



Parts Manual

IS4000Z Series

Zero-Turn Riding Mower

NO IMAGE AVAILABLE

Models:
IS4000Z/K25

Ferris Industries
5375 North Main Street
Munnsville, NY 13409 USA
800-933-6175

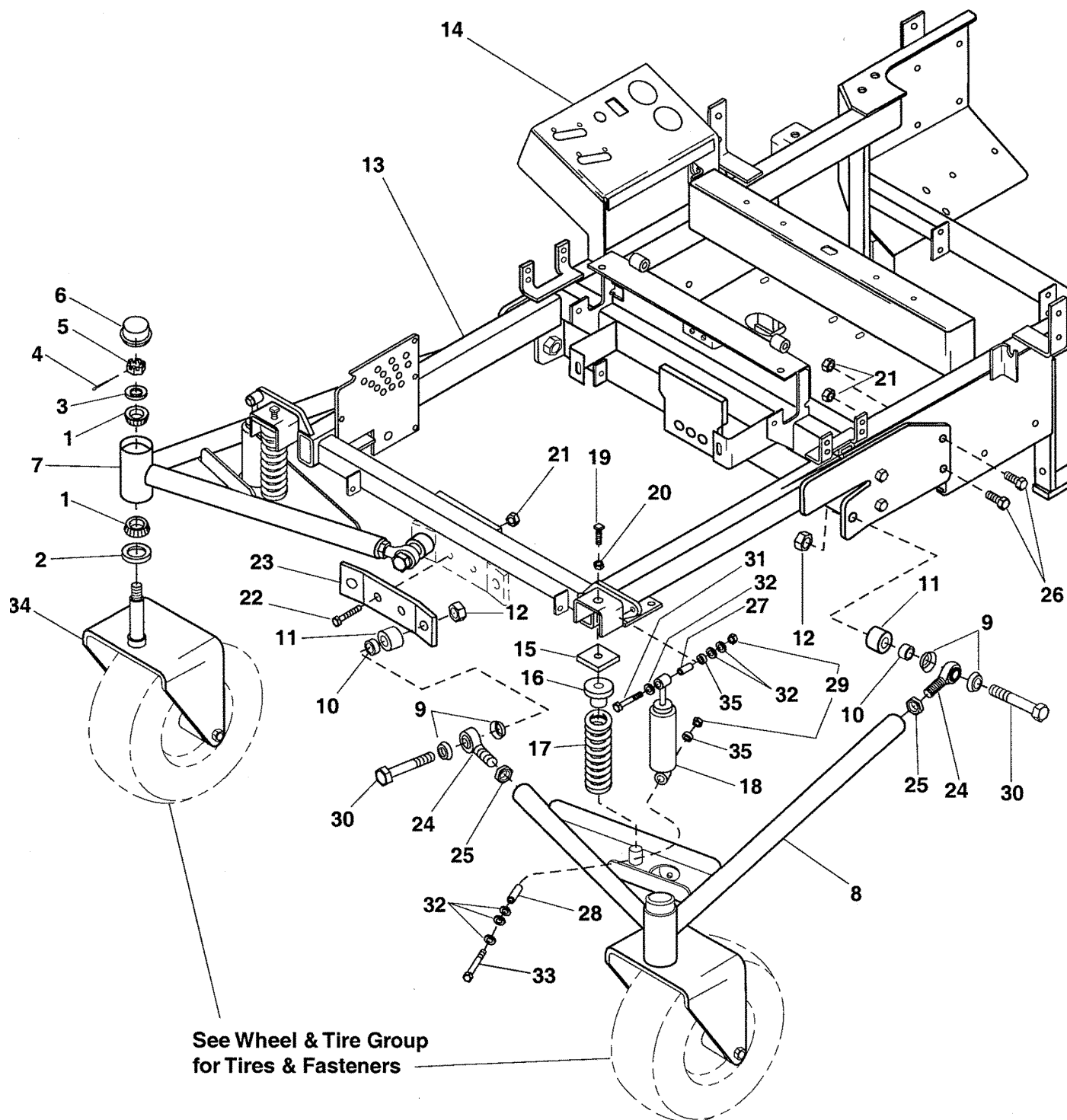
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MODEL COMPONENTS	PAGE
Front Suspension & Main Frame Group	4
Rear Covers & Bumper Group	6
Seat, Floor, Control Cover, & Fender Group	8
Instrument Panel Group	10
25hp Kohler Engine Group	12
Hydraulic Pump & PTO Group	14
Motion Control Group	16
Gas Tank, Hydraulic Reservoir, & Neutral Return Group	18
Hydraulic Idler Group	20
Hydraulic Group	22
Upper Brake & Control Shaft Group	24
Parking Brake Group - Lower	26
Deck Lift Group	28
Gear Box Group	32
Wheels & Tires Group	34
61" Mower Housing, Cover, Spindle & Blade Group	36
Battery Tray & Oil Cooler Group	38
Suspension Group	40
61" Mower Deck Roller Group	42
61" Mower Rear Mount Group	44
61" Mower Drive Group	46
Electrical Group Kohler	48
Torque Specification Chart	Inside Back Cover

Front Suspension & Main Frame Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

267FRM0



The above parts group applies to the following Mfg. Nos.:
IS4000Z/K25

Front Suspension & Main Frame Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5020884	4	BEARING, Tapered Roller
2	5021072	2	SEAL, Grease
3	5025160	2	WASHER, 3/4
4	5025203X10	2	PIN, Cotter
5	5025104	2	NUT, Hex, Slotted, 3/4-16
6	5021073	2	CAP
7	5046266	1	SUSPENSION ARM, Right
8	5046267	1	SUSPENSION ARM, Left
9	5022111	8	ROD END SEAL
10	5046187	4	SPACER, SMALL
11	5046186	4	SPACER, LARGE
12	5025284	4	NUT, Hex, Nylon Lock, 3/4-16
13	5045733	1	FRONT FRAME
14	5045709	1	MAIN FRAME
15	5045904	2	SPRING COMPRESSION PLATE
16	5045898	2	SPRING RETAINER
17	5021747	2	SPRING, Suspension
18	5021687	2	SHOCK ABSORBER
19	5025298	2	SET SCREW, Square Hd, 1/2-13 x 3
20	5025301	2	NUT, Hex, Jam, 1/2-13
21	5025098	10	NUT, Hex, Nylon Lock, 1/2-20
22	5025018X14	2	BOLT, 1/2-20 x 1-3/4
23	5046060	1	SUSPENSION SUPPORT PLATE
24	5022039	4	BALL JOINT, 3/4-16
25	5025093	4	NUT, Hex, Jam, 3/4-16
26	5025018X10	8	BOLT, 1/2-20 x 1-1/4
27	5044959	2	MOUNT, SHOCK
28	5044992	2	SPACER, Lift Plate
29	5025100	4	NUT, Hex, Side Lock, 3/8-16
30	5025265X32	4	BOLT, 3/4-16 x 4
31	5025013X20	2	BOLT, 3/8-16 x 2-1/2
32	5025156	12	WASHER, 3/8
33	5025013X28	2	BOLT, 3/8-16 x 3-1/2
34	5045769	2	YOKE, Caster
35	5044933	4	SPACER, Lift Ball Joint

Footnotes

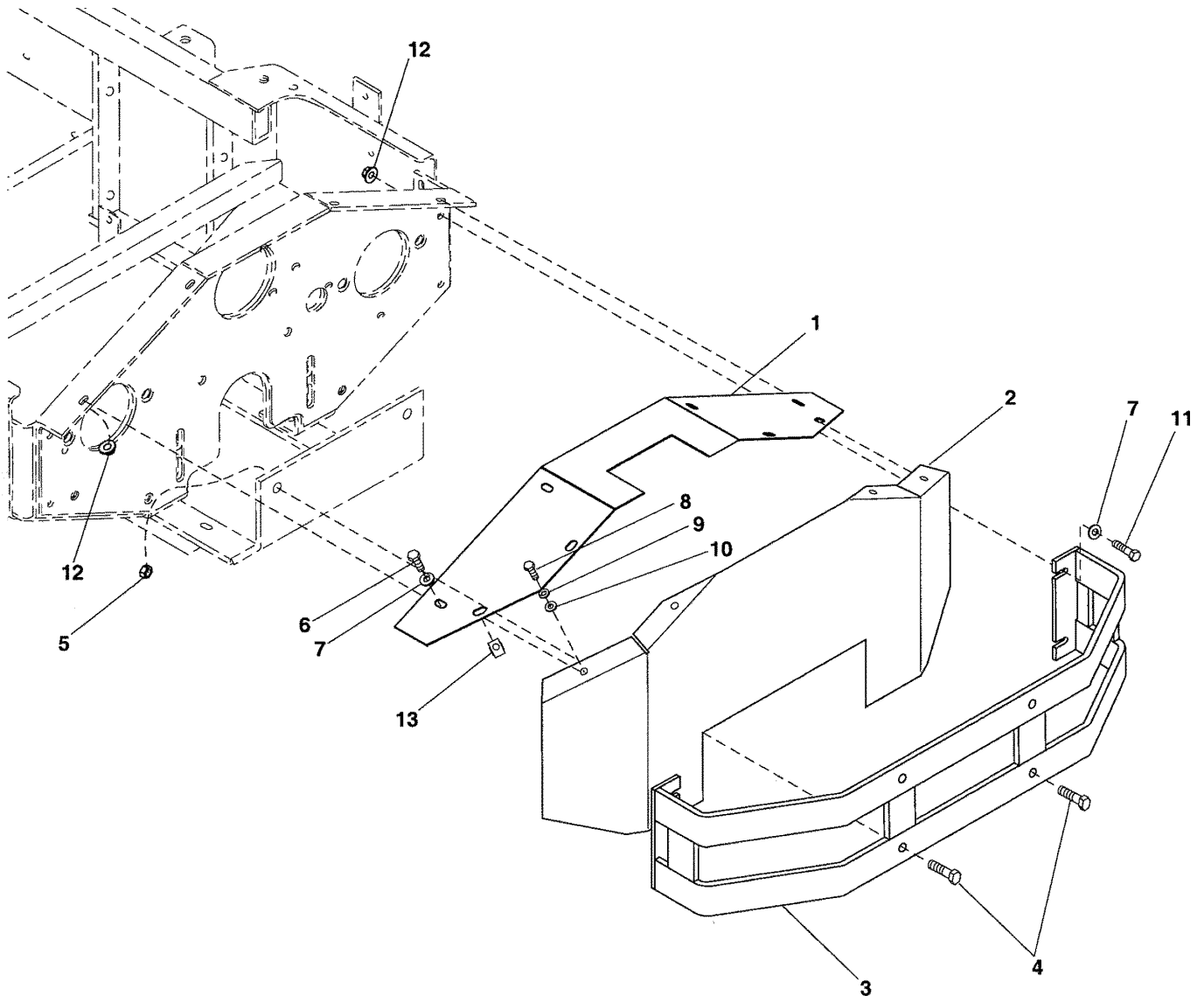
The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Rear Covers & Bumper Group

267BMP0

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Rear Covers & Bumper Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5045793	1	SUPPORT COVER, REAR
2	5045784	1	SHIELD, REAR
3	5045778	1	BUMPER
4	5025018X12	2	BOLT, 1/2-20 x 1-1/2
5	5025098	2	NUT, Hex, Nylon Lock, 1/2-20
6	5025013X8	4	BOLT, 3/8-16 x 1
7	5025156	8	WASHER, Flat, 3/8
8	5025011X8	4	BOLT, 5/16-18 x 1
9	5025170	4	WASHER, Lock, 5/16
10	5025155	4	WASHER, Flat, 5/16
11	5025013X12	4	BOLT, 3/8-16 x 1-1/2
12	5025128	8	NUT, Serrated Flange, 3/8-16
13	5022308	4	BODY CLIP, 5/16-18

Footnotes

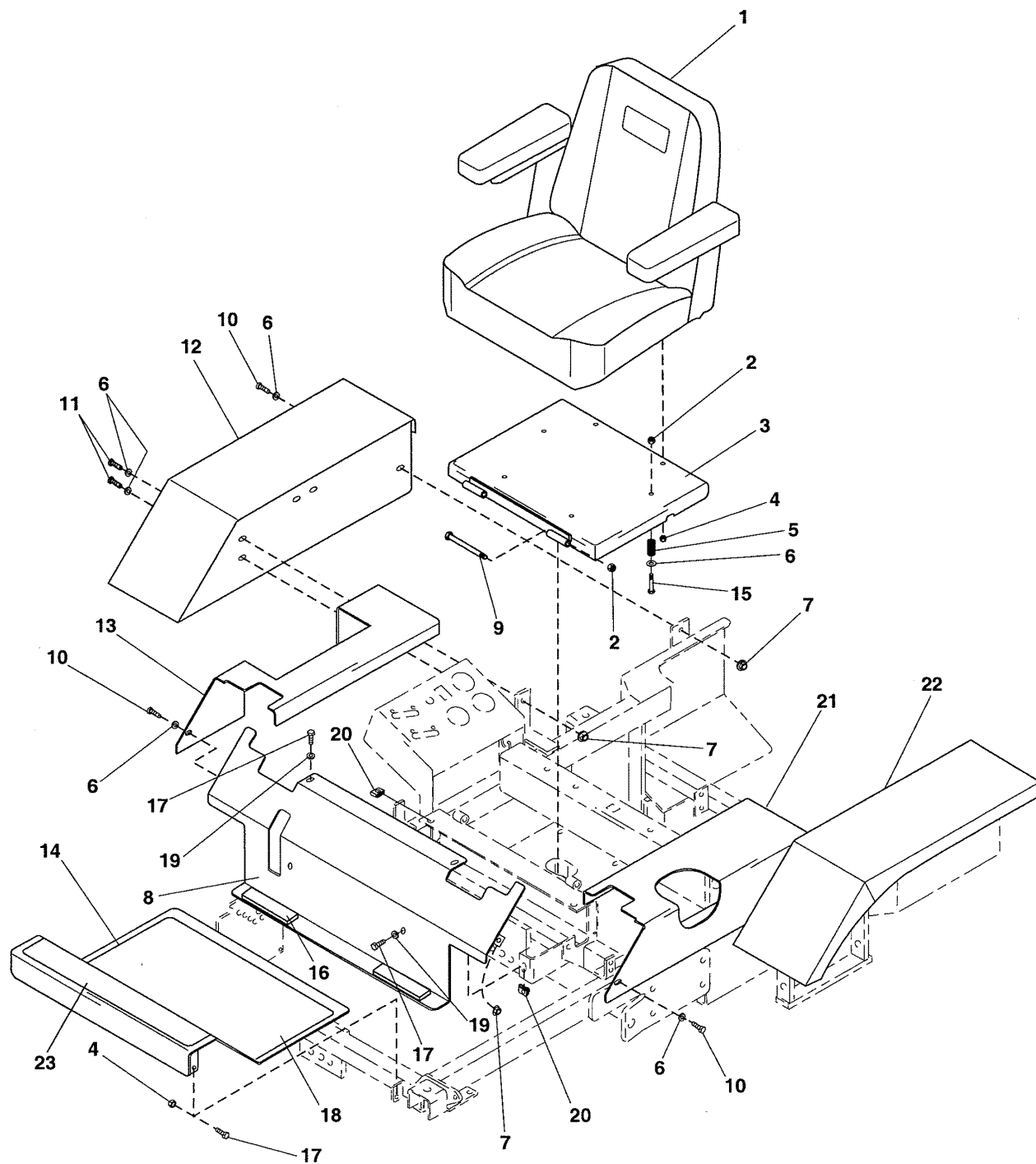
The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Seat, Floor, Control Cover, & Fender Group

