



Parts Manual

Mfg. No: 1693504

Landlord DLX, 17HP LC Hydro TRACTOR
ONLY

1693379 - Landlord DLX, 17HP LC Hydro.

Not For
Reproduction

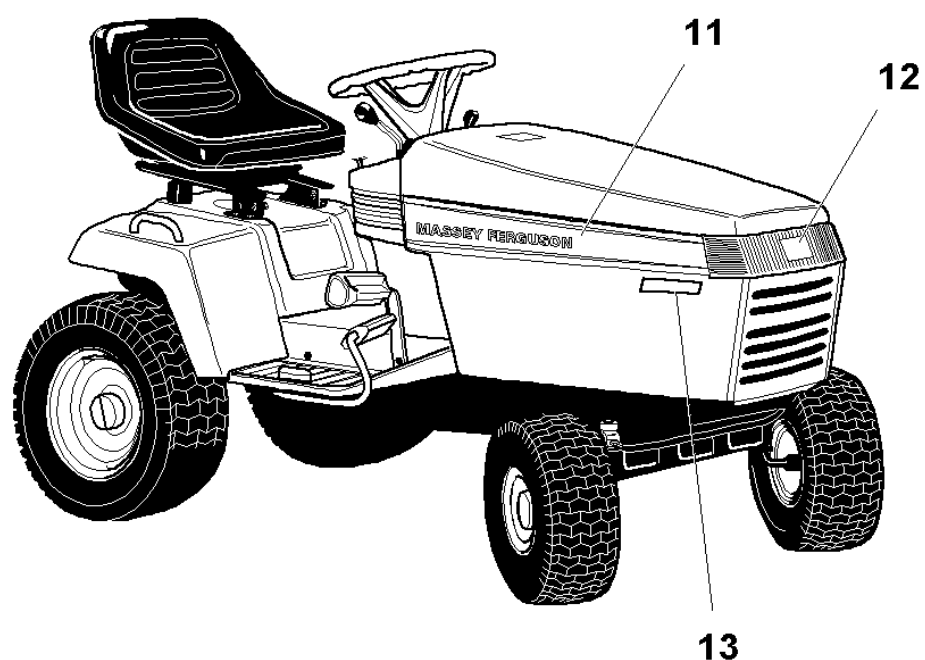
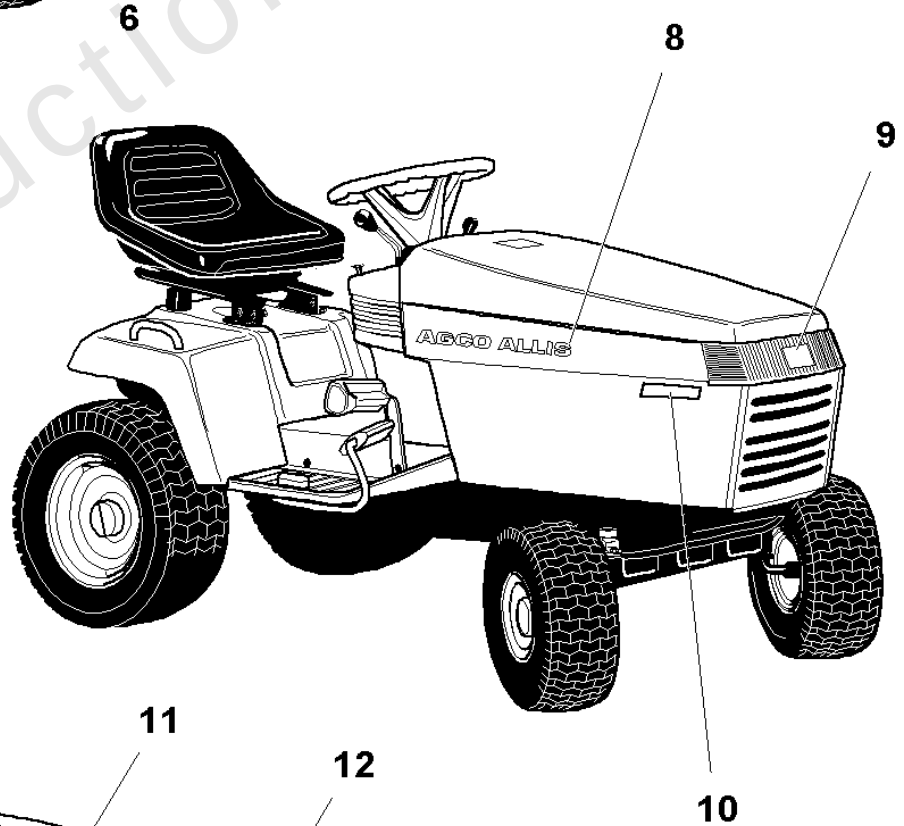
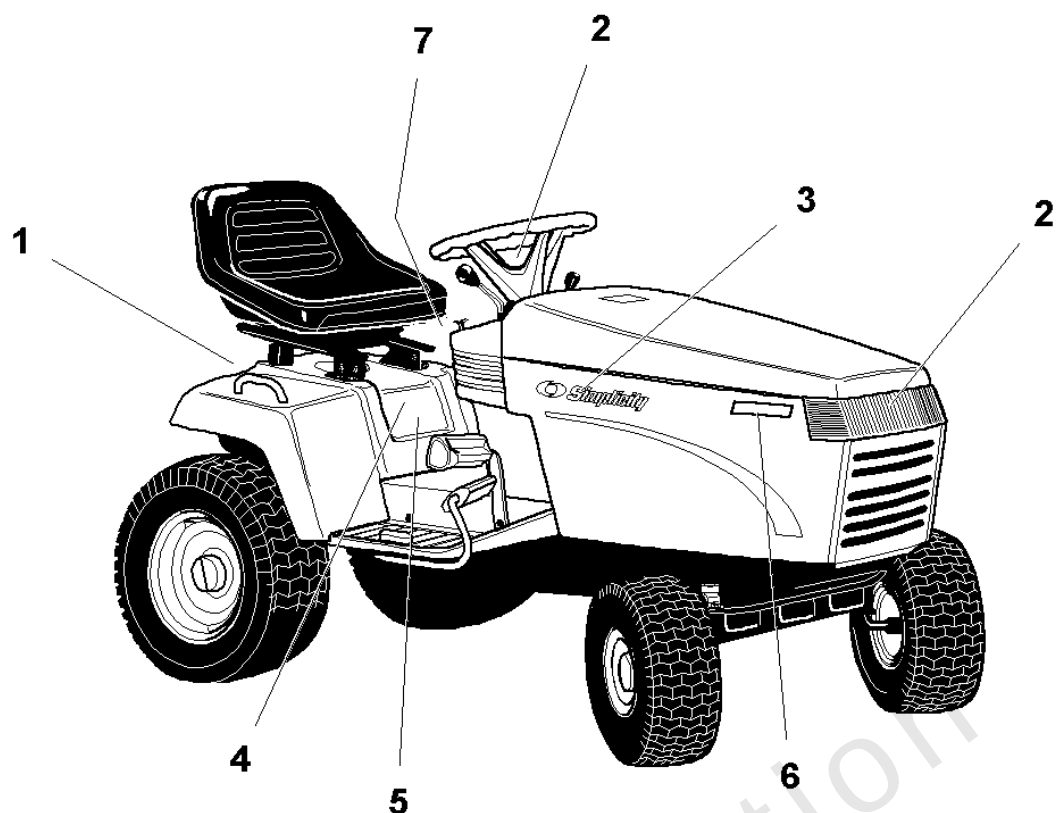
Model Components	Page
Decals Group - Brand & Model.	4
Decals Group - Safety & Common.	6
Electrical Group - 17HP Kawasaki Liquid Cooled.	8
Engine Group - Electric Clutch - 17HP Kawasaki Liquid Cooled.	10
Foot Controls Group.	12
Frame & Front Axle Group.	16
Hood, Grille & Dash Group - 17HP Kawasaki Liquid Cooled Models.	18
Hydraulics Group.	20
Lift Mechanism Group - Hydraulic.	22
Seat & Seat Deck Group.	24
Steering Group - Manual Steering.	26
Transmission Group.	28
Transmission SERVICE PARTS - Tuff Torq K71G (1719722).	32
Wheels & Tires Group.	38
Torque Specification Chart.	40

