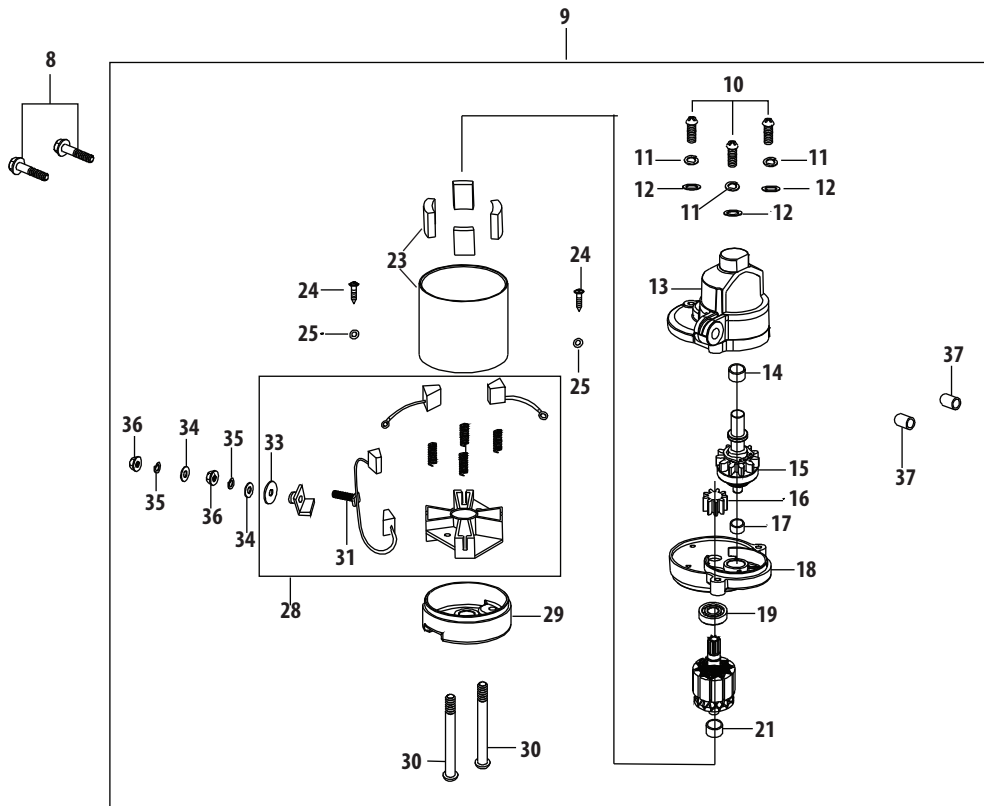
Ref.	Part Number	Description
L	n/a	Lock Washer
M	n/a	Nylon/Plastic O-Ring
N	n/a	Fiber O-Ring
O	n/a	Idle Speed Adjusting Screw
P	n/a	Idle Mixture Screw
Q	n/a	Carburetor Body
R	n/a	Fuel Inlet
S	n/a	Float Pin
T	n/a	Emulsion Tube
U	n/a	Needle Valve
V	n/a	Main Jet
W	n/a	Needle Valve Spring
X	n/a	Float
Y	951-12304	Fuel Bowl O-Ring
Z	751-12772	Seat/Fuel Bowl Bolt O-Ring
AA	751-12773	Solenoid Valve Assembly
BB	n/a	Fuel Bowl
CC	951-11349	Fuel Drain Plug Gasket
DD	710-04938	Fuel Drain Plug
EE	710-05449	Seat/Fuel Bowl Bolt
GG	736-04554	Washer
HH	710-05337	Screw M5×12

# 4P90JUA Muffler Assembly



Ref.	Part Number	Description
48	710-04916	Bolt M6×14
158	712-04219	Nut M8
159	951-12270	Muffler Assembly
160	951-12271	Exhaust Pipe Gasket
161	951-12272	Muff Stud M8×47
161	951-12196	Muffler Stud Assembly
190	951-12278	Wire Mesh Shield
191	710-05051	Bolt M6×12

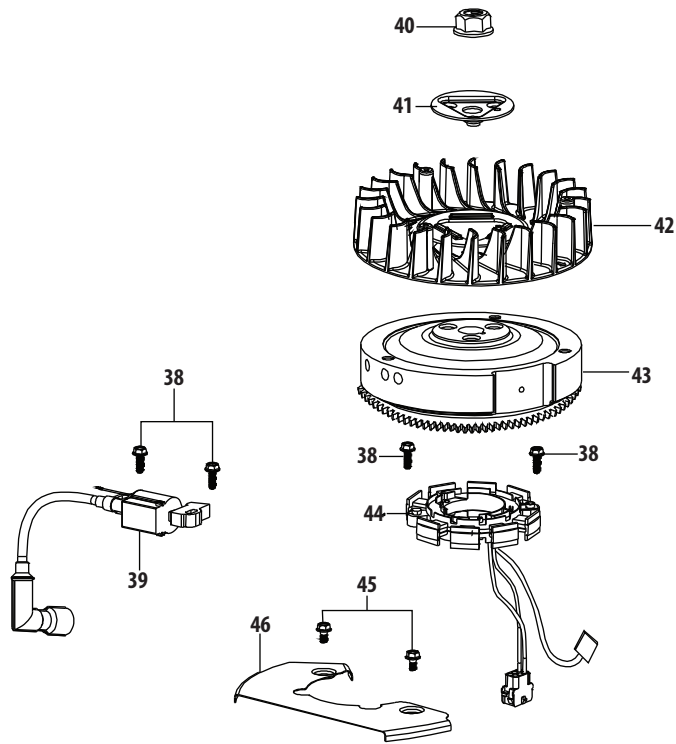
# 4P90JUA Starter Assembly



Ref.	Part Number	Description
8	710-05306	Bolt M8×40
9	951-12207	Starter Assembly
10	710-05307	Screw M5×25
11	736-04554	Lock Washer 5
12	736-04556	Plain Washer 6
13	951-12208	Electrical Starter Front Cover
14	951-12211	Bearing
15	951-12210	Pinion/Clutch Assembly
16	951-12312	Gear
17	951-12209	Bearing
18	951-12212	Pinion Cover
19	951-12214	Bearing 6001Zz
21	951-12216	Bearing

Ref.	Part Number	Description
23	951-12528	Starter Housing Assembly
24	951-12217	Screw
25	736-04554	Lock Washer
28	951-12529	Brush Assembly
29	951-12219	Electrical Starter Back Cover
30	710-05308	Bolt M6×100
31	951-12324	Bolt M6×30 Assembly
33	736-04555	Insulation Washer
34	736-04556	Plain Washer 6
35	736-04477	Lock Washer 6
36	712-04212	Nut M6
37	715-04120	Dowel Pin 10×14

# 4P90JUA Ignition & Electrical



Ref.	Part Number	Description
38	710-04920	Bolt M6×28
39	951-12220	Ignition Coil Assembly
40	712-04220	Flywheel Nut M16×1.5
41	951-12221	Fan Mounting Plate
42	751-12222A	Cooling Fan
43	951-12223	Flywheel
44	951-12224	Coil Assy. Charge
45	710-04940	Bolt M6×10
46	951-12279	Cowl





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