267STM0

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Seat, Floor, Control Cover, & Fender Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5022031	1	SEAT
1	5022031	1	CUSHION, Seat, Gray
1	5020930	1	CUSHION, Back, Gray
1	5022440	2	ARM REST, Gray
2	5025096	4	NUT, Hex, Nylon Lock, 3/8-16
3	5045728	1	SEAT MOUNT PLATE
4	5025057	6	NUT, Hex, Nylon Lock, 5/16-18
5	5021102	2	SPRING, Compression
6	5025156	8	WASHER, 3/8
7	5025128	6	NUT, Hex, Serrated Flange 3/8-16
8	5046080	1	FRONT COVER
9	5025013X32	2	BOLT, 3/8-16 x 4
10	5025013X8	4	BOLT, 3/8-16 x 1
11	5025013X10	4	BOLT, 3/8-16 x 1-1/4
12	5046077	1	FENDER, RIGHT
13	5046123	1	SIDE COVER, RIGHT
14	5045739	1	FLOOR PLATE
15	5025013X18	2	BOLT, 3/8-16 x 2-1/4
16	5021877	2	RUBBER STRAP
17	5025011X8	6	BOLT, 5/16-18 x 1
18	5044873	1	SAFETY WALK
19	5025155	4	WASHER, 5/16
20	5022308	6	BODY CLIP, 5/16-18
21	5046122	1	SIDE COVER, LEFT
22	5046076	1	FENDER, LEFT
23	5045757	1	SAFETY WALK

Footnotes

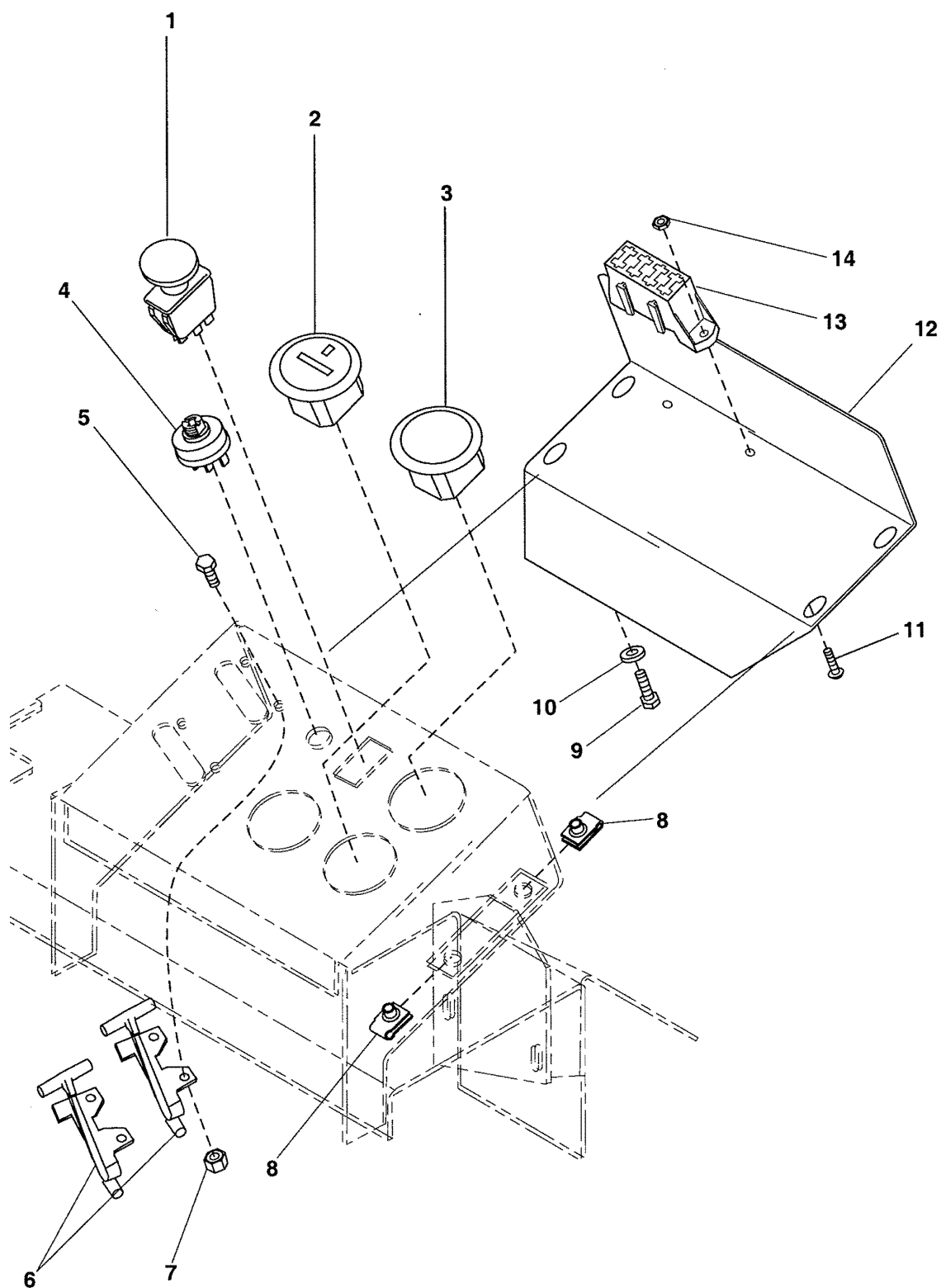
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IS4000Z/K25

Instrument Panel Group

267INS0

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use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Instrument Panel Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5022180	1	SWITCH, PTO
2	5020060	1	HOUR METER
3	5022387	1	VOLTMETER
4	5020927	1	SWITCH, Ignition
5	5025011X6	4	BOLT, 5/16-18 x 3/4
6	5021662	2	CABLE, Throttle & Choke
7	5025127	4	NUT, Hex, Serrated Flange, Small 5/16-18
8	5022308	4	BODY CLIP, 5/16-18
9	5025011X8	4	BOLT, 5/16-18 x 1
10	5025155	4	WASHER, 5/16
11	5025270	2	MACHINE SCREW, Truss Head #10-24 x 1
12	5045696	1	COVER, CONTROL PANEL
13	-	1	FUSE BLOCK
14	5025271	2	NUT, Hex, Nylon Lock, #10-24

Footnotes

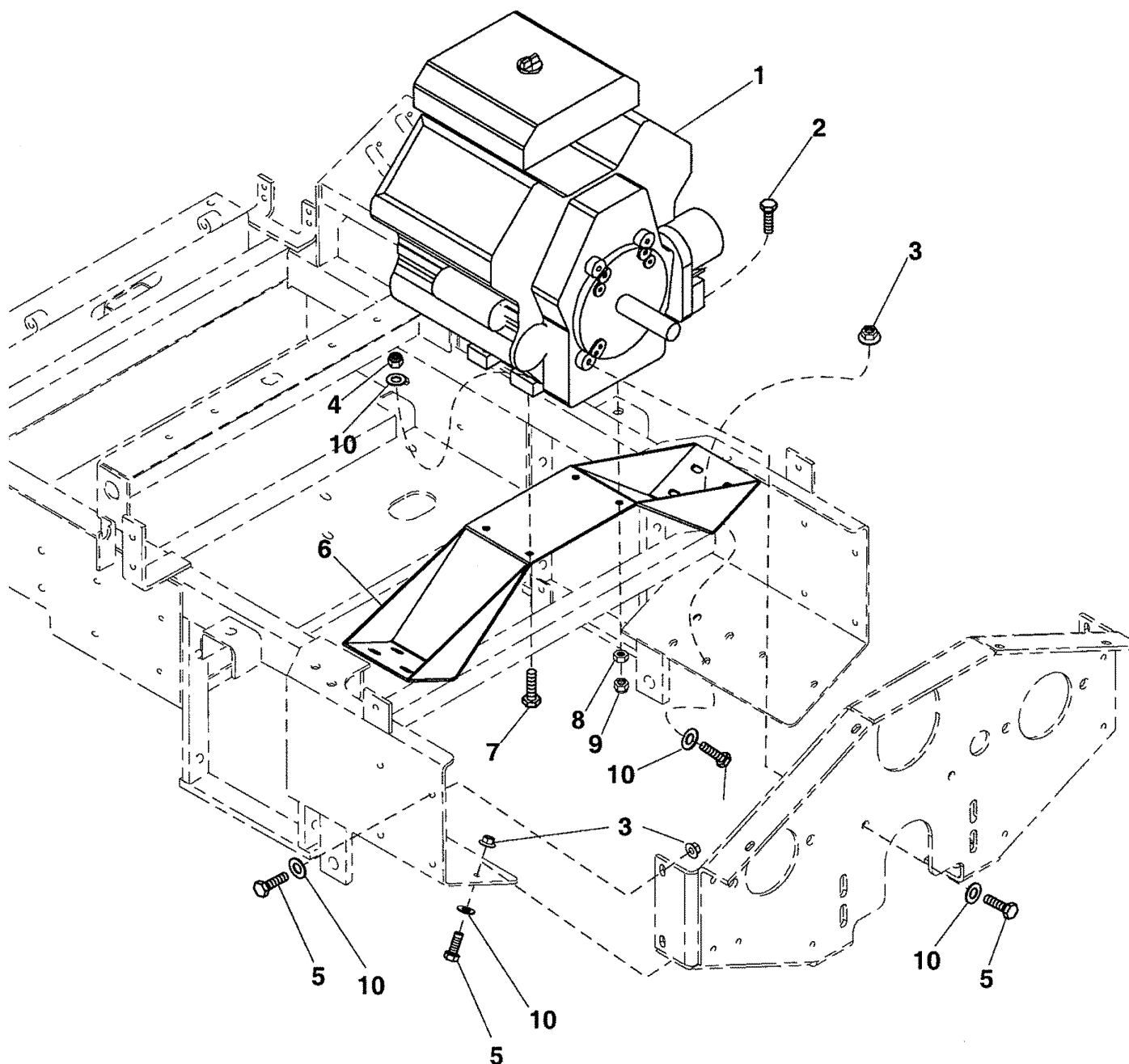
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IS4000Z/K25

25hp Kohler Engine Group

NOTE: Unless noted otherwise,
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specification chart.

267ENGK



The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

25hp Kohler Engine Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5022369	1	ENGINE, 25hp, Kohler
2	5025011X16	1	BOLT, 5/16-18 x 2
3	5025128	14	NUT, Hex, Serrated Flange, 3/8-16
4	5025096	3	NUT, Hex, Nylon Locking, 3/8-16
5	5025013X8	18	BOLT, 3/8-16 x 1
6	5045748	1	ENGINE MOUNT
7	5025013X16	3	BOLT, 3/8-16 x 2
8	5025032	1	NUT, Hex, 5/16-18
9	5025057	1	NUT, Hex, Nylon Locking, 5/16-18
10	5025156	21	WASHER, Flat, 3/8

Footnotes

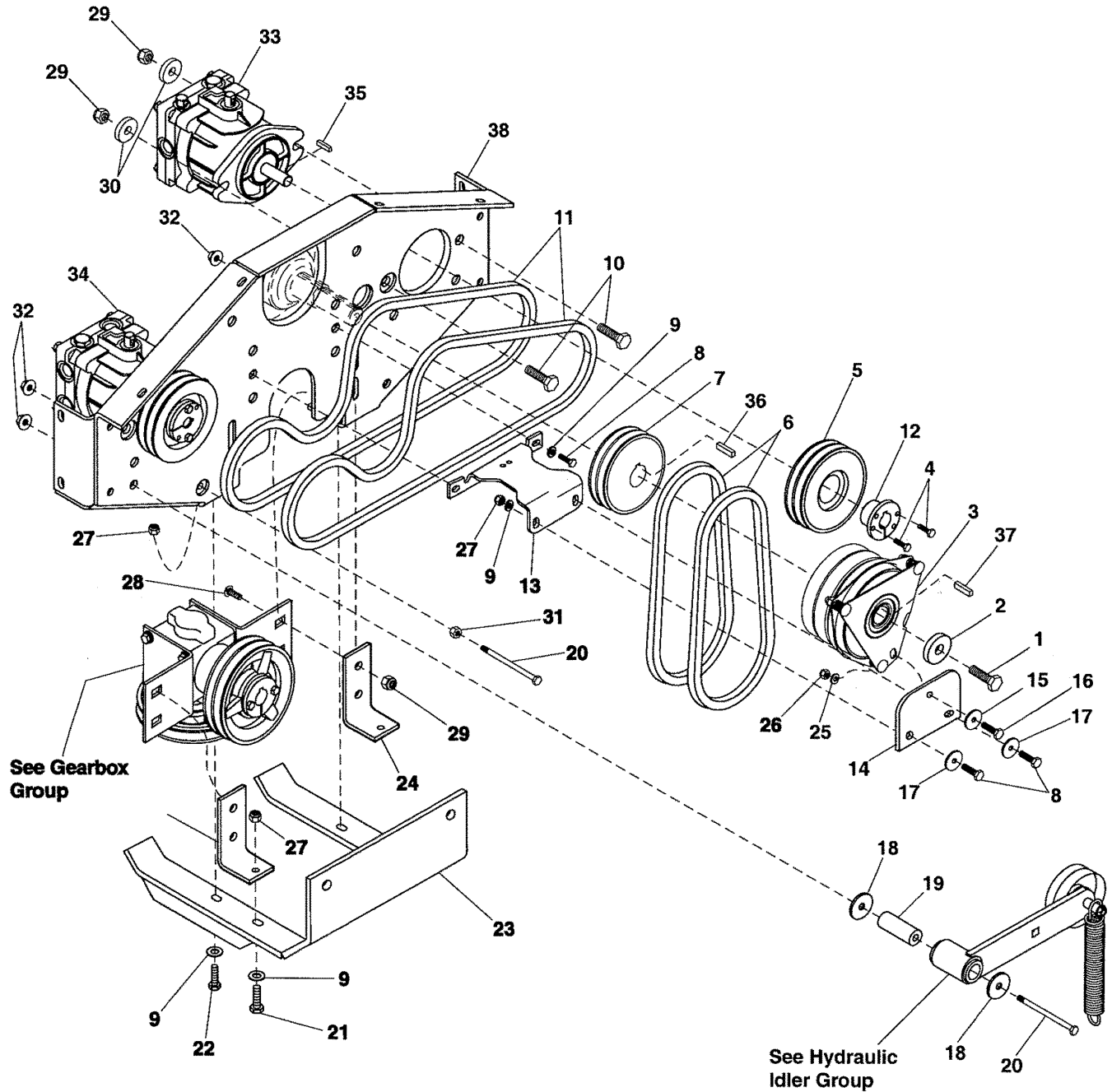
The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Hydraulic Pump & PTO Group

267PT00

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:
IS4000Z/K25

Hydraulic Pump & PTO Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5045289	1	BOLT, 7/16-20 x 2-1/2
2	5045475	1	CLUTCH RETAINER
3	5022330	1	CLUTCH, Electric
4	5025010X8	4	BOLT, 1/4-20 x 1
5	5022382	2	PULLEY, Pump
6	5022315	2	BELT, PTO
7	5022380	1	PULLEY, Crank Shaft
8	5025013X8	4	BOLT, 3/8-16 x 1
9	5025156	8	WASHER, Flat, 3/8
10	5025018X14	4	BOLT, 1/2-20 x 1-3/4
11	5022314	2	BELT, Hydraulic
12	5022383	2	BUSHING, Tapered Hub
13	5045707	1	ANTI-ROTATION BRACKET
14	5043636	1	CLUTCH ANCHOR PAD
15	5025164	1	WASHER, Fender, 5/16
16	5025011X8	1	BOLT, 5/16-18 x 1
17	5025165	2	WASHER, Fender, 3/8
18	5045139	2	WASHER, Idler Arm Retaining
19	5045135	1	PIVOT SHAFT
20	5025013X32	2	BOLT, 3/8-16 x 4
21	5025013X12	2	BOLT, 3/8-16 x 1-1/2
22	5025013X10	2	BOLT, 3/8-16 x 1-1/4
23	5045771	1	SKID PLATE
24	5045774	2	SPRING MOUNT TAB
25	5025155	1	WASHER, Flat, 5/16
26	5025057	1	NUT, Hex, Nylon Lock, 5/16-18
27	5025096	6	NUT, Hex, Nylon Lock, 3/8-16
28	5021824	4	BOLT, Carriage, 1/2-13 x 1-1/2
29	5025056	8	NUT, Hex, Nylon Lock, 1/2-13
30	5044913	4	WASHER, Frame Retaining
31	5025084	1	NUT, Hex, Jam, 3/8-16
32	5025128	4	NUT, Serrated Flange, 3/8-16
33	5022376	1	PUMP, Hydraulic, Right
34	5022375	1	PUMP, Hydraulic, Left
35	5022156	2	KEY, 5mm SQ.. x 25mm
36	5050407X1	1	KEY, 1/4 SQ.. x 1
37	5050404X3	1	KEY, 1/4 SQ.. x 2
38	5046036	1	PUMP PLATE