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Decals Group - Brand & Model

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693504



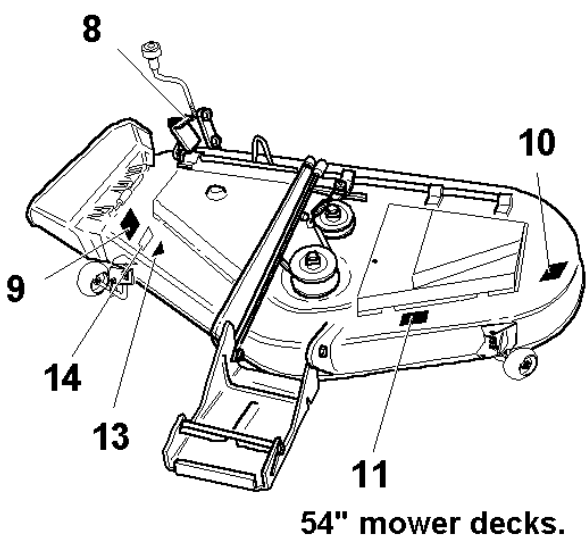
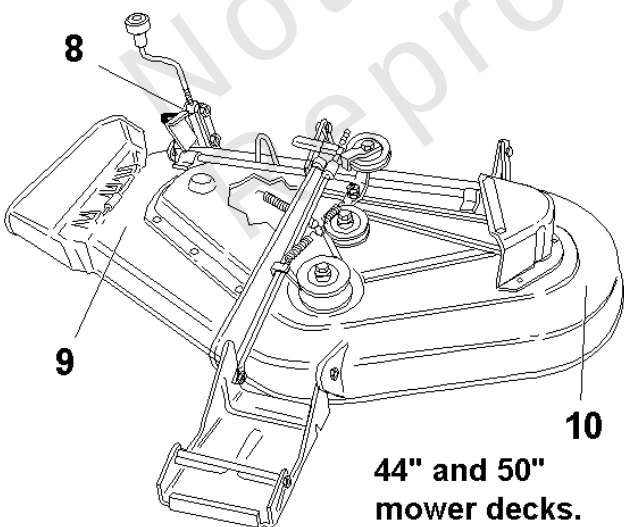
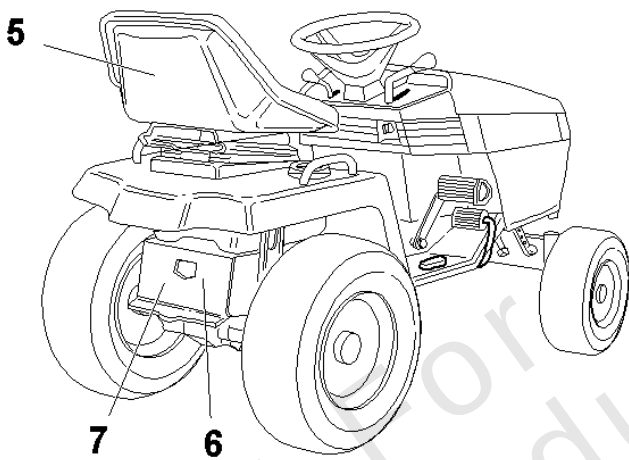
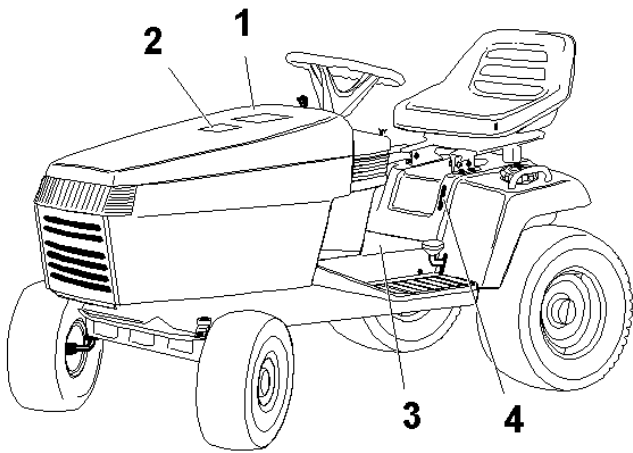
Decals Group - Brand & Model

REF NO	PART NO	QTY	DESCRIPTION
1	1722551SM	1	DECAL, Simplicity Logo with Icon
2	1717692SM	2	DECAL, Simplicity Icon
3	1719755SM	1	DECAL, Simplicity Hood, LH
3	1719756SM	1	DECAL, Simplicity Hood, RH
4	1719771SM	1	DECAL, Simplicity Model, Landlord DLX
5	1717705	1	DECAL, Liquid Cooled (Simplicity Orange/Gray Models)
5	1722779SM	1	DECAL, Simplicity - 18HP V-Twin
5	1717714SM	1	DECAL, Simplicity - 20HP V-Twin
6	1716518SM	1	DECAL, Power Steering
7	1717313SM	2	DECAL, Controlled Traction, Simplicity
8	1708799SM	1	DECAL, AGCO-Allis Hood, LH - 1718
8	1708800SM	1	DECAL, AGCO-Allis Hood, RH - 1718
8	1716562SM	1	DECAL, AGCO-Allis Hood, LH - 1717LC
8	1716563SM	1	DECAL, AGCO-Allis Hood, RH - 1717LC
8	1719757	1	DECAL, AGCO-Allis Hood, LH - 1720
8	1719758	1	DECAL, AGCO-Allis Hood, RH - 1720
9	1708926SM	2	DECAL, AGCO-Allis Logo
10	1716518SM	1	DECAL, "Power Steering"
11	1714376SM	1	DECAL, Massey Ferguson Hood, RH - 2718
11	1714377SM	1	DECAL, Massey Ferguson Hood, LH - 2718
11	1716564	1	DECAL, Massey Ferguson Hood, RH - 2717LC
11	1716565	1	DECAL, Massey Ferguson Hood, LH - 2717LC
11	1719759	1	DECAL, Massey Ferguson Hood, LH - 2720
11	1719760	1	DECAL, Massey Ferguson Hood, RH - 2720
12	1714363SM	2	DECAL, Massey Ferguson Logo
13	1716518SM	1	DECAL, "Power Steering"

Decals Group - Safety & Common

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693504



1

Orange	1716993
Gray, 1 Qt	1716999
Orange, Spray	1716993
Orange, Touch Up	1716998
Orange	1716998
Gray, 1 Qt	1716999
Orange, Touch Up	1716993

2

LAWN TRACTORS	
Drive Belts & Mower Blades	
Conventional Belt	
Part	Part No.
Drive Belt	1716994
Mower Blade - Left	1716995
Mower Blade - Right	1716996
44" Mower Deck	
Drive Belt	1716994
Mower Blade	1716995
50" Mower Deck	
Drive Belt	1716994
Mower Blade	1716995
54" Mower Deck	
Drive Belt	1716994
Mower Blade	1716995

3

THROTTLE

- Always operate in 1st position.
- Shift up at 15-20 mph.

CHOKER

- Choke is only to be used when starting a cold engine.