Footnotes

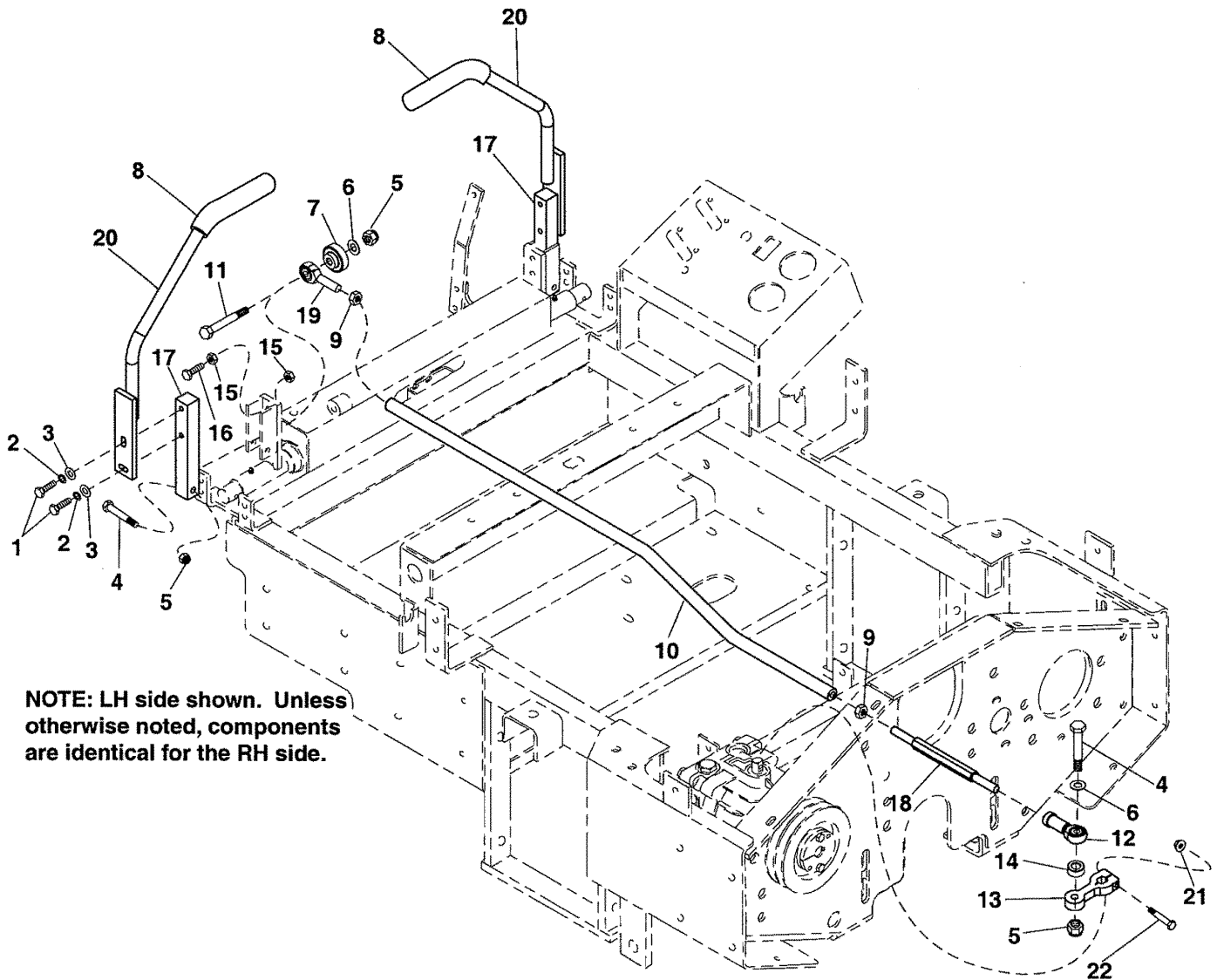
The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Motion Control Group

267MCG0

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Motion Control Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5025011X6	4	BOLT, 5/16-18 x 3/4
2	5025170	4	WASHER, Lock, 5/16
3	5025155	4	WASHER, 5/16
4	5025013X16	4	BOLT, 3/8-16 x 2
5	5025096	6	NUT, Hex, Nylon Locking, 3/8-16
6	5025156	4	WASHER, 3/8
7	5045948	2	BEARING & INSERT ASSEMBLY
7	5020827	1	Bearing
7	5021879	1	Insert
8	5022068	2	FOAM GRIP
9	5025035	4	NUT, Hex, 3/8-24
10	5045747	2	CONTROL ROD
11	5025013X18	2	BOLT, 3/8-16 x 2-1/4
12	5022392	2	BALL JOINT, 3/8 L.H., Female
13	5045863	2	CONTROL ARM
14	5044933	2	SPACER
15	5025032	4	NUT, Hex, 5/16-18
16	5025011X8	2	BOLT, 5/16-18 x 1
17	5045854	2	CONTROL HANDLE BASE
18	5045725	2	ADJUSTABLE LINK
19	5021124	2	BALL JOINT, 3/8
20	5045763	2	MOTION CONTROL LEVER
21	5025126	2	NUT, Hex, Serrated Flange, 1/4-20
22	5025010X14	2	BOLT, 1/4-20 x 1-3/4

Footnotes

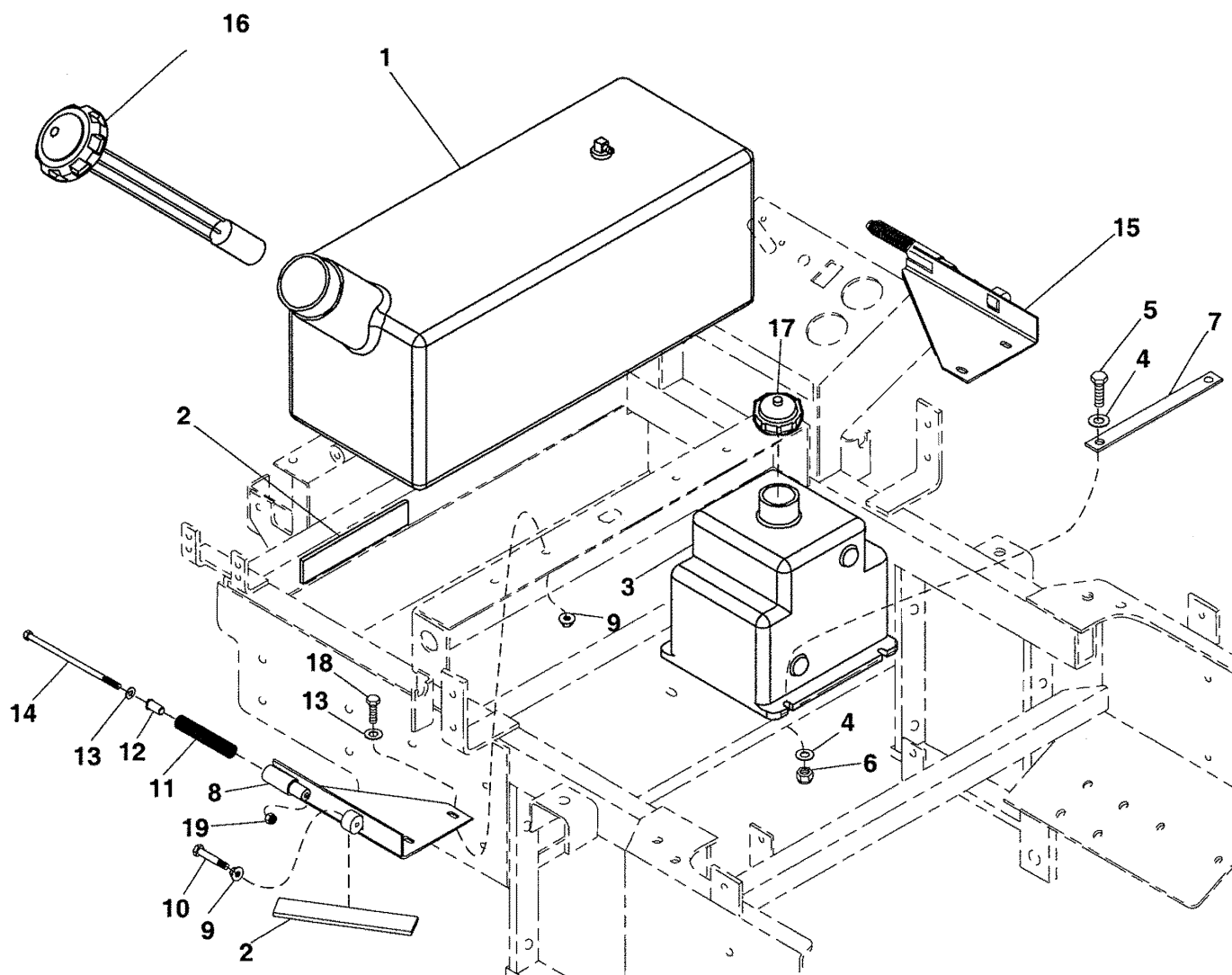
The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Gas Tank, Hydraulic Reservoir, & Neutral Return Group

267TNK0

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Gas Tank, Hydraulic Reservoir, & Neutral Return Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5045873	1	FUEL TANK
2	5021877	9	RUBBER PAD
3	5045872	1	HYDRAULIC RESERVOIR
4	5025156	8	WASHER, 3/8
5	5025013X12	4	BOLT, 3/8-16 x 1-1/2
6	5025096	4	NUT, Hex, Nylon Locking, 3/8-16
7	5046061	2	HOLD DOWN PLATE
8	5046043	1	SPRING BRACKET, Left
9	5025127	6	NUT, Serrated Flange, 5/16-18
10	5025011X18	2	BOLT, 5/16-18 x 2-1/4
11	5022421	2	SPRING, Compression
12	5022290	2	BUSHING, Flange
13	5025155	6	WASHER, 5/16
14	5025011X56	2	BOLT, 5/16-18 x 7
15	5046044	1	SPRING BRACKET, Right
16	5022386	1	GAS CAP
17	5022437	1	CAP, Hydraulic Reservoir
18	5025011X6	4	BOLT, 5/16-18 x 3/4
19	5025057	2	NUT, Hex, Nylon Locking, 5/16-18

Footnotes

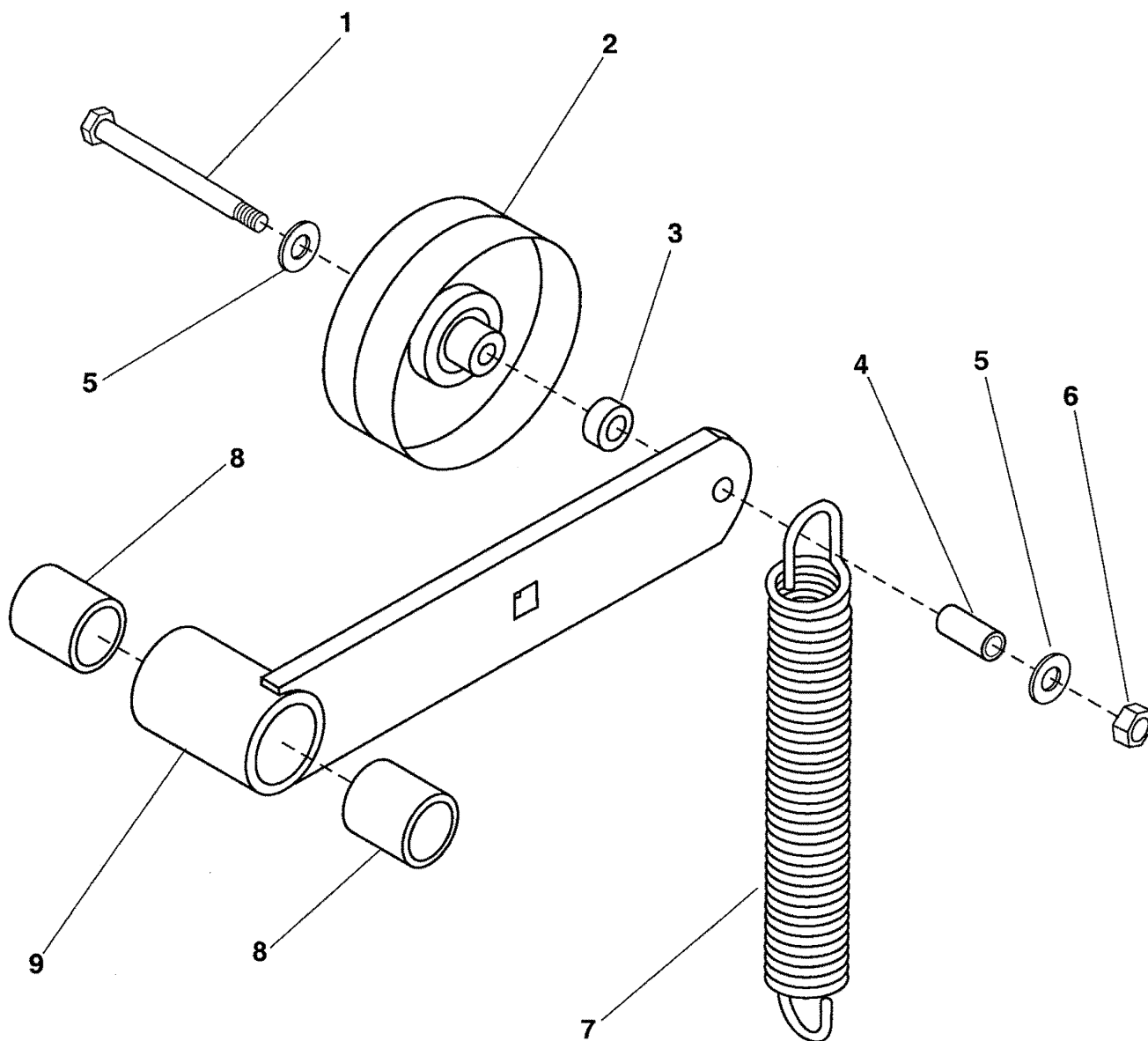
The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Hydraulic Idler Group

267HYD0

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:
IS4000Z/K25

Hydraulic Idler Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5025013X32	1	BOLT 3/8-16 x 4
2	5022373	1	PULLEY, Flat Idler
3	5044933	1	SPACER
4	5044959	1	SHOCK MOUNT
5	5025156	2	WASHER, 3/8
6	5025096	1	NUT, Hex, Nylon Lock, 3/8-16
7	5021826	1	SPRING
8	5022157	2	BUSHING, Flange
9	5045704	1	IDLER ARM