IGNITION SWITCH

- Always use the key to start the engine.

DIFFERENTIAL LOCK

- Useful on wet or slippery surfaces.

CRUISE CONTROL

- Useful for long drives on flat ground.

TO OPERATE PTO CLUTCH

- Disengage PTO clutch.
- Push down on the clutch.

BRAKE PEDAL

- Use the brake pedal to stop the tractor.
- Push down on the brake pedal.

GROUND SPEED CONTROL

- Useful for controlling speed on slopes.

CUTTING HEIGHT ADJUST

- Adjust the cutting height to suit the grass.

MOWER LIFT LEVER

- Useful for lifting the mower deck.

ROTATING BLADES CUT OFF ARMS AND LEGS

STOP POWER WHEN HIGH INCREASE WEAR. DO NOT OPERATE WHEN THEY FALL OFF.

OPERATING ON SLOPES CAN BE DANGEROUS

IF YOU CANNOT BACK UP A HILL - DO NOT DRIVE ON IT.

OPERATION

To Start Engine:

- Check the oil level.
- Check the battery.
- Check the air filter.
- Check the spark plug.
- Check the PTO clutch.
- Check the ground speed control.
- Check the cutting height.
- Check the mower lift lever.

To STOP Engine:

- Push down on the brake pedal.
- Turn the ignition switch off.

When Operator Leaves Seat:

- Push down on the brake pedal.
- Turn the ignition switch off.

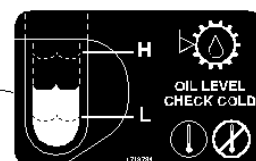
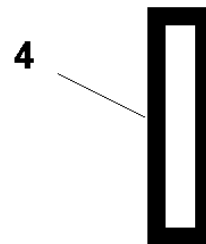
Before Leaving Machine:

- Check the oil level.
- Check the battery.
- Check the air filter.
- Check the spark plug.
- Check the PTO clutch.
- Check the ground speed control.
- Check the cutting height.
- Check the mower lift lever.

WARNING

AVOID SERIOUS INJURY OR DEATH

- Do not operate the tractor on slopes.
- Do not operate the tractor on wet or slippery surfaces.
- Do not operate the tractor on uneven ground.
- Do not operate the tractor on rough terrain.
- Do not operate the tractor on hard surfaces.
- Do not operate the tractor on soft surfaces.
- Do not operate the tractor on steep slopes.
- Do not operate the tractor on steep declines.
- Do not operate the tractor on steep banks.
- Do not operate the tractor on steep ditches.
- Do not operate the tractor on steep embankments.
- Do not operate the tractor on steep gullies.
- Do not operate the tractor on steep ravines.
- Do not operate the tractor on steep valleys.
- Do not operate the tractor on steep hillsides.
- Do not operate the tractor on steep mountainsides.
- Do not operate the tractor on steep cliffs.
- Do not operate the tractor on steep escarpments.
- Do not operate the tractor on steep plateaus.
- Do not operate the tractor on steep mesas.
- Do not operate the tractor on steep buttes.
- Do not operate the tractor on steep spurs.
- Do not operate the tractor on steep ridges.
- Do not operate the tractor on steep crests.
- Do not operate the tractor on steep peaks.
- Do not operate the tractor on steep summits.
- Do not operate the tractor on steep plateaus.
- Do not operate the tractor on steep mesas.
- Do not operate the tractor on steep buttes.
- Do not operate the tractor on steep spurs.
- Do not operate the tractor on steep ridges.
- Do not operate the tractor on steep crests.
- Do not operate the tractor on steep peaks.
- Do not operate the tractor on steep summits.



Decals Group - Safety & Common

REF NO	PART NO	QTY	DESCRIPTION
1	1722000SM	1	DECAL, Belt & Blade
2	1720454SM	1	DECAL, Paint (Simplicity & AGCO Models)
2	1717449	1	DECAL, Paint (Massey Ferguson Models)
3	1719770SM	1	DECAL, Operating Instructions
3	1721855	1	DECAL, Operating Instructions, Manual Lift Tractors
4	1719751	1	DECAL, Fuel Gauge
5	1708927	1	DECAL, USA Logo
6	1719784SM	1	DECAL, Transmission Oil Fill
7	1719635SM	1	DECAL, Hydro Release Valve
8	1721197SM	1	DECAL, Cutting Height Indicator
9	1704277SM	1	DECAL, Danger (Chute In Place)
10	1704276SM	1	DECAL-DANGER DO NOT P
11	-----	1	DECAL, Patent (Not Serviced)
12	-----	1	DECAL, OPEI (Not serviced)
13	-----	1	I.D. Plates (Not serviced)
14	1722791SM	1	DECAL, Cutting Width (54" Mower Decks)

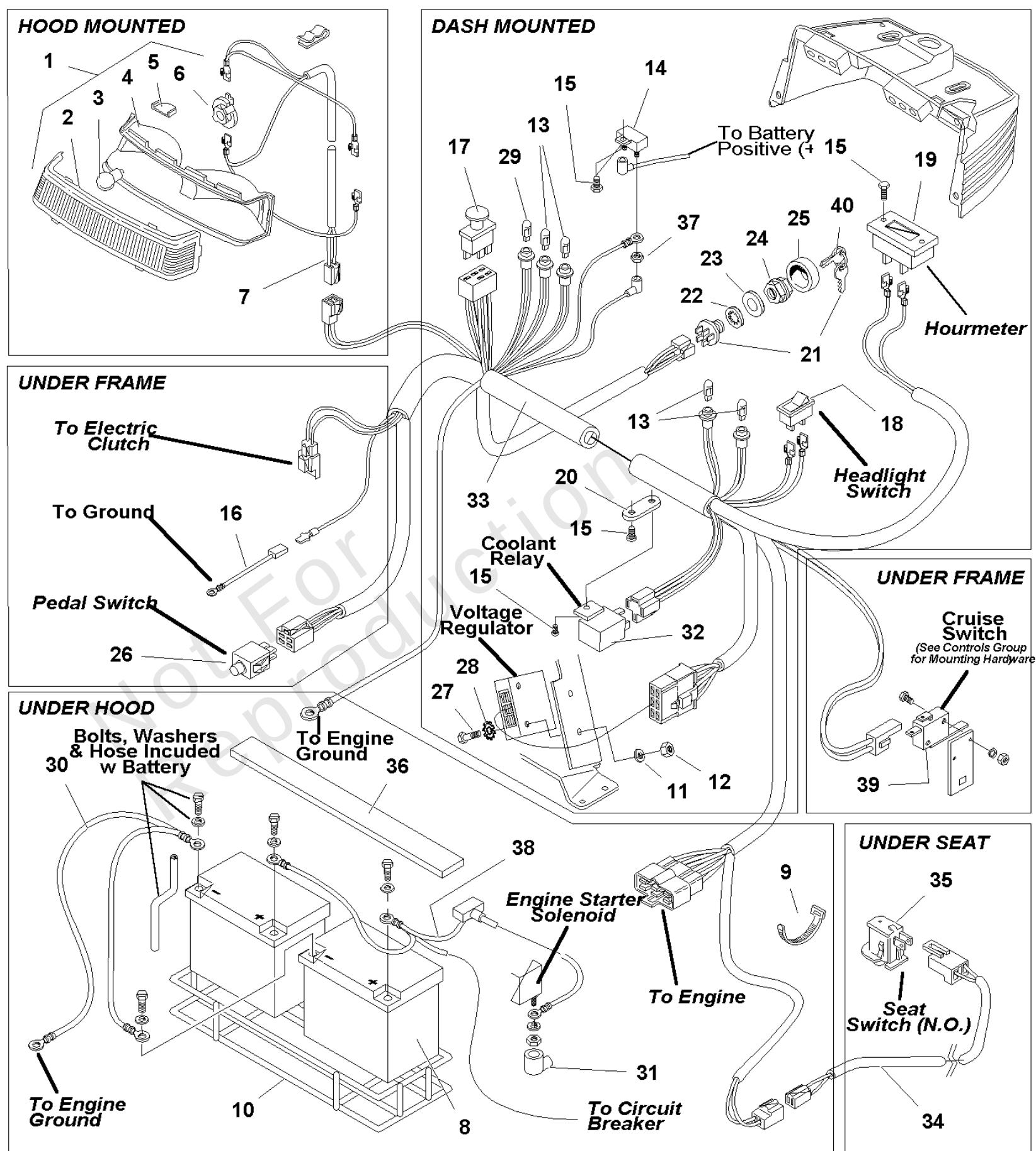
Footnotes:

Note:* Not a Service Part.