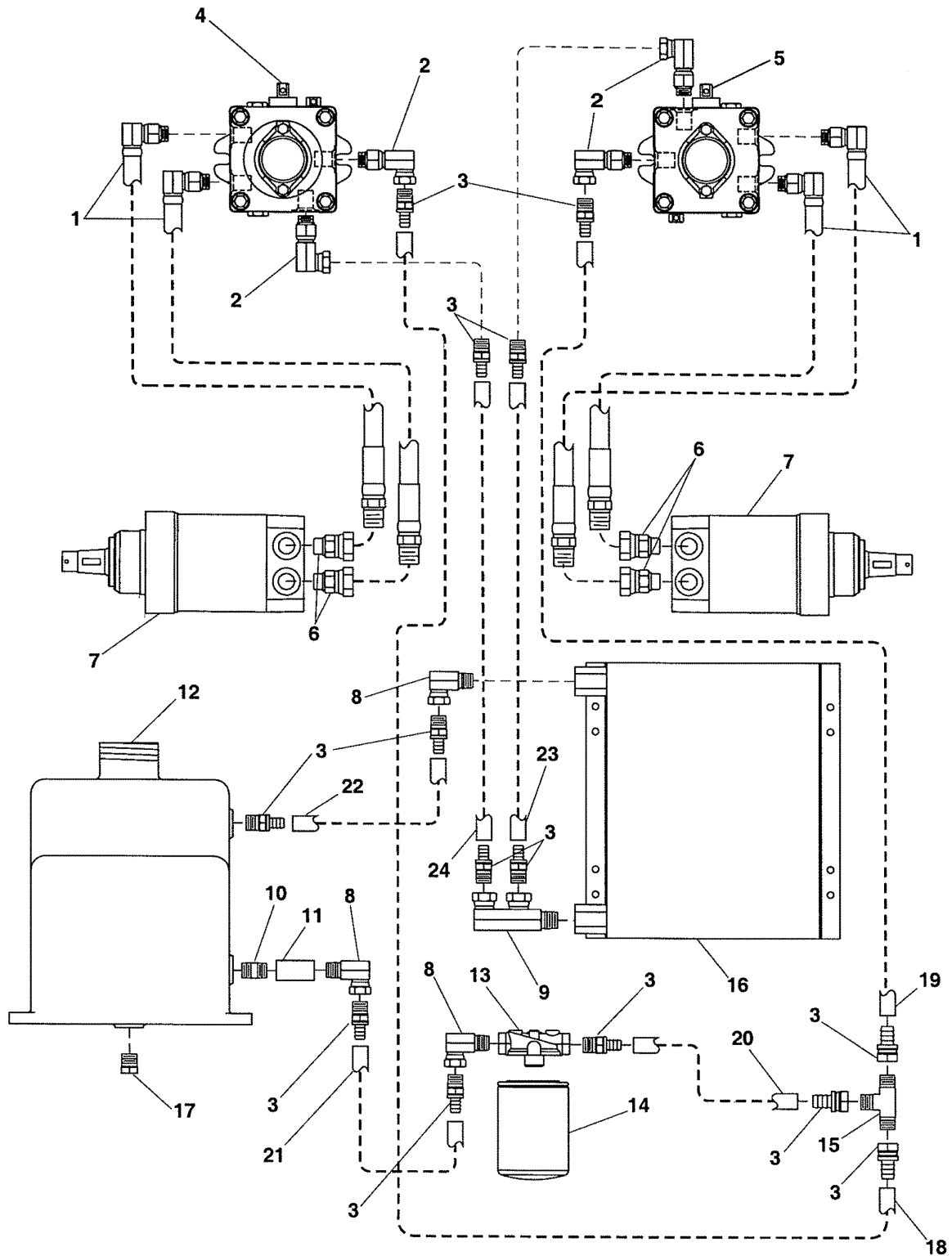
Footnotes

The above parts group applies to the following Mfg. Nos.:
IS4000Z/K25

Hydraulic Group

267HYD1

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Hydraulic Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5022046	4	HYDRAULIC HOSE ASSEMBLY
2	5021363	4	FITTING, 1/2 NPT, 90 Deg. O-Ring Swivel
3	5022388	11	FITTING, 1/2 NPT, Straight, Push On
4	-	1	HYDRAULIC PUMP, Left
5	-	1	HYDRAULIC PUMP, Right
6	5021166	4	FITTING, 7/8 Straight, Swivel
7	5022368	2	HYDRAULIC WHEEL MOTOR
8	5021132	3	FITTING 1/2 npt, 90 Deg. Swivel
9	5022374	1	FITTING 1/2 NPT, Manifold
10	5021163	1	NIPPLE, 1/2 NPT
11	5020985	1	COUPLER, 1/2 NPT
12	-	1	HYDRAULIC OIL RESERVOIR
13	5021356	1	FILTER HEAD
14	5021357	1	FILTER
15	5022390	1	FITTING, Union-T, 3/4-16, 45 Deg.
16	-	1	HYDRAULIC OIL COOLER
17	5020986	1	PIPE PLUG, 1/2 NPT
18	5050857X23	1	HYDRAULIC HOSE, Filter To Pump (Right)
19	5050857X8	1	HYDRAULIC HOSE, Filter To Pump (Left)
20	5050857X3	1	HYDRAULIC HOSE, Filter To Union-T
21	5050857X15	1	HYDRAULIC HOSE, Reservoir To Filter
22	5050857X12	1	HYDRAULIC HOSE, Cooler To Reservoir
23	5050857X35	1	HYDRAULIC HOSE, Pump To Cooler (Left)
24	5050857X13	1	HYDRAULIC HOSE, Pump To Cooler (Right)

Footnotes

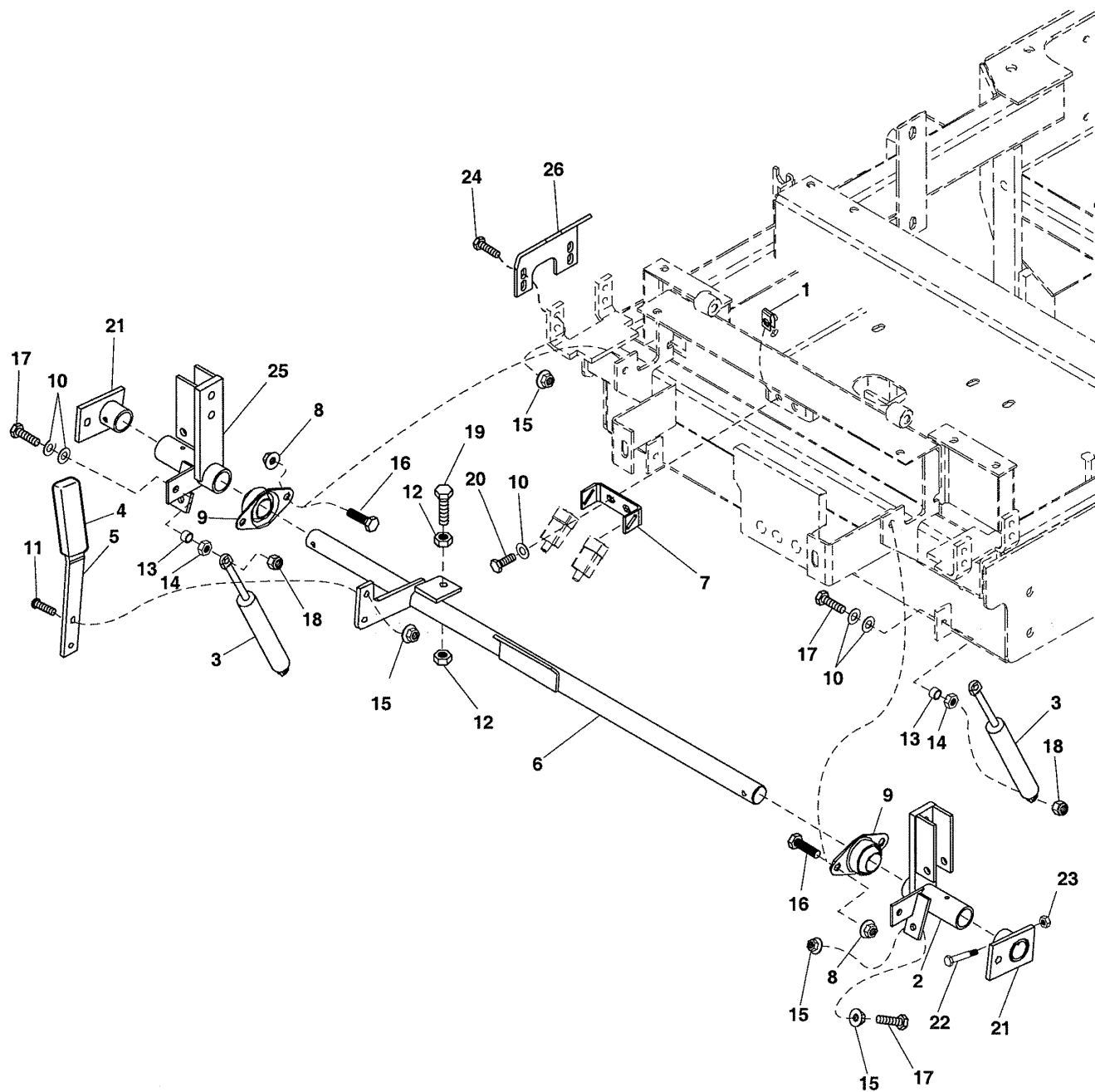
The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Upper Brake & Control Shaft Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

267PBR0



The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Upper Brake & Control Shaft Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5022308	2	BODY CLIP, 5/16-18
2	5045688	1	CONTROL ARM MOUNT, Left
3	5022360	2	DAMPENER
4	5025510	1	FOAM GRIP
5	5045619	1	BRAKE LEVER
6	5045788	1	BRAKE SHAFT
7	5046067	1	BRAKE SWITCH BRACKET
8	5025128	4	NUT, Hex, Serrated Flange 3/8-16
9	5022379	2	BEARING, Triangle
10	5025155	10	WASHER, 5/16
11	5025267X6	2	CAPSCREW, Button Socket Hd, 5/16-18 x 3/4
12	5025084	2	NUT, Hex Hd, Jam, 3/8-16
13	5041930	4	SPACER
14	5025032	4	NUT, Hex, 5/16-18
15	5025127	14	Nut, Hex, Serrated Flange, 5/16-18
16	5025013X6	4	BOLT, 3/8-16 x 3/4
17	5025011X12	6	BOLT, 5/16-18 x 1-1/2
18	5025057	4	NUT, HeX, Nylon Locking, 5/16-18
19	5025013X16	1	BOLT, 3/8-16 x 2
20	5025011X6	2	BOLT, 5/16-18 x 3/4
21	5045781	2	BRAKE LINKAGE
22	5025010X14	2	BOLT, 1/4-20 x 1-3/4
23	5025287	2	NUT, Hex, Side Locking, 1/4-20
24	5025011X8	8	BOLT, 5/16-18 x 1
25	5046081	1	CONTROL ARM MOUNT, Right
26	5046074	1	NEUTRAL PLATE, Right
27	5046075	1	NEUTRAL PLATE, Left (not shown)

Footnotes

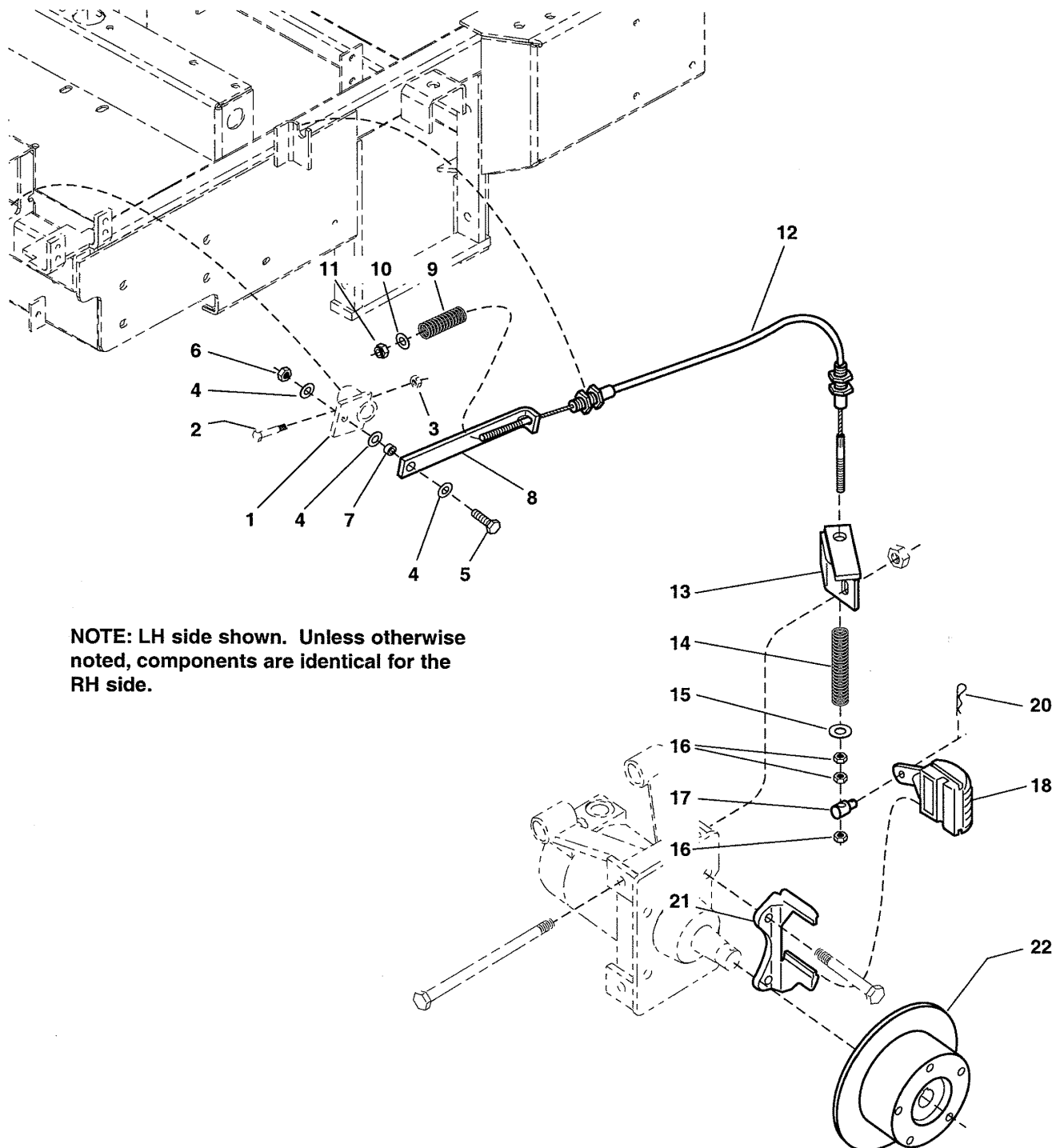
The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Parking Brake Group - Lower

267PBR1

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:
IS4000Z/K25

Parking Brake Group - Lower

REF NO.	PART NO.	QTY.	DESCRIPTION
1	-	2	BRAKE LINKAGE PIVOT
2	-	2	BOLT, 1/4-20 x 1-3/4
3	-	2	NUT, Hex, Nylon Lock, 1/4-20
4	5025156	6	WASHER, 3/8
5	5025013X10	2	BOLT, 3/8-16 x 1-1/4
6	5025096	2	NUT, Hex, Nylon Lock, 3/8-16
7	5041930	2	SPACER, Pivot
8	5045777	2	LINK, Brake Lock
9	5022361	2	SPRING, Compression
10	5025155	2	WASHER, 5/16
11	5025045	2	NUT, Hex, Nylon Lock, 5/16-24
12	5022209	2	CABLE, Brake
13	5045604	1	BRACKET, Cable Mount-LH
14	5021494	2	SPRING, Compression
15	5025164	2	WASHER, Fender, 5/16
16	5025033	6	NUT, Hex, 5/16-24
17	5045947	2	ADJUSTER, Brake Linkage
18	5022342	1	BRAKE CALIPER, LH
19	5022341	1	BRAKE CALIPER, RH (not shown)
20	5025211	2	HAIRPIN CLIP
21	5022340	2	MOUNT, Brake Caliper
22	5022339	2	HUB, 8" Brake Disc
23	5045605	1	BRACKET, Cable Mount-RH

Footnotes

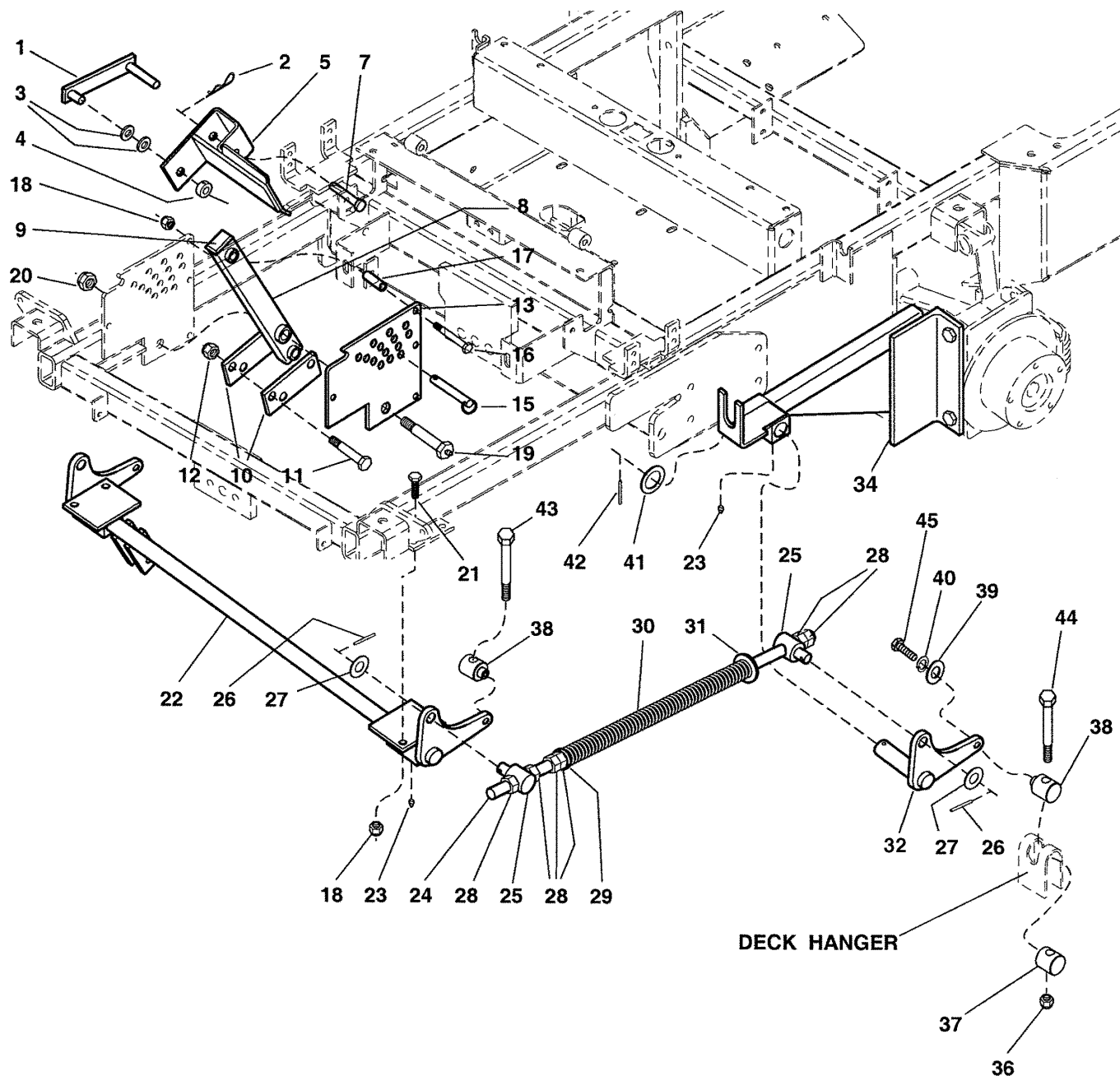
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IS4000Z/K25

Deck Lift Group

267DLT0

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specification chart.



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IS4000Z/K25

Deck Lift Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5044999	1	DECK LIFT LOCK
2	5025210	1	HAIRPIN CLIP
3	5025158	2	WASHER, 1/2
4	5010580	1	COLLAR, 1/2 Set
5	5045058	1	DECK LIFT PEDAL
6	5044875	1	SAFETY WALK, Deck Lift Pedal (not shown)
7	5022044	1	PIN, Clevis, 1/2 x 2-1/2
8	5044987	1	ARM, Deck Lift Pivot
9	5022097	1	CAP
10	5044994	2	LINK, Deck Lift
11	5025018X24	2	BOLT, 1/2-20 x 3
12	5025098	2	NUT, Hex, Nylon Lock, 1/2-20
13	5045379	1	DECK HEIGHT PLATE
14	5022063	1	DECAL, Deck Height (not shown)
15	5022045	1	PIN, 1/2 x 3
16	5025013X22	4	BOLT, 3/8-16 x 2-3/4
17	50449925	4	SPACER, Lift Plate
18	5025096	8	NUT, Hex, Nylon Lock, 3/8-16
19	5044993	1	LIFT PIVOT BOLT
20	5025282	1	NUT, Hex Jam, Nylon Lock, 5/8-11
21	5025013X10	4	BOLT, 3/8-16 x 1-1/4
22	5045743	1	DECK LIFT SHAFT & MOUNT ASSEMBLY
23	5020095	4	CREASE FITTING
24	5022393	2	SPRING ROD
25	5045856	4	SPRING ROD PIVOT
26	5022366	4	PIN, Spring, 3/16 x 1-1/4
27	5025281	4	WASHER, 5/8
28	5025040	12	NUT, Hex, 5/8-11
29	5041477	2	SPACER
30	5022333	2	SPRING, Deck Lift
31	5025159	2	WASHER, USS, 5/8
32	5045767	1	DECK LIFT PIVOT-LH
33	5045766	1	DECK LIFT PIVOT-RH (not shown)
34	5045684	1	REAR DECK LIFT FRAME-LH
35	5045685	1	REAR DECK LIFT FRAME-RH (not shown)
36	5025056	4	NUT, Hex, Nylon Lock, 1/2-13
37	5045857	4	BUSHING, DECK PIVOT
38	5045855	2	LIFT, BOLT PIVOT
39	5025164	4	WASHER, Fender, 5/16
40	5025170	4	WASHER, Lock 5/16
41	5021253	2	SHIM

Footnotes

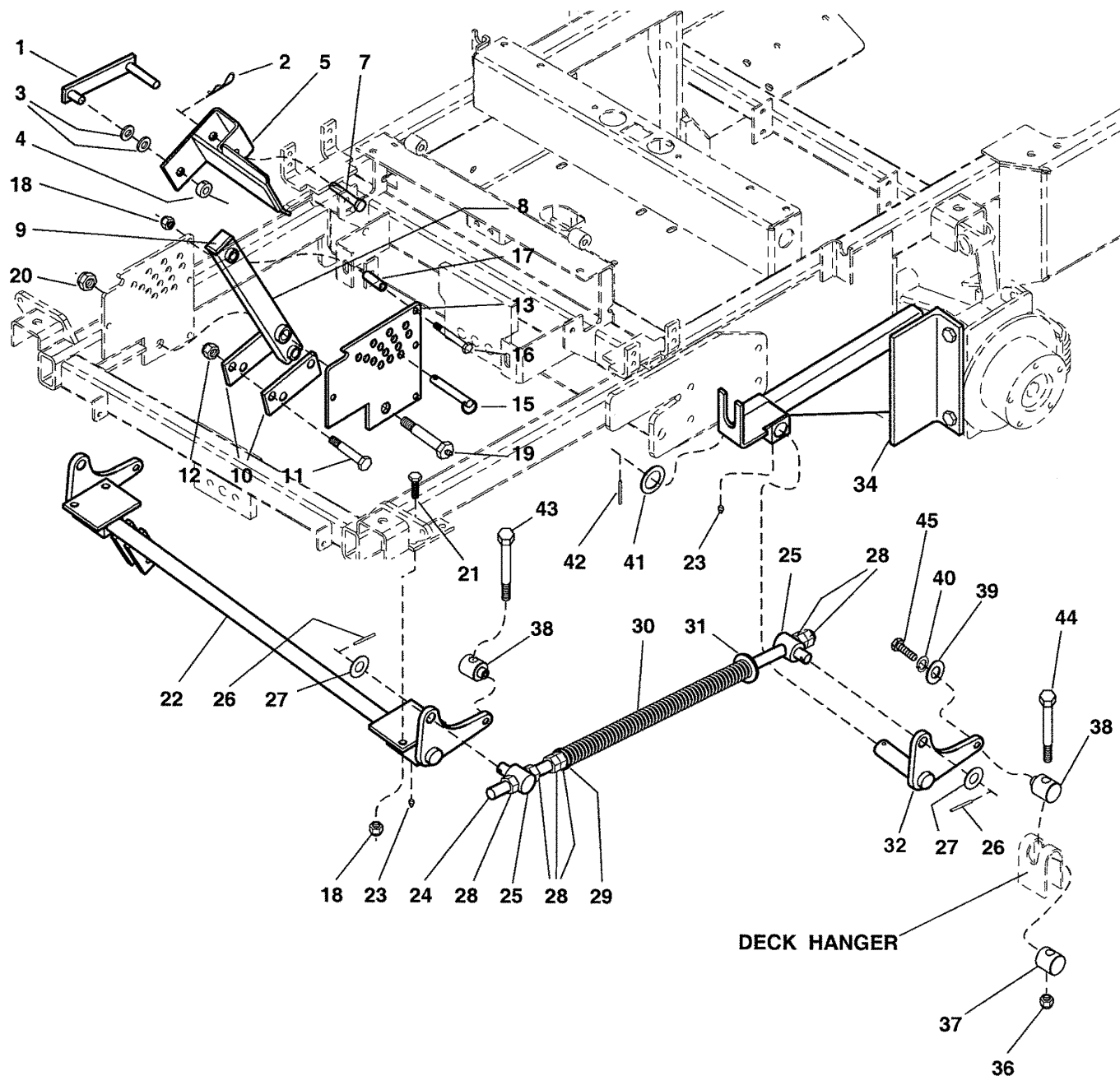
The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Deck Lift Group

267DLT0

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Deck Lift Group

REF NO.	PART NO.	QTY.	DESCRIPTION
42	5025516	2	PIN, Roll, 3/16 x 1-1/2
43	5025017X68	2	BOLT, 1/2-20 x 8-1/2
44	5025017X52	2	BOLT, 1/2-20 x 6-1/2
45	5025012X6	4	BOLT, 5/16-24 x 3/4

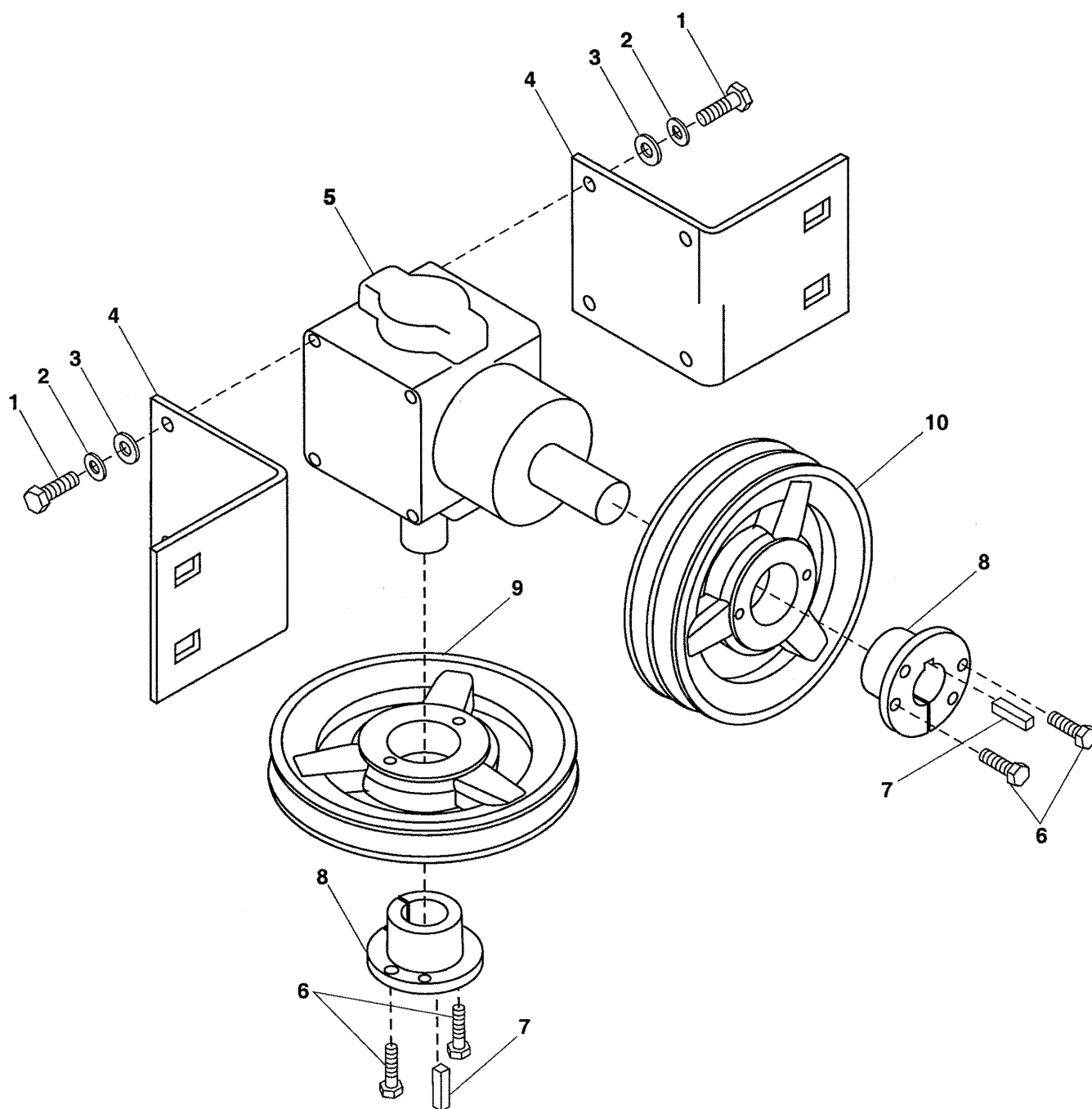
Footnotes

The above parts group applies to the following Mfg. Nos.:
IS4000Z/K25

Gear Box Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

267GBX0



The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Gear Box Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5025011X8	8	BOLT, 5/16-18 x 1
2	5025170	8	WASHER, Lock, 5/16
3	5025155	8	WASHER, 5/16
4	5045775	2	GEAR BOX BRACKET
5	5022378	1	GEAR BOX
6	5025010X8	4	BOLT, 1/4-20 x 1
7	5050407X1	2	KEY, 1/4 x 2
8	5020819	2	TAPERED LOCK HUB
9	5020815	1	PULLEY, Spindle
10	5022384	1	PULLEY, Gear Box