Electrical Group - 17HP Kawasaki Liquid Cooled

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693504



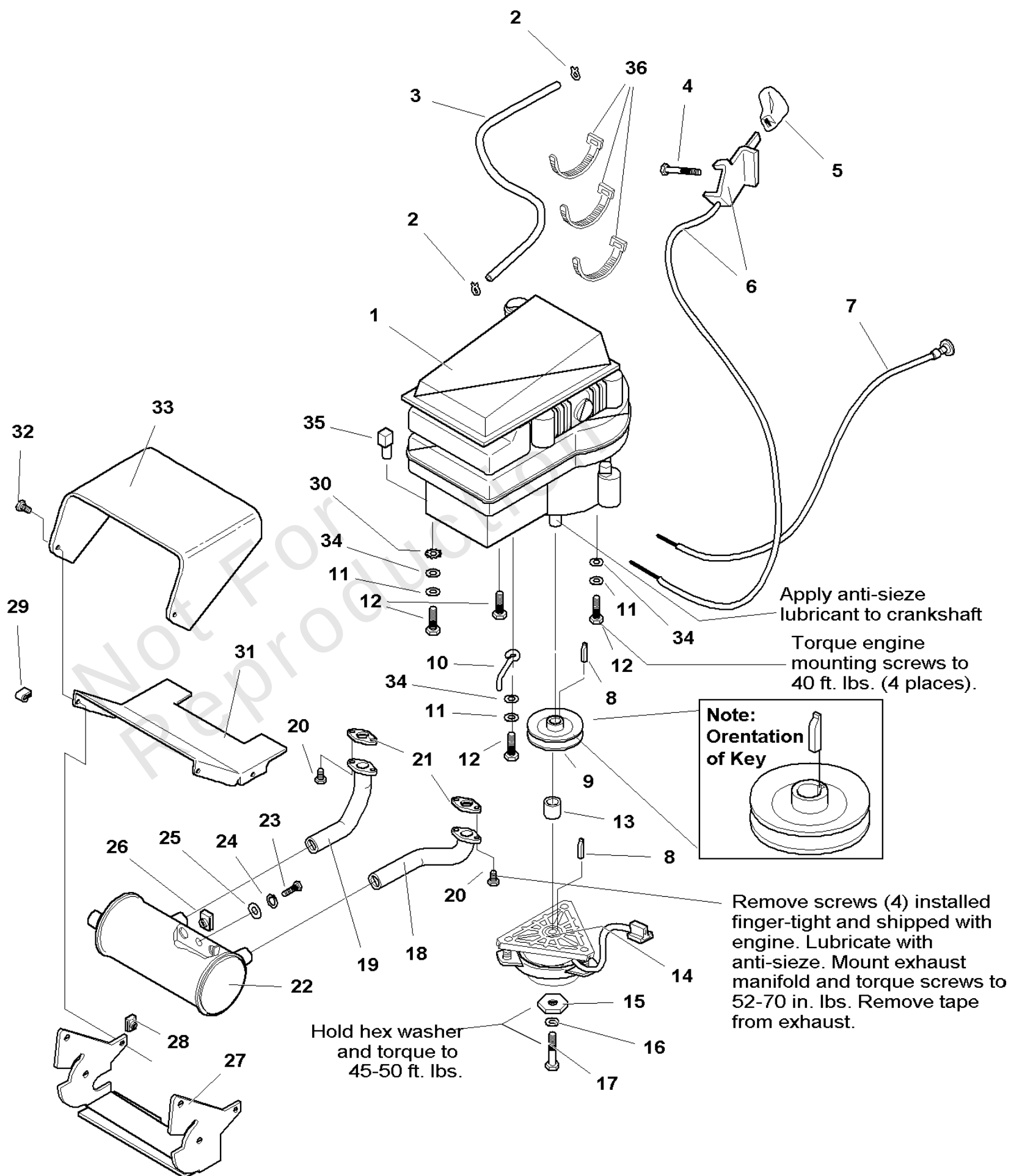
Electrical Group - 17HP Kawasaki Liquid Cooled

REF NO	PART NO	QTY	DESCRIPTION
1	1703945SM	1	HEADLIGHT ASSEMBLY, Complete (Includes Ref. Nos. 2-6)
2	1703248SM	1	LENS, Headlight
3	1677371SM	2	BULB-HEADLIGHT 1
4	1703249SM	1	BEZEL, Headlight
5	1703946SM	2	HEAT SHIELD
6	1677370SM	2	SOCKET, Bulb
7	1674358SM	1	WIRE ASSEMBLY, Headlight
8	1686695SM	2	BATTERY KIT
9	1701011SM	1	TIE, Self-Locking
10	1716876SM	1	TRAY, Battery, Wireform
11	1916964SM	2	WASHER, Lock, 1/4
12	1916622SM	2	NUT, Hex, 1/4-20
13	1676130SM	4	BULB, Indicator Light
14	1665238SM	1	BREAKER-CIRCUIT
15	1960369SM	5	CAPSCREW, Hex Head, Plastite, #8-16 x 1/2
16	1707232SM	1	WIRE ASSEMBLY, Engine Ground
17	1716332SM	1	SWITCH, PTO Electric Clutch
18	1703799SM	1	SWITCH, HEADLIGHT
19	1715138SM	1	HOURLMETER
20	1704614SM	1	STRAP, Wire Retainer
21	1686734SM	1	IGNITION SWITCH
22	1960547SM	1	LOCKWASHER-INTERNAL
23	2101025SM	1	WASHER, 5/8
24	1717549SM	1	NUT, Hex Flange, 5/8
25	1717550SM	1	COVER, Key Switch
40	1717163SM	1	KEY-IGNITION INDAK
26	1719834SM	1	SWITCH, Pedal
27	1926771SM	2	CAPSCREW, Hex Head, 1/4-20 x 1, G 8
28	1921880SM	2	LOCKWASHER-EXTERNALTO
29	1716868SM	1	BULB, Indicator, Flashing
30	1716183SM	1	CABLE, Battery Negative to Engine Ground
31	1713535SM	1	BOOT, Electrical
32	1726829SM	1	RELAY, Coolant
33	1719366SM	1	WIRE HARNESS
34	1704877SM	1	WIRE ASSEMBLY, Seat Switch
35	1732004SM	1	SWITCH-PUSH BUTTON
36	1716569SM	1	COVER, Battery
37	1928919SM	1	NUT-HEX & WASHER ASMY
38	1720107SM	1	CABLE, Battery (Positive to Engine Solenoid)
39	1686951SM	1	SWITCH, Interlock