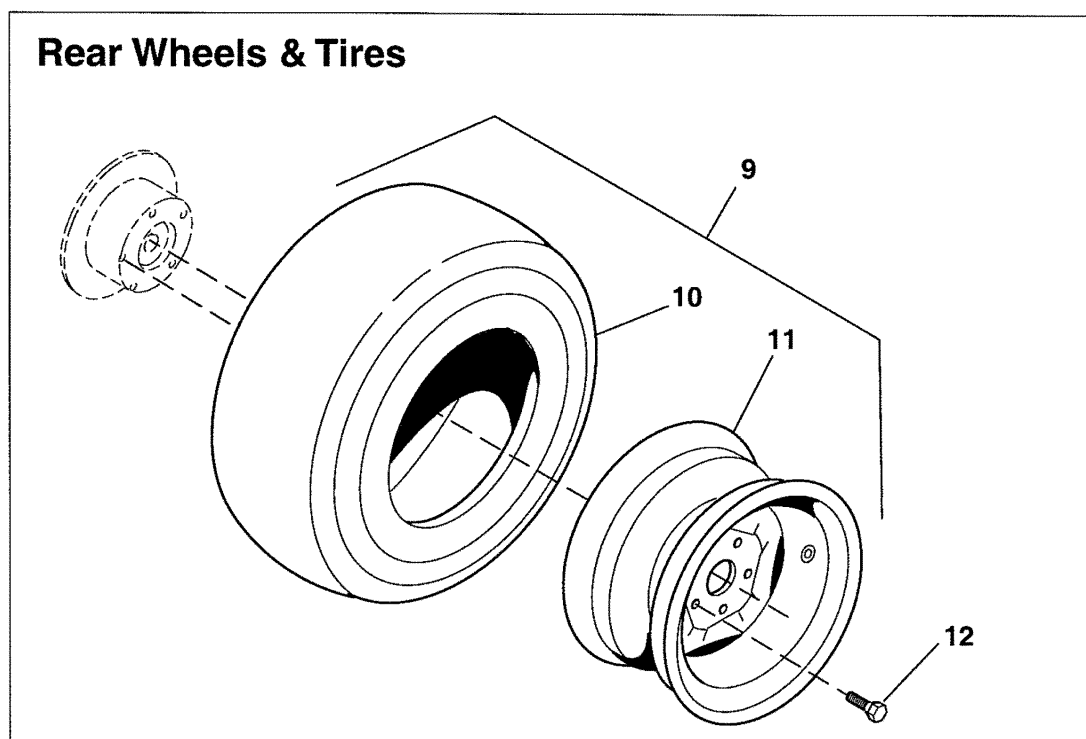
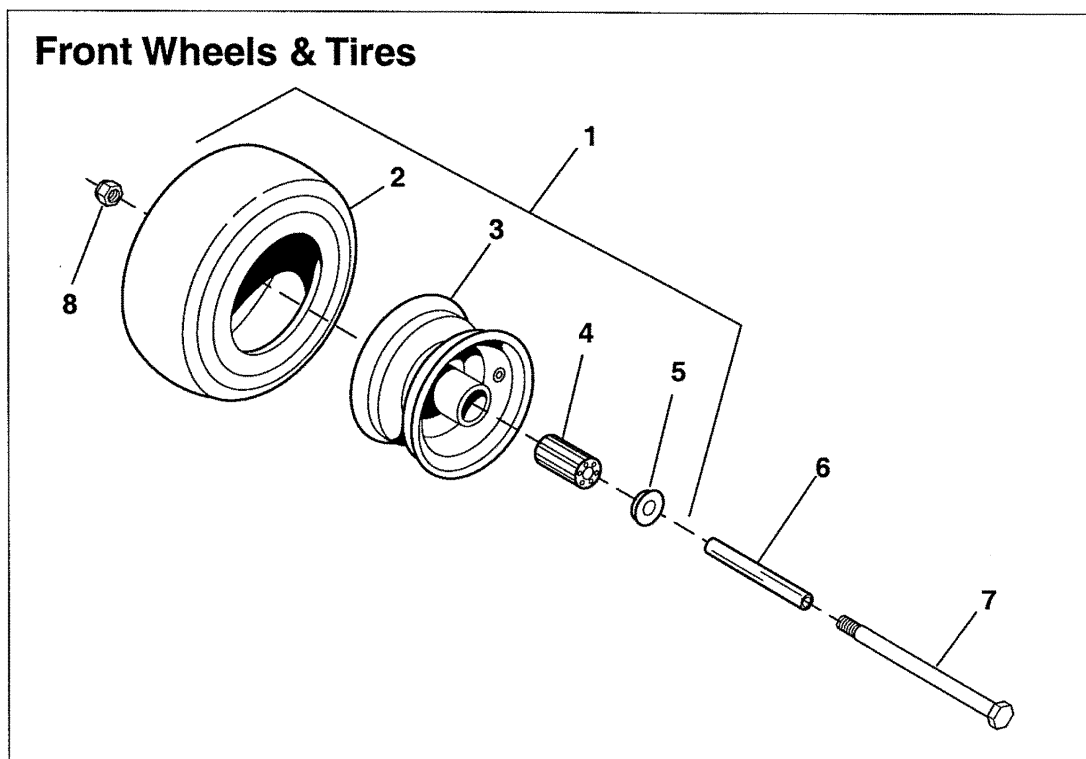
Footnotes

The above parts group applies to the following Mfg. Nos.:
IS4000Z/K25

Wheels & Tires Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

267WHL0



The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Wheels & Tires Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5022371	2	WHEEL & TIRE ASSEMBLY, Front, 13 x 6.5 x 6, Complete (Includes Ref 2 thru 5)
2	5022577	2	TIRE, Front, 13 x 6.5 x 6
3	5022578	2	WHEEL ASSEMBLY, Front, for 13 x 6.5 x 6 Tires, Complete (Includes Ref 4 & 5)
4	5022579	4	BEARING, Roller (2 per tire)
5	5022580	4	RETAINER, Bearing (2 per tire)
6	5022581	2	AXLE, Front Caster
7	5025017X68	2	BOLT, 1-2/13 x 8-1/2
8	5025056	2	NUT, Hex, Nylon Lock, 1-2/13
9	5022372	2	WHEEL & TIRE ASSEMBLY, Rear, 24 x 12 x 12, Complete (Includes Ref 10 & 11)
10	5022582	2	TIRE, Rear, 24 x 12 x 12
11	5022583	2	WHEEL ASSEMBLY, Rear, for 24 x 12 x 12 Tires
12	5022215	10	WHEEL LUG, 1/2 x 1-5/8

Footnotes

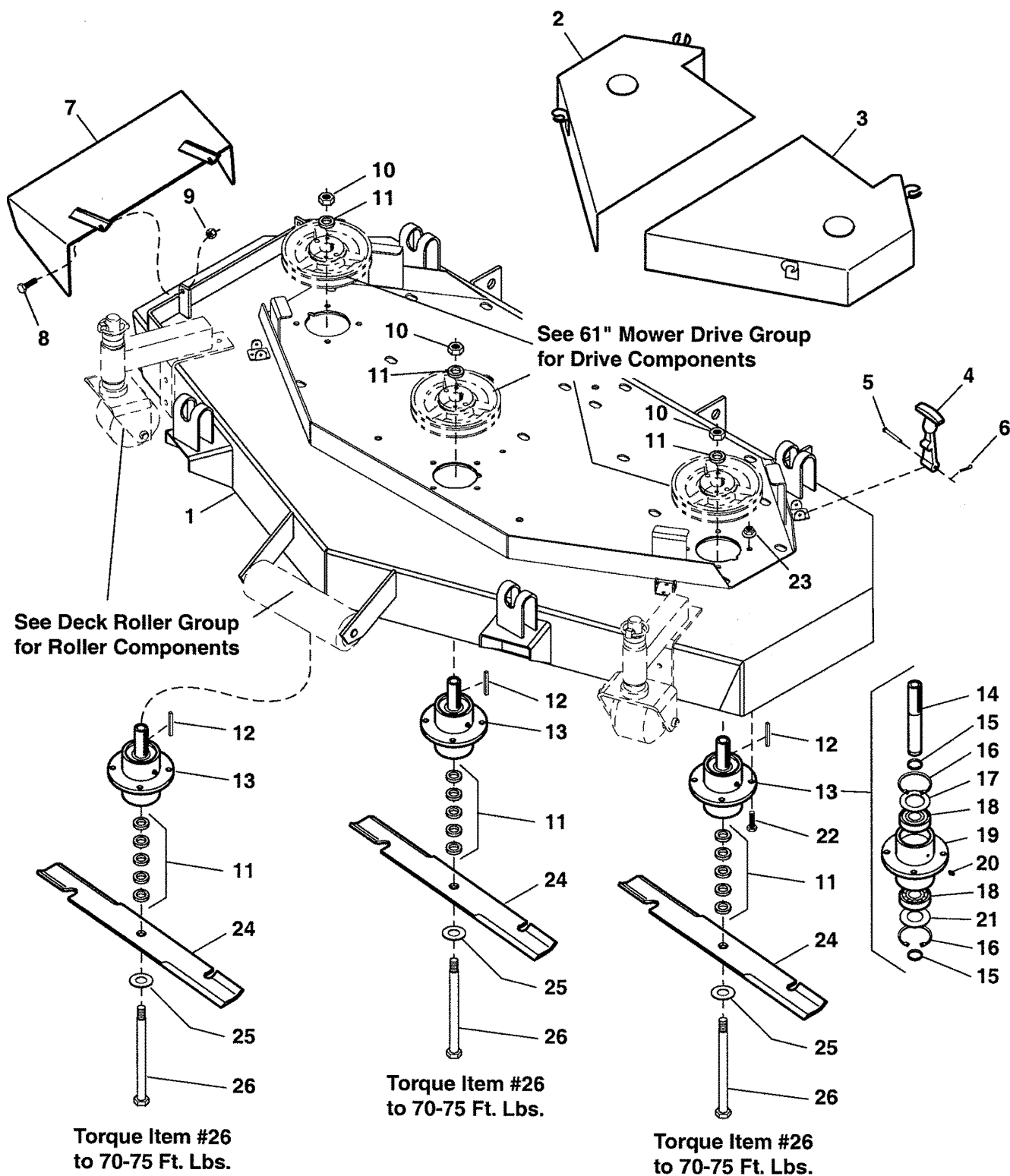
The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

61" Mower Housing, Cover, Spindle & Blade Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

2676HC0



The above parts group applies to the following Mfg. Nos.:
IS4000Z/K25

61" Mower Housing, Cover, Spindle & Blade Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5045801	1	61" MOWER HOUSING
2	5045253	1	SPINDLE COVER-RH
3	5045252	1	SPINDLE COVER-LH
4	5020841X1	4	RUBBER LATCH
5	5020841X4	4	CLEVIS PIN
6	5020841X5	4	COTTER PIN
7	5041668	1	DISCHARGE CHUTE
8	5025011X8	2	BOLT, 5/16-18 x 1
9	5025057	2	NUT, Hex, Nylon Lock, 5/16-18
10	5025040	3	NUT, Hex, 5/8-11
11	5041477	18	SPACER, Blade
12	5050407X9	3	KEY, 1/4 x 2-1/2
13	5030301	3	SPINDLE ASSEMBLY, Complete (includes Ref 14-21)
14	5041480	3	SPINDLE SHAFT
15	5020864	6	SNAP RING, External
16	5020866	6	SNAP RING, Internal
17	5041653	3	SPINDLE WASHER, Top
18	5020828	6	BEARING
19	5030293	3	SPINDLE HOUSING
20	5020095	3	GREASE FITTING
21	5041672	3	SPINDLE WASHER, Bottom
22	5025011X10	12	BOLT, 5/16-18 x 1-1/4
23	5025139	12	NUT, Hex, Serrated Flange, 5/16-18
24	5020842	3	MOWER BLADE
25	5025159	3	WASHER, USS, 5/8
26	5025019X76	3	BOLT, 5/8-11 x 9-1/2

Footnotes

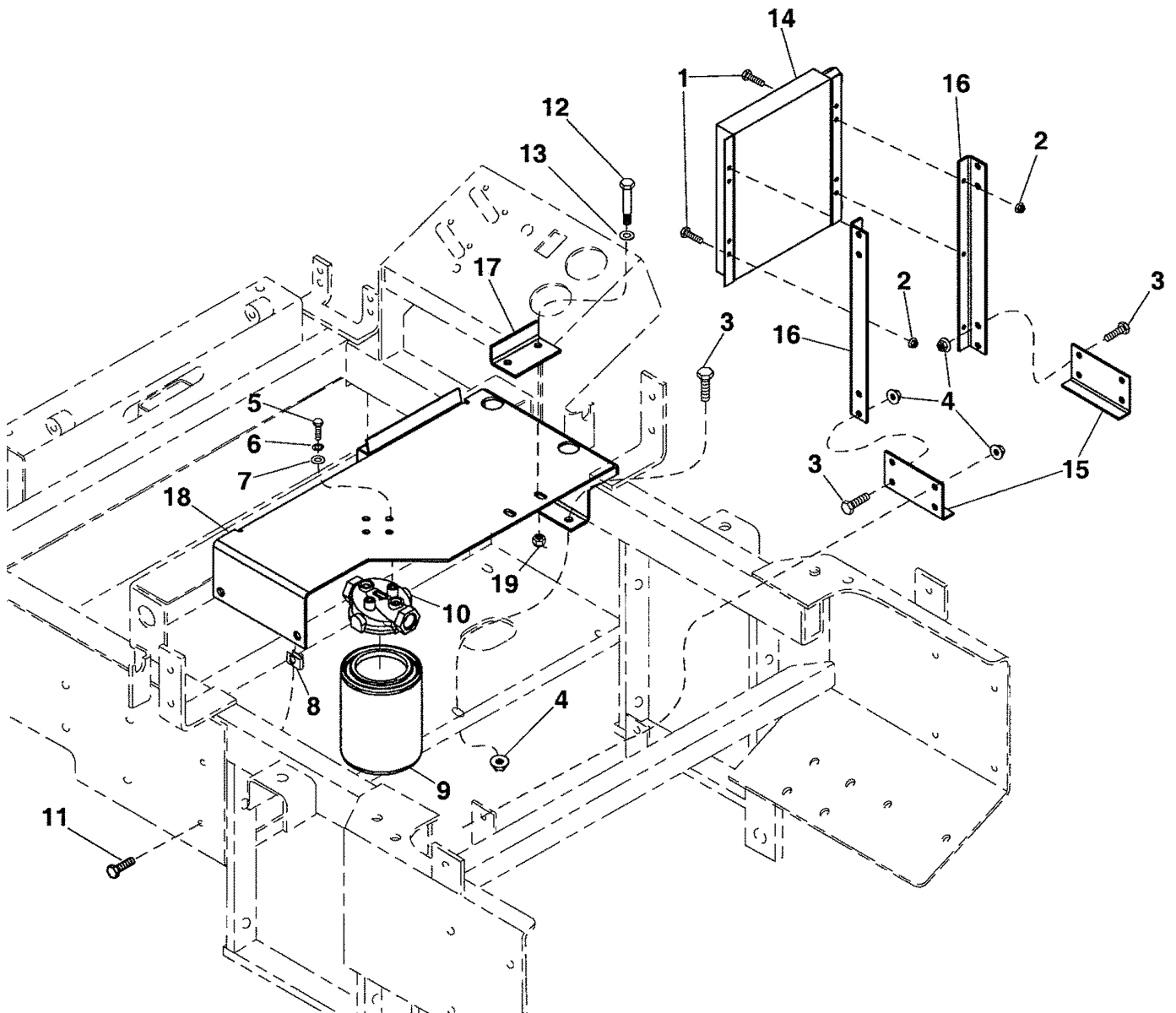
The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Battery Tray & Oil Cooler Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