Engine Group - Electric Clutch - 17HP Kawasaki Liquid Cooled

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693504



Engine Group - Electric Clutch - 17HP Kawasaki Liquid Cooled

REF NO	PART NO	QTY	DESCRIPTION
1	-----	1	ENGINE, 17HP Kawasaki
2	2860112SM	2	CLAMP, Hose
3	1708549SM	1	HOSE, Fuel, 38" Long
4	1960536SM	2	SCREW, HEX WSHR HD PL
5	1713846SM	1	KNOB, Throttle
6	1714068SM	1	THROTTLE CONTROL ASSEMBLY
7	1708764SM	1	CABLE, Choke Control
8	171241	2	KEY, Hi-Pro
9	1713187SM	1	PULLEY ASSEMBLY
10	1704419SM	1	BELT STOP
11	1917356SM	4	WASHER, Lock, 5/16
12	1960562SM	4	CAPSCREW, Hex Head, M8 - 1.25 x 40mm
13	1708587SM	1	SPACER
14	1686883SM	1	ELECTRIC CLUTCH ASSEMBLY, PTO
15	1708264SM	1	WASHER, HEX, 0.453ID
16	1918199SM	1	WASHER, Lock, 7/16
17	1960561SM	1	CAPSCREW, Hex Head, M10 - 1.5 x 100mm
18	1719785SM	1	MANIFOLD PIPE, LH
19	1719786SM	1	MANIFOLD PIPE, RH
20	1960407SM	4	CAPSCREW, Hex Socket Head, M8 - 1.25 x 20mm -Included with engine.
21	-----	2	GASKET
22	1719646SM	1	MUFFLER
23	703570	1	CAPSCREW, Hex Head, 5/16-18 x 1 1/4
24	1917356SM	1	WASHER, Lock, 5/16
25	1919326SM	1	WASHER, 5/16
26	1935255SM	1	NUT, SPEED, 5/16-18 L
27	1719662SM	1	DUCT, Lower Exhaust
28	1960368SM	4	PAL NUT, 1/4-20
29	2834683SM	1	CLIP
30	2820426SM	1	WASHER, Lock, External Tooth, 5/16
31	1719741SM	1	DUCT, Upper Exhaust
32	1960295SM	4	CAPSCREW, Hex Head, Whiz Lock, 1/4-20 x 5/8
33	1719740SM	1	DUCT, Upper
34	1919381SM	4	WASHER, Flat, 5/16
35	1715649SM	1	VALVE, Oil Drain
36	1701011SM	3	TIE, Self-Locking

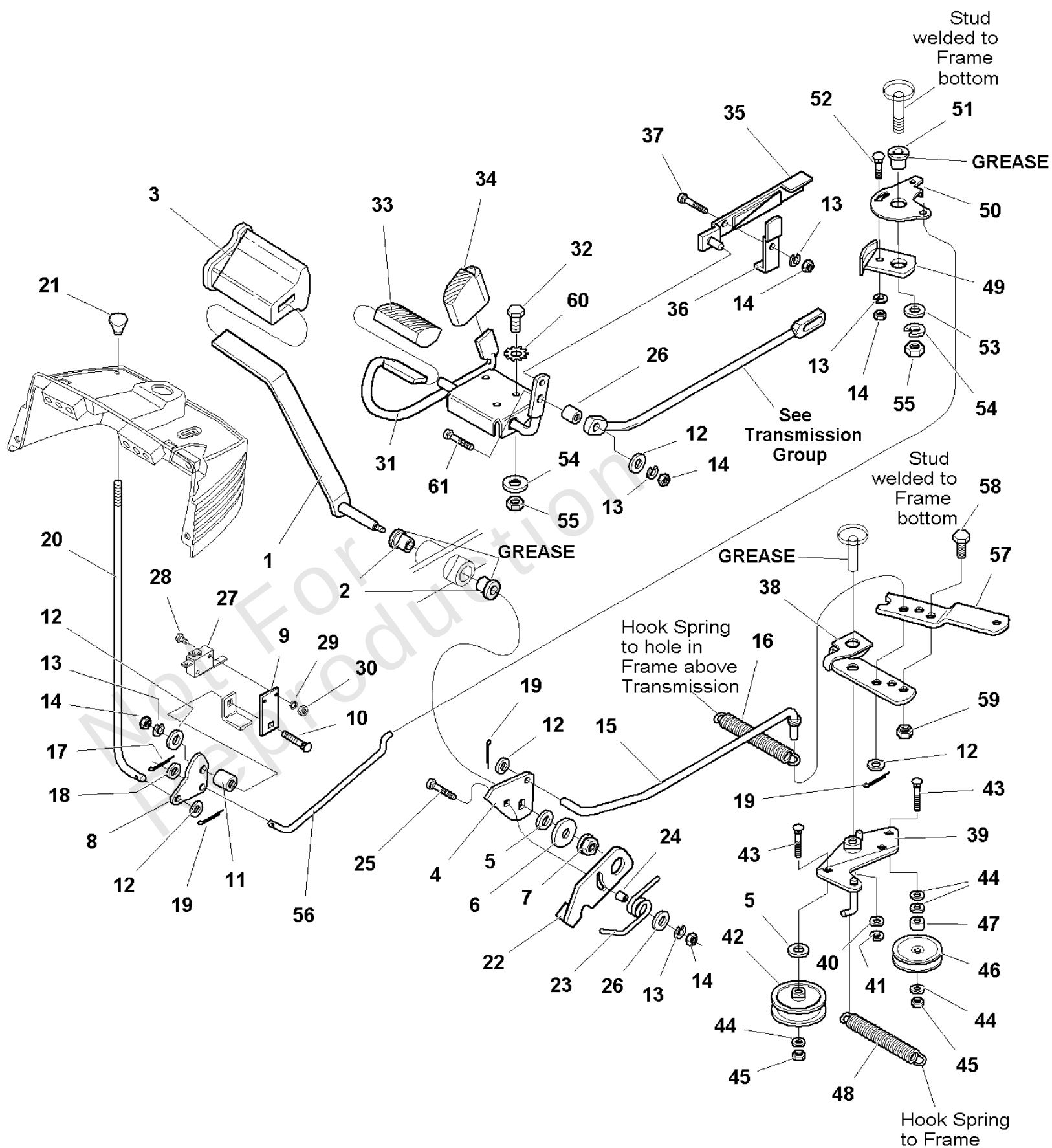
Footnotes:

Note:* See your local Kawasaki distributor for Parts & Service.

Foot Controls Group

Note: Unless noted otherwise, use the standard torque specifications

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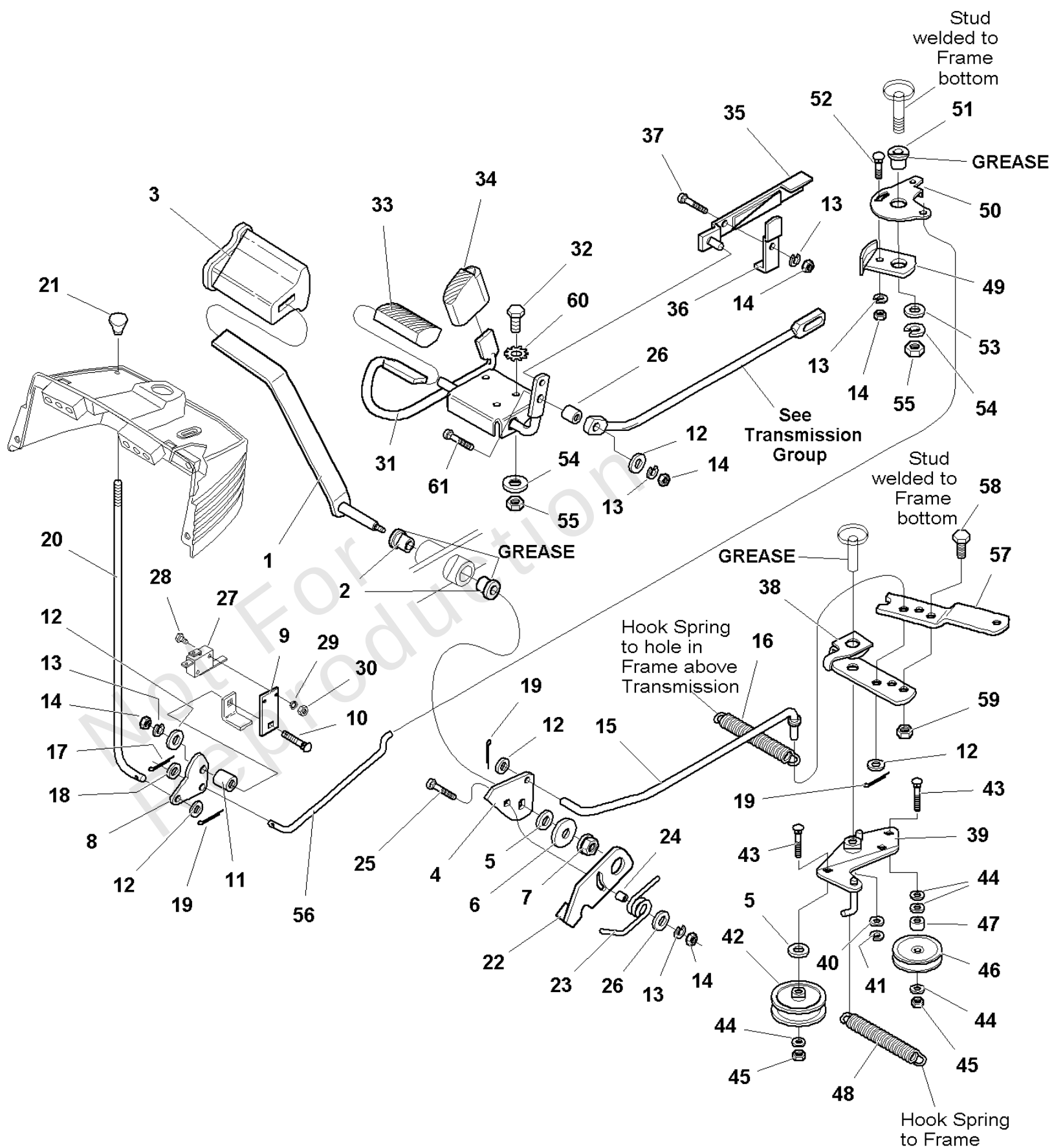
Foot Controls Group

REF NO	PART NO	QTY	DESCRIPTION
1	1717765SM	1	FOOT PEDAL & SHAFT ASSEMBLY
2	1663114SM	2	BUSHING
3	1718944SM	1	FOOT PEDAL PAD, Black Rubber
4	1717767SM	1	ARM, Foot Pedal
5	1922755SM	2	WASHER, Plain, 3/8
6	1922611SM	1	WASHER, 3/8
7	1919439SM	1	NUT, Hex Nylon Lock, 3/8-16
8	1717977SM	1	BELLCRANK, Cruise
9	1718042SM	1	PLATE, Cruise Lock Light Switch
10	1931335SM	1	BOLT, Carriage, Short Neck, 5/16-18 x 1
11	1666697SM	1	SPACER
12	1919326SM	5	WASHER, 5/16
13	1917356SM	5	WASHER, Lock, 5/16
14	1917372SM	5	NUT, Hex, 5/16-18
15	1717768SM	1	ROD, Clutch
16	1706553SM	1	SPRING, Extension
17	1923360SM	1	COTTER PIN, 1/16 x 3/4
18	1921319SM	1	WASHER, 1/4
19	1918447SM	3	PIN, Cotter, 3/32 x 3/4
20	1719476SM	1	ROD, Brake Lift
21	1718003SM	1	KNOB
22	1709950SM	1	ACTUATOR, Switch
23	1709974SM	1	SPRING, Torsion
24	1720882SM	1	SPACER .328 ID .500 OD .690 Lg.
25	1960223SM	1	BOLT-RD HD SH SQ NK 5
26	1719200SM	1	SPACER
27	1686951SM	1	INTERLOCK SWITCH, Cruise/Parking Brake
28	1935944SM	2	CAPSCREW, Hex Head, Taptite, #5-40 x 3/4
29	1930947SM	2	WASHER, Lock, 1/8
30	1931003SM	2	NUT, Machine Screw, #5-40
31	1719176SM	1	FOOT PEDAL ASSEMBLY
32	1960136SM	2	CAPSCREW, Hex Head, 3/8-16 x 1
33	1715834SM	1	PAD, Foot Pedal, Forward
34	1715835SM	1	PAD, Foot Pedal, Reverse
35	1718041SM	1	LOCK PLATE ASSEMBLY -The pad should be moved back 3/4".
36	1717983SM	1	BRACKET, Lock Plate Assembly
37	1931333SM	1	CARRIAGE BOLT, 5/16-18 x 3/4
38	1719272SM	1	PIVOT -Mounts on pivot shaft, 1719408.
39	1719408SM	1	PLATE & PIN ASSEMBLY, Idler -Mounts on pivot shaft, 1719272.
40	1960020SM	1	WASHER, Plain, 21/32
41	1704420SM	1	KLIP RING, 5/8
42	1721133SM	1	PULLEY, IDLER
43	1931353SM	2	CARRIAGE BOLT, 3/8-16 x 1-3/4
44	1924940SM	4	WASHER, 3/8
45	1928352SM	2	NUT, Hex Flange Whiz Lock, 3/8-16
46	2174561SM	1	PULLEY, V
47	1667811SM	1	SPACER
48	1718016SM	1	SPRING, Extension
49	1719946SM	1	PLATE & PAD ASSEMBLY, Cruise Lock