267CLR0



The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Battery Tray & Oil Cooler Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5025010X5	4	BOLT, 1/4-20 x 5/8
2	5025126	4	NUT, Hex, Serrated Flange, 1/4-20
3	5025013X6	10	BOLT, 3/8-16 x 3/4
4	5025128	10	NUT, Hex, Serrated Flange, 3/8-16
5	5025010X6	2	BOLT, 1/4-20 x 3/4
6	5025169	2	WASHER, Lock, 1/4
7	5025154	2	WASHER, 1/4
8	5022308	2	BODY CLIP, 5/16-18
9	-	1	FILTER
10	-	1	FILTER HEAD
11	5025011X8	2	BOLT, 5/16-18 x 1
12	5025011X12	2	BOLT, 5/16-18 x 1-1/2
13	5025155	2	WASHER, 5/16
14	5022377	1	HYDRAULIC OIL COOLER
15	5045794	2	COOLER BRACKET, Short
16	5045795	2	COOLER BRACKET, Long
17	5046275	1	HOLD DOWN BRACKET
18	5046276	1	BATTERY TRAY
19	5025057	2	NUT, Hex, Nylon Locking, 5/16-18

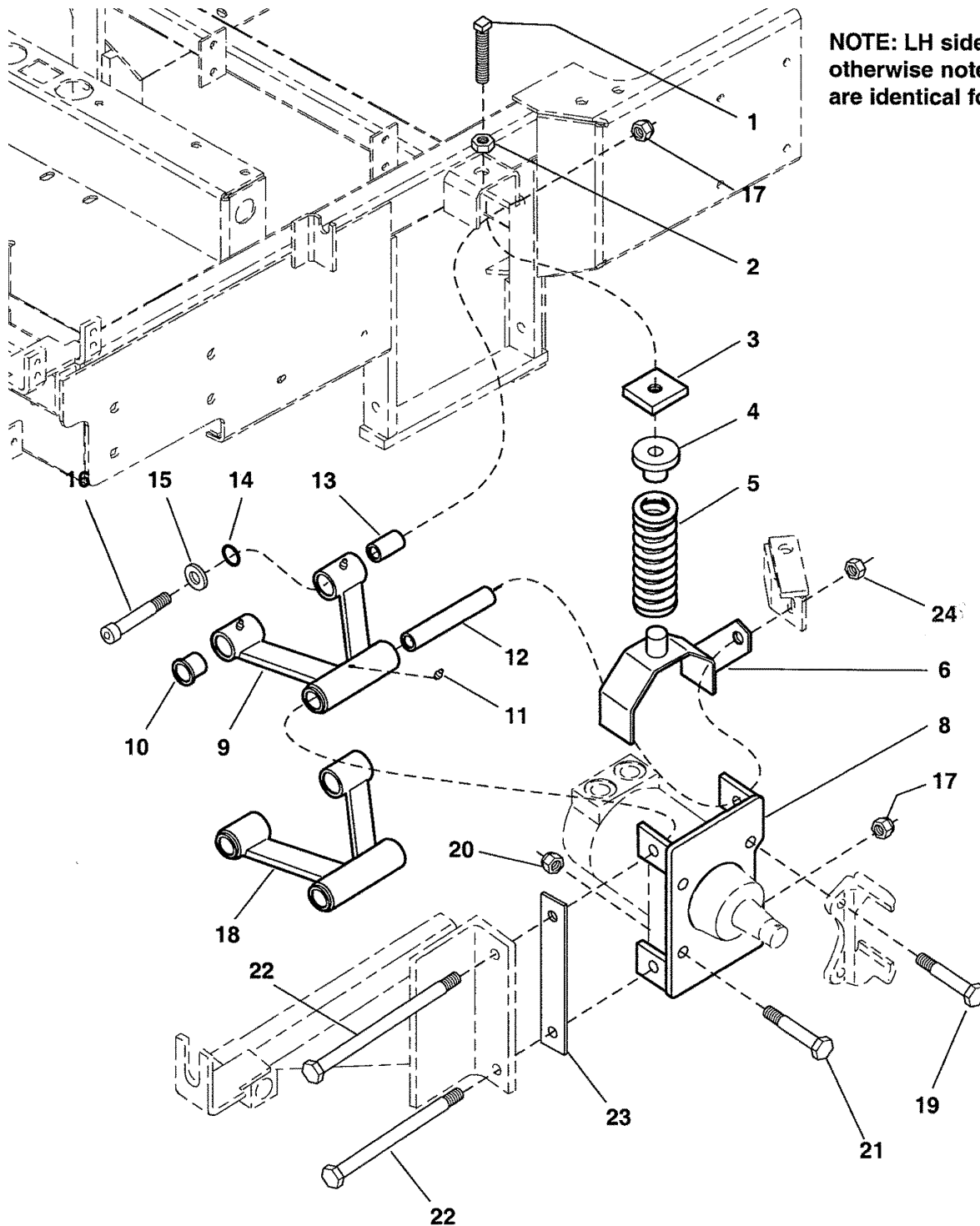
Footnotes

The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

NOTE: LH side shown. Unless otherwise noted, components are identical for the RH side.



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Suspension Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5025294	2	SET SCREW, Square Hd, 1/2-13 x 3
2	5025301	2	NUT, Hex, Jam, 1/2-13
3	5045904	2	SPRING COMPRESSION PLATE
4	5045898	2	SPRING RETAINER
5	5021747	2	SPRING, Suspension
6	5045601	1	SPRING SADDLE-LH
7	5045602	1	SPRING SADDLE-RH (not shown)
8	5045588	2	WHEEL MOTOR MOUNT
9	5045304	2	SUSPENSION A-ARM, Upper
10	5022250	16	BUSHING, Flange
11	5020095	12	GREASE FITTING
12	5045305	4	PIVOT SLEEVE, Long
13	5045306	8	PIVOT SLEEVE, Short
14	5022269	8	O-RING
15	5045307	8	WASHER, A-Arm
16	5025294	8	CAPSCREW, Allen Head, 1/2-13 x 3
17	5025056	10	NUT, Hex, Nylon Lock, 1/2-13
18	5045308	2	SUSPENSION A-ARM, Lower
19	5025018X24	4	BOLT, 1/2-20 x 3
20	5025098	8	NUT, Hex, Nylon Lock, 1/2-20
21	5025018X20	4	BOLT, 1/2-20 x 2-1/2
22	5025017X52	4	BOLT, 1/2-13 x 6-1/2
23	5046059	2	SPACER PLATE
24	5025314	2	NUT, Hex, Side Locking, 1/2-13

Footnotes

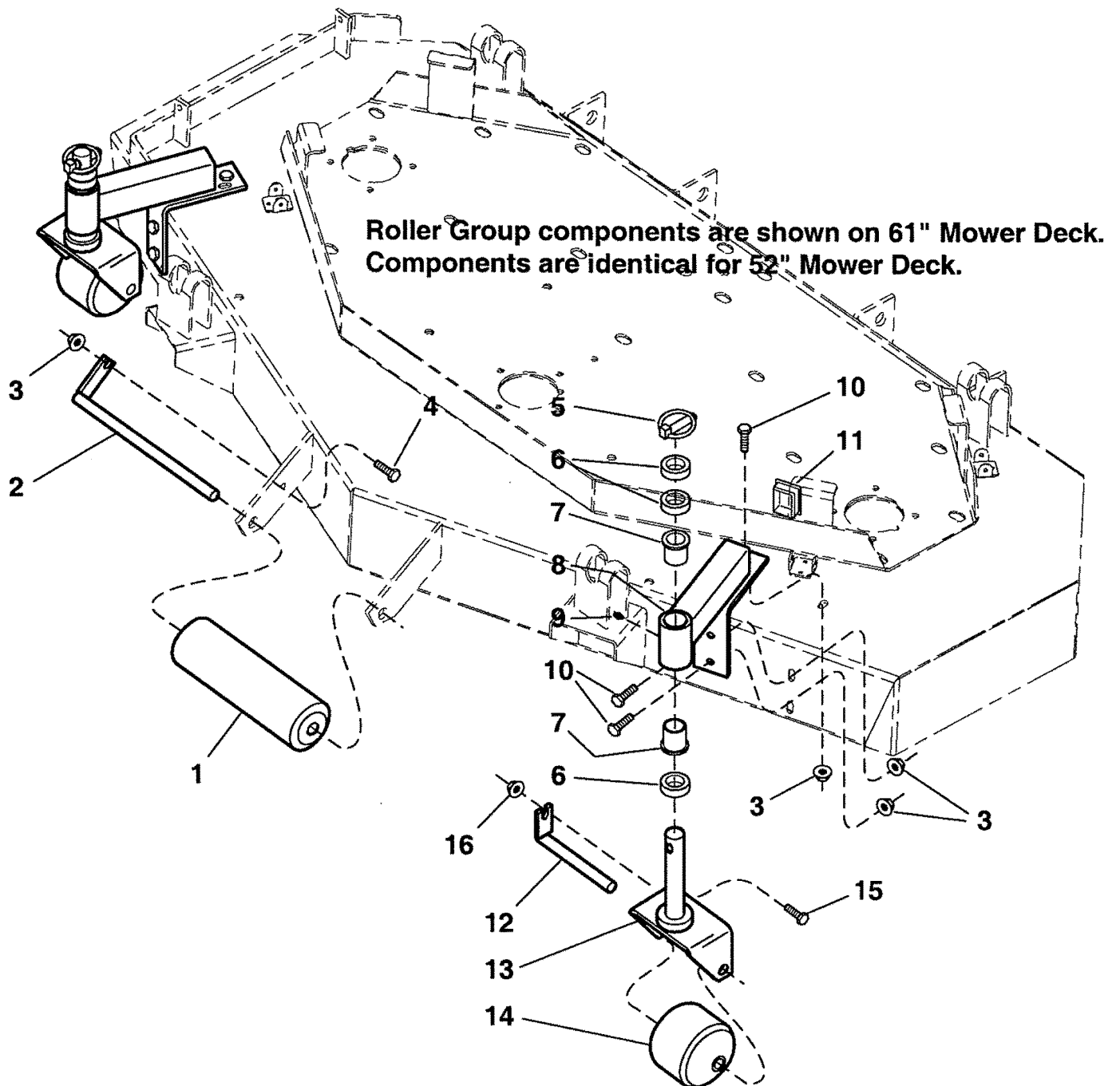
The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

61" Mower Deck Roller Group

2675RL0

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:
IS4000Z/K25

61" Mower Deck Roller Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5020785	1	ROLLER, Nose
2	5041655	1	ROLLER PIN
3	5025128	7	NUT, Hex, Serrated Flange, 3/8-16
4	5025013X8	1	BOLT, 3/8-16 x 1
5	5020655	2	LYNCH PIN
6	5041476	6	SPACER, Caster
7	5021541	4	BUSHING, Flange
8	5045185	2	CASTER MOUNT ARM
9	5020095	2	GREASE FITTING
10	5025013X6	6	BOLT, 3/8-16 x 3/4
11	5022098	2	CAP, Plastic
12	5045034	2	CASTER ROLLER PIN
13	5045188	2	CASTER YOKE
14	5022060	2	ROLLER, Caster
15	5025011X6	2	BOLT, 5/16-18 x 3/4
16	5025127	2	NUT, Hex, Serrated Flange, 5/16-18

Footnotes

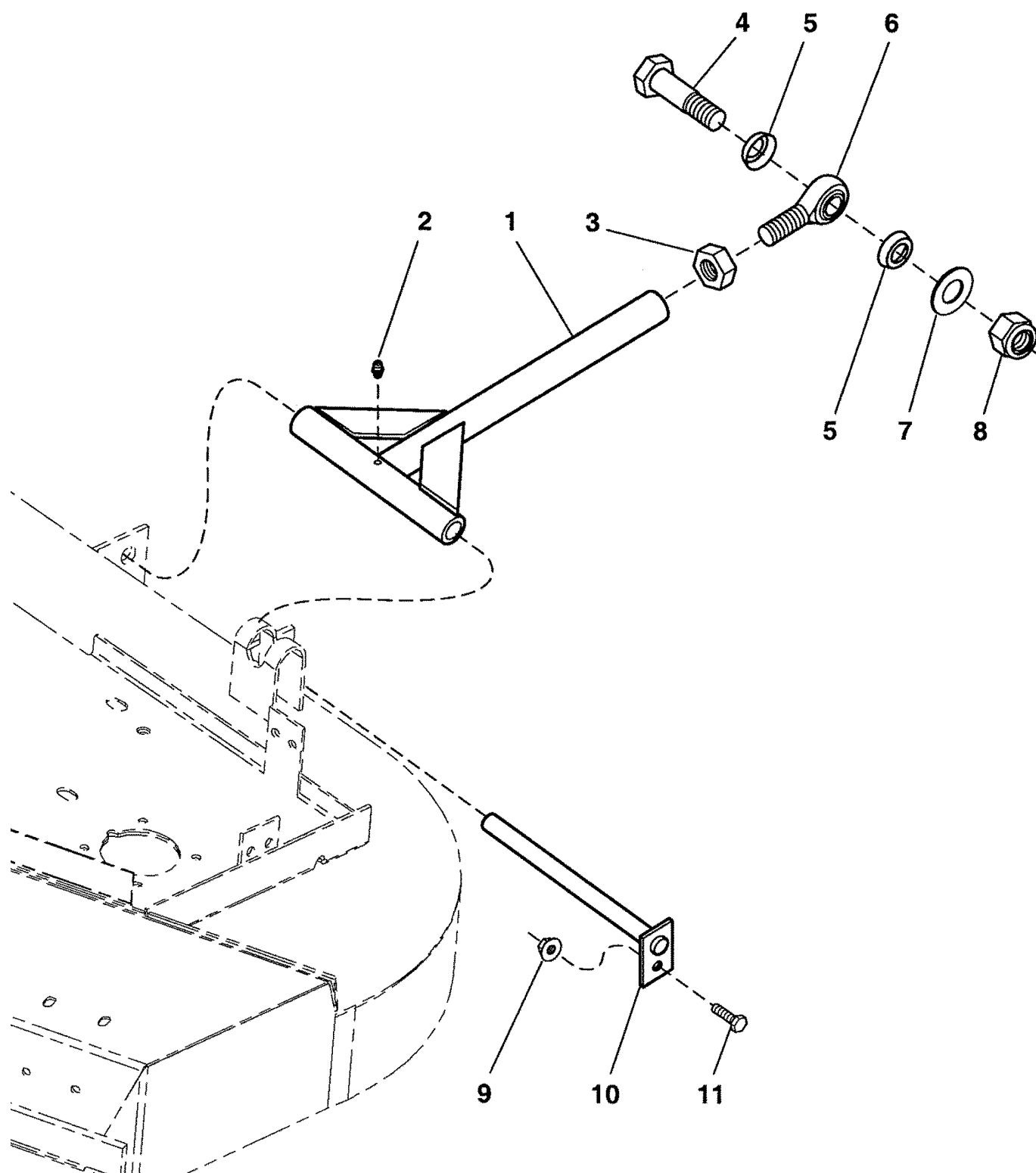
The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

61" Mower Rear Mount Group

2676RM0

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Mfg. Nos.:
IS4000Z/K25

61" Mower Rear Mount Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5045103	2	DECK PUSHER BAR
2	5020095	2	GREASE FITTING
3	5025093	2	NUT, Hex, Jam, 3/4-16
4	5025265X24	2	BOLT, 3/4-16 x 3
5	5022111	4	ROD END SEAL
6	5022039	2	BALL JOINT, 3/4-16
7	5025160	2	WASHER, 3/4
8	5025284	2	NUT, Hex, Nylon Lock, 3/4-16
9	5025139	2	NUT, Hex, Serrated Flange, 5/16-18
10	5045037	2	PUSHER BAR MOUNT PIN
11	5025011X8	2	BOLT, 5/16-18 x 1