Foot Controls Group

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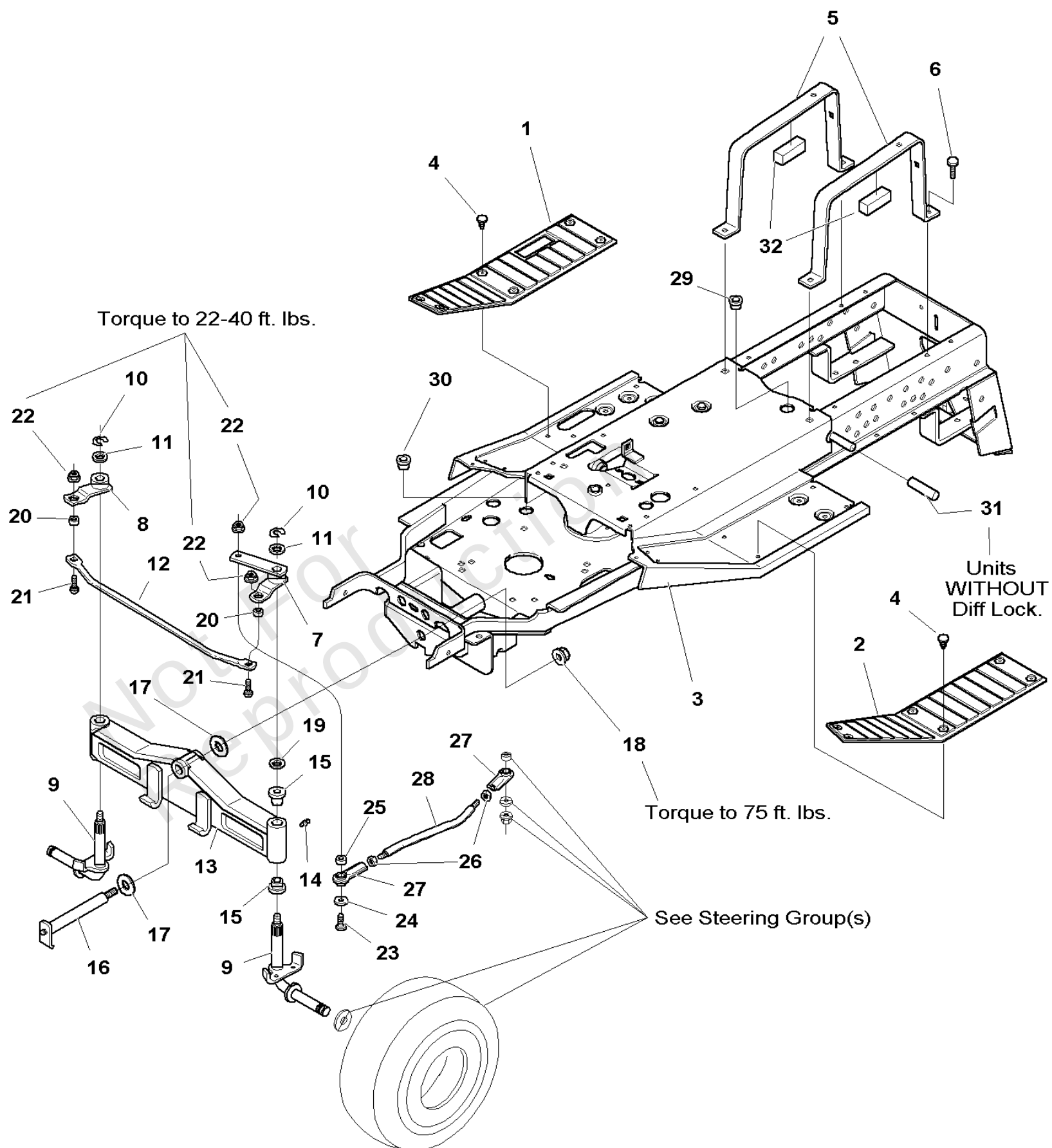
Foot Controls Group

REF NO	PART NO	QTY	DESCRIPTION
50	1719714SM	1	BRACKET, Lock Plate
51	1718015SM	1	SPACER, 25/64 x 15/16 x 21/32
52	1931334SM	1	CARRIAGE BOLT, 5/16-18 x 7/8
53	1924356SM	1	WASHER, 3/8
54	1916965SM	3	WASHER, Lock, 3/8
55	1916950SM	3	NUT, Hex, 3/8-16
56	1719721SM	1	ROD, Cruise
57	1719152SM	1	LEVER, Brake
58	1921332SM	2	CAPSCREW, Hex Head, 5/16-18 X 3/4
59	1935048SM	2	NUT, Hex Head, Whiz Lock, 5/16-18
60	2820427SM	2	WASHER, Lock, External Tooth
61	1931338SM	1	CARRIAGE BOLT, 5/16-18 x 1-3/4

Frame & Front Axle Group

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Frame & Front Axle Group

REF NO	PART NO	QTY	DESCRIPTION
1	1717936SM	1	PAD, Footrest, RH
2	1704311SM	1	PAD, Footrest, LH
3	1718533SM	1	FRAME ASSEMBLY (Air-Cooled Models)
3	1719142SM	1	FRAME ASSEMBLY (Liquid-Cooled Models)
4	1704351SM	13	FASTENER, Panel
5	1720041SM	2	STRAP, Fuel Tank
6	1960373SM	4	CAPSCREW, Hex Head, Taptite, 5/16-18 X 1
7	1706997SM	1	STEERING ARM ASSEMBLY, LH, Splined
8	1706996SM	1	STEERING ARM ASSEMBLY, RH, Splined
9	1706991ASM	2	SPINDLE ASSEMBLY
10	1704420SM	2	KLIP RING, 5/8
11	1960020SM	2	WASHER, Plain, 21/32
12	1706956SM	1	TIE ROD
13	1703475ASM	1	AXLE ASSEMBLY, Front
14	1704314SM	2	LUBE FITTING, .250 DR
15	2176440SM	4	BUSHING-0.765IDX
16	1718856SM	1	AXLE PIVOT ASSEMBLY
17	2860530SM	2	WASHER, Special, 1.0
18	1960270SM	1	NUT, Hex Full, Lock, 3/4-16
19	1960114SM	2	WASHER, Plain, 3/4
20	1611705SM	2	SPACER-0.385IDX0
21	1931350SM	2	BOLT, RD HD SH SQ NK
22	1930645SM	3	NUT, Hex Flange, 2-Way Lock, 3/8-16
23	1921968SM	1	CAPSCREW, Hex, 3/8-16 x 1-3/8
24	1922755SM	1	WASHER, Plain, 3/8
25	1708236SM	1	SPACER
26	1919262SM	2	NUT, Hex Jam, 1/2-20
27	1702779SM	2	JOINT-BALL .500-20 TH
28	1708084A	1	DRAG LINK
29	1701229SM	1	BUSHING, Snap
30	1705921SM	1	BUSHING, Snap, Large
31	1719930SM	1	GRIP, Plastic (Units without Diff. Lock)
32	-----	1	FOAM

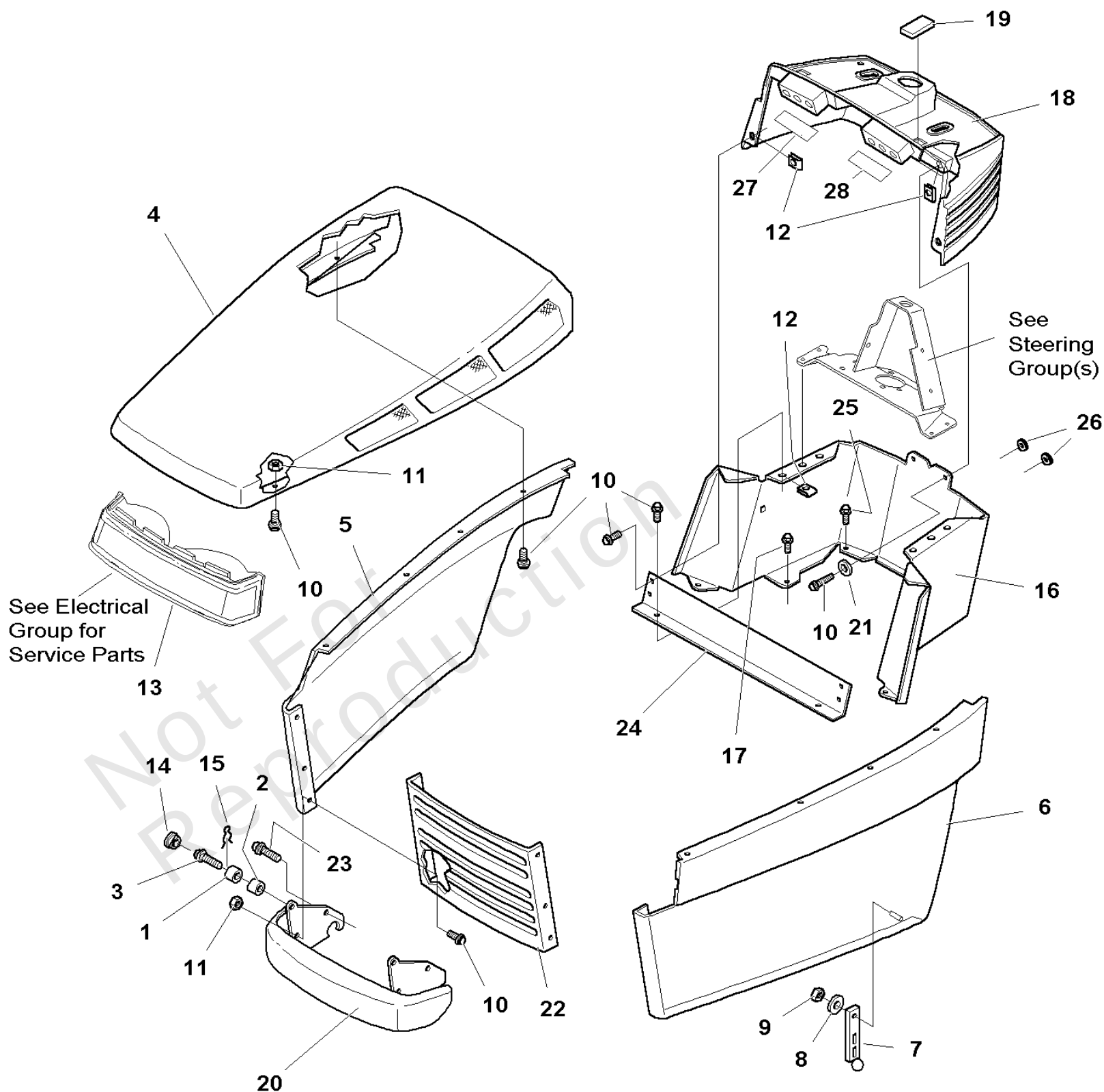
Footnotes:

Note:* Not a Service Part. This part goes over diff lock pin in frame.

Hood, Grille & Dash Group - 17HP Kawasaki Liquid Cooled Models

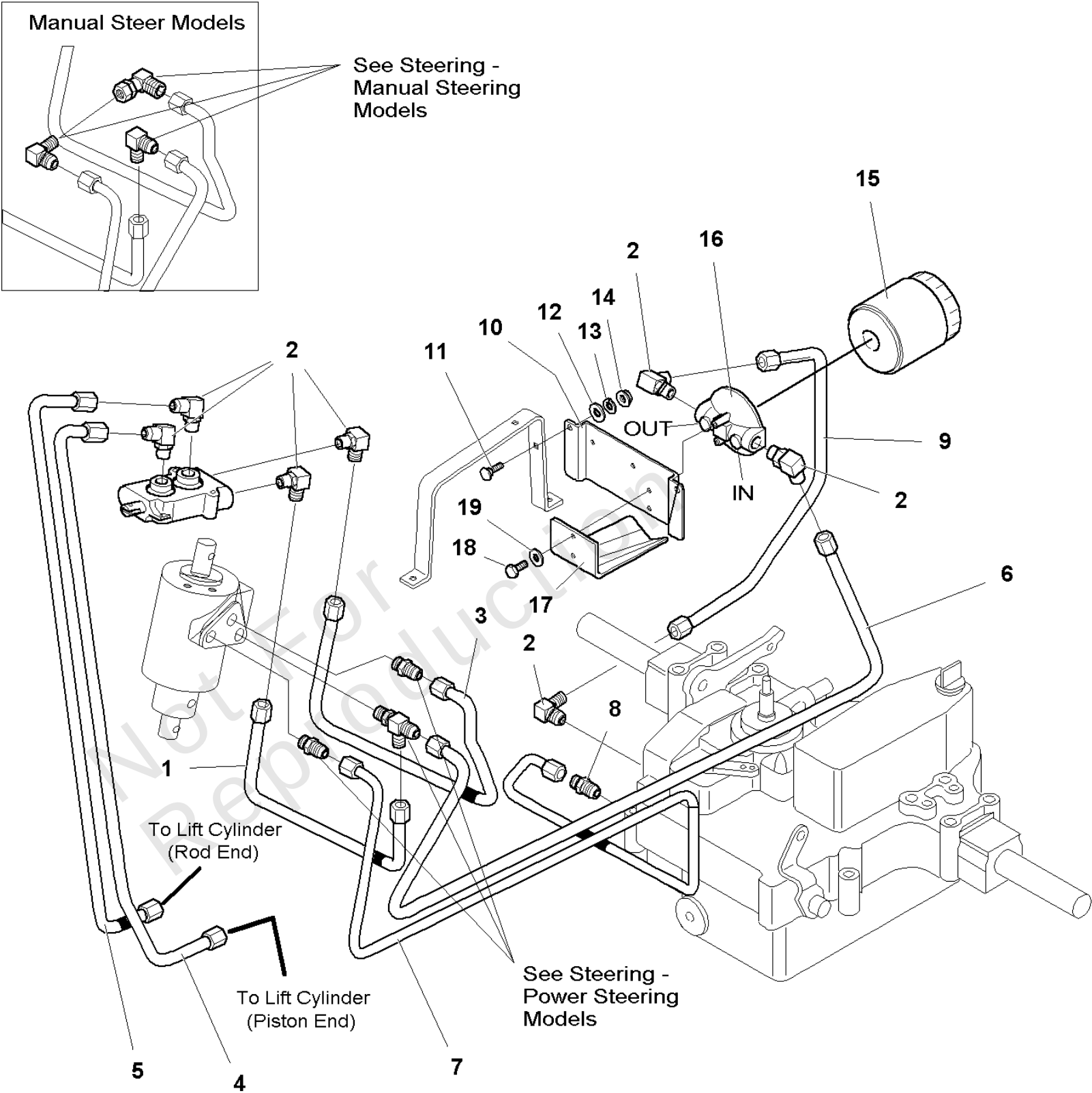
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Hood, Grille & Dash Group - 17HP Kawasaki Liquid Cooled Models

REF NO	PART NO	QTY	DESCRIPTION
1	1705249SM	2	SPACER
2	1705248SM	2	PIVOT, Hood
3	1960373SM	2	CAPSCREW, Hex Head, Taptite, 5/16-18 X 1
4	1716176SM	1	HOOD, Orange
4	1729529SM	1	HOOD, Red
5	1716178SM	1	SIDE PANEL ASSEMBLY, RH, Orange
5	1729531SM	1	SIDE PANEL ASSEMBLY, RH, Red
6	1716177SM	1	SIDE PANEL ASSEMBLY, LH, Orange
6	1729530SM	1	SIDE PANEL ASSEMBLY, LH, Red
7	2171600SM	2	STRAP, Hood
8	1960096SM	2	WASHER, 3/16
9	1933896SM	2	NUT, Hex Nylon Lock, #10-24
10	1960295SM	22	CAPSCREW, Hex Head, Whiz Lock, 1/4-20 x 5/8
11	1920397SM	14	NUT, Hex Nylon Lock, 1/4-20
12	1960368SM	6	PAL NUT, 1/4-20
13	1703945SM	1	HEADLIGHT ASSEMBLY (See Electrical Group for Service Parts) -See Electrical Group for Service Parts.
14	1704626SM	2	SPACER, Hood
15	1704628SM	2	CLIP, Hairpin
16	1719163C	1	DASH ASSEMBLY, Lower
17	1925003SM	6	CAPSCREW, Hex Head, Taptite, 1/4-20 x 1/2
18	1719245SM	1	DASHBOARD ASSEMBLY (Liquid Cooled Models)
19	1709188SM	1	PLUG, BLACK PLASTIC
20	1719555SM	1	BUMPER ASSEMBLY
21	1921319SM	4	WASHER, 1/4
22	1715740ASM	1	GRILLE
23	1930601SM	2	CAPSCREW, Hex Head, Taptite, 5/16-18 x 5/8
24	1715617SM	1	SUPPORT, Upper Dash
25	1929000SM	1	CAPSCREW, Hex Head, Taptite, 1/4-20 x 3/8
26	1670675SM	2	PLUG
27	1719931SM	1	DECAL, R. H. Indicator
28	1719798SM	1	DECAL, L. H. Indicator