Footnotes

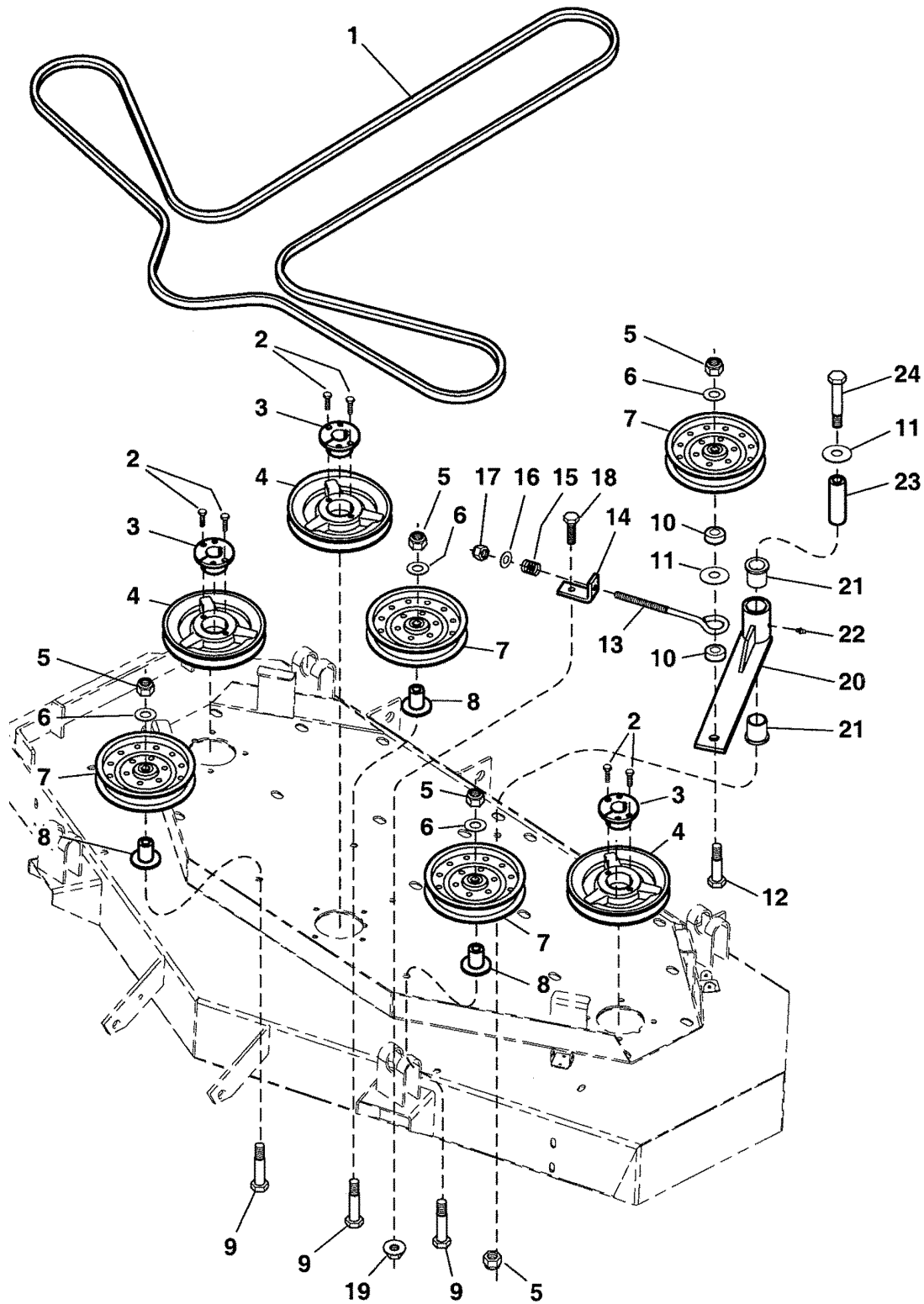
The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

61" Mower Drive Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

2676PB0



The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

61" Mower Drive Group

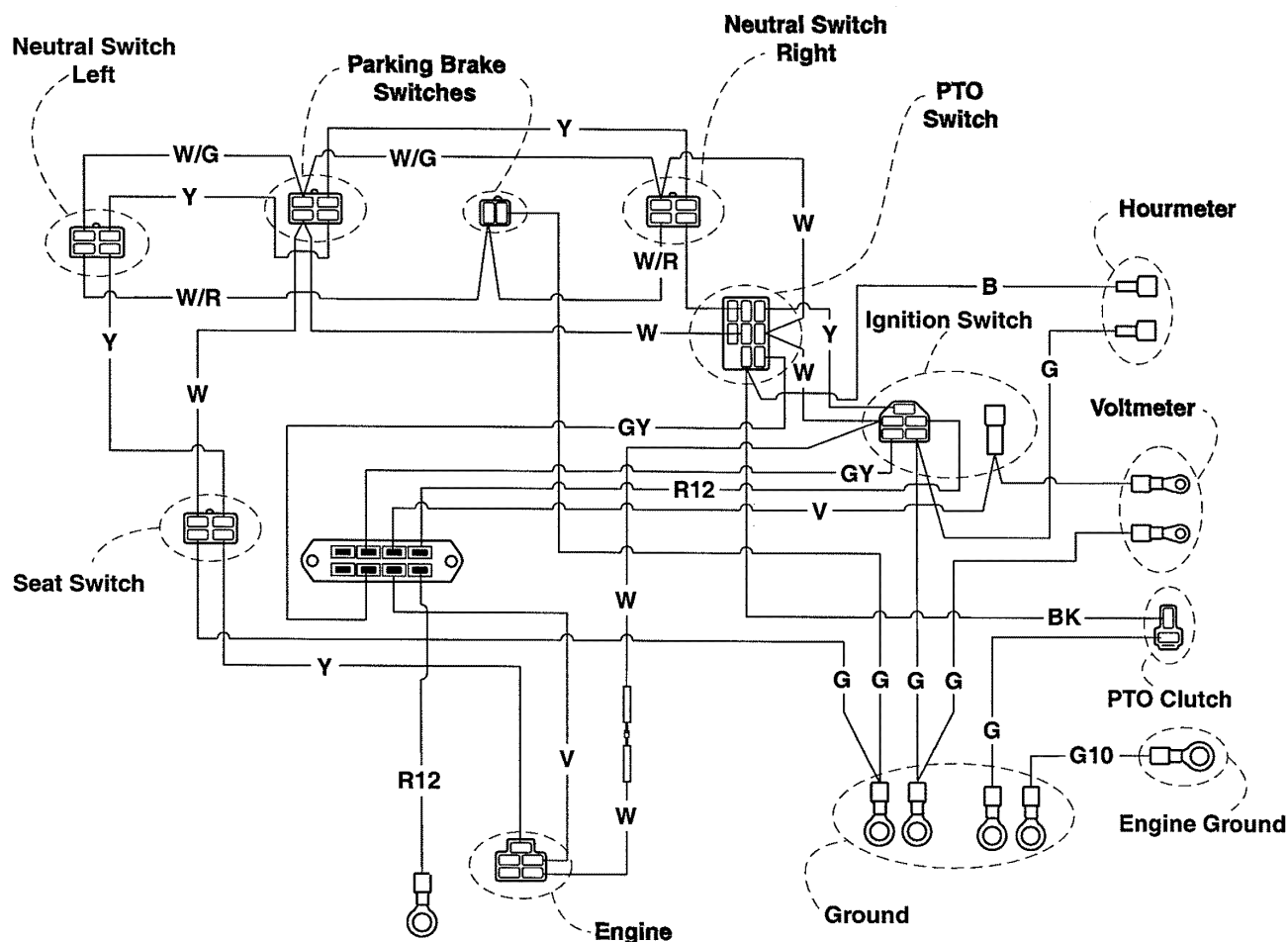
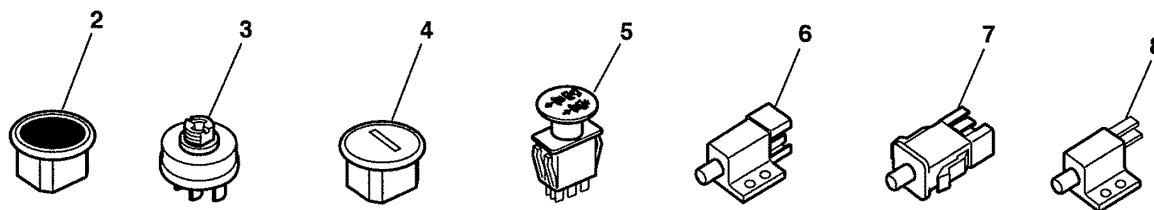
REF NO.	PART NO.	QTY.	DESCRIPTION
1	5022399	1	BELT, 61" Deck
2	5025010X8	6	BOLT, 1/4-20 x 1
3	5020819	3	HUB, Taper Lock
4	5020815	3	PULLEY, Spindle
5	5025056	5	NUT, Hex, Nylon Lock, 1/2-13
6	5025158	4	WASHER, 1/2
7	5021976	4	PULLEY, Idler
8	5045024	3	IDLER PULLEY MOUNT
9	5025017X28	3	BOLT, 1/2-13 x 3-1/2
10	5045023	2	IDLER SPACER
11	5025150	2	WASHER, USS, 1/2
12	5025017X24	1	BOLT, 1/2-13 x 3
13	5021811	1	EYEBOLT
14	5042142	1	SPRING ANCHOR
15	5021680	1	SPRING, Compression
16	5025156	1	WASHER, 3/8
17	5025096	1	NUT, Hex, Nylon Lock, 3/8-16
18	5025013X8	1	BOLT, 3/8-16 x 1
19	5025128	1	NUT, Hex, Serrated Flange, 3/8-16
20	5045019	1	IDLER ARM
21	5021541	2	BUSHING, Flange
22	5020095	1	GREASE FITTING
23	5045022	1	IDLER ARM PIVOT SHAFT
24	5025017X36	1	BOLT, 1/2-13 x 4-1/2

Footnotes

The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



LEGEND

W - White
BK - Black
GN - Green
BL - Blue
W/GN - White w/ Green Stripe
W/R - White w/ Red Stripe
R12 - 12ga. Red
Y - Yellow
GY - Gray
V - Violet

NOTE: Unless otherwise noted, all wire is 14ga. stranded.

The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Electrical Group Kohler

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5045807	1	IS4000Z/K25 Wire Harness
2	5022387	1	VOLTMETER
3	5020927	1	SWITCH, Ignition
4	5020060	1	HOUR METER
5	5022180	1	SWITCH, PTO
6	5022095	3	SWITCH, Plunger, NO/NC
7	5022182	1	SWITCH, Plunger, Snap-In, NO/NC
8	5021451	1	SWITCH, Plunger, NO
9	5045759	1	CABLE, Negative (-) Battery (not shown)
10	5045758	1	CABLE, Positive (+) Battery (not shown)
11	5021603	4	FUSE, 20A (not shown)

Footnotes

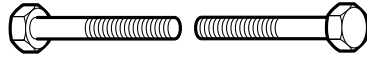
The above parts group applies to the following Mfg. Nos.:

IS4000Z/K25

Hardware Identification & Torque Specifications

Common Hardware Types

Hex Head Capscrew



Carriage Bolt



Washer



Lockwasher



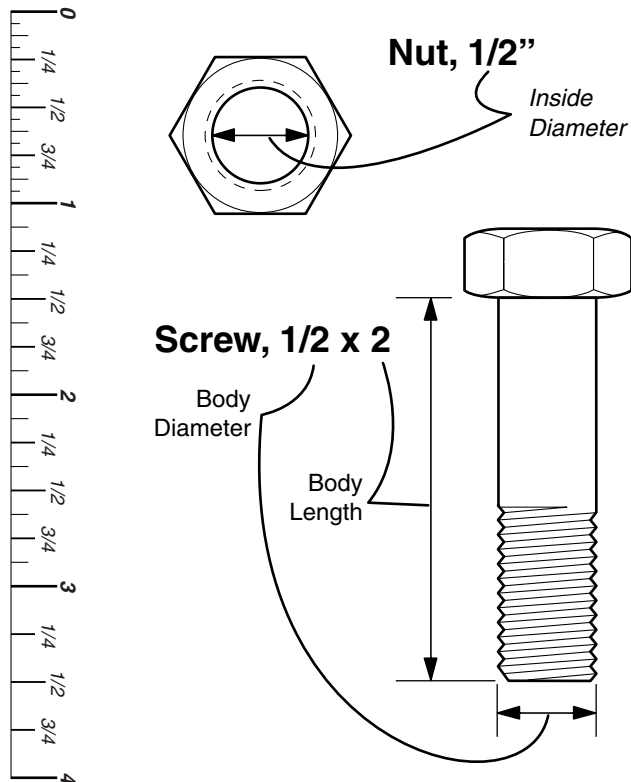
Hex Nut

Standard Hardware Sizing

When a washer or nut is identified as **1/2"**, this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch; if a second number is present it represents the *threads per inch*

When bolt or capscrew is identified as **1/2 - 16 x 2"**, this means the *Nominal size*, or *body diameter* is 1/2 inch; the second number represents the *threads per inch* (16 in this example, and the final number is the *body length* of the bolt or screw (in this example 2 inches long).

The guides and ruler furnished below are designed to help you select the appropriate hardware and tools.



Torque Specification Chart

FOR STANDARD MACHINE HARDWARE (Tolerance $\pm 20\%$)

Hardware Grade	No Marks SAE Grade 2		SAE Grade 5		SAE Grade 8	
	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
8-32	19	2.1	30	3.4	41	4.6
8-36	20	2.3	31	3.5	43	4.9
10-24	27	3.1	43	4.9	60	6.8
10-32	31	3.5	49	5.5	68	7.7
1/4-20	66	7.6	8	10.9	12	16.3
1/4-28	76	8.6	10	13.6	14	19.0
5/16-18	11	15.0	17	23.1	25	34.0
5/16-24	12	16.3	19	25.8	27	34.0
3/8-16	20	27.2	30	40.8	45	61.2
3/8-24	23	31.3	35	47.6	50	68.0
7/16-14	30	40.8	50	68.0	70	95.2
7/16-20	35	47.6	55	74.8	80	108.8
1/2-13	50	68.0	75	102.0	110	149.6
1/2-20	55	74.8	90	122.4	120	163.2
9/16-12	65	88.4	110	149.6	150	204.0
9/16-18	75	102.0	120	163.2	170	231.2
5/8-11	90	122.4	150	204.0	220	299.2
5/8-18	100	136	180	244.8	240	326.4
3/4-10	160	217.6	260	353.6	386	525.0
3/4-16	180	244.8	300	408.0	420	571.2
7/8-9	140	190.4	400	544.0	600	816.0
7/8-14	155	210.8	440	598.4	660	897.6
1-8	220	299.2	580	788.8	900	1,244.0
1-12	240	326.4	640	870.4	1,000	1,360.0

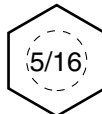
NOTES

- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
 - for prevailing torque locknuts - use 65% of grade 5 torques.
 - for flange whizlock nuts and screws - use 135% of grade 5 torques.
- Unless otherwise noted on assembly drawings, all torque values must meet this specification.

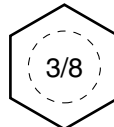
Wrench & Fastener Size Guide



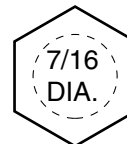
1/4" Bolt or Nut
Wrench—7/16"



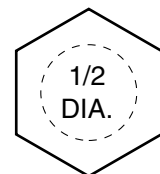
5/16" Bolt or Nut
Wrench—1/2"



3/8" Bolt or Nut
Wrench—9/16"



7/16" Bolt or Nut
Wrench (Bolt)—5/8"
Wrench (Nut)—11/16"



1/2" Bolt or Nut
Wrench—3/4"

Parts Manual IS4000Z Series

Zero-Turn Riding Mower

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Ferris Industries

5375 North Main Street
Munnsville, NY 13409 USA
800-933-6175

www.ferrisindustries.com

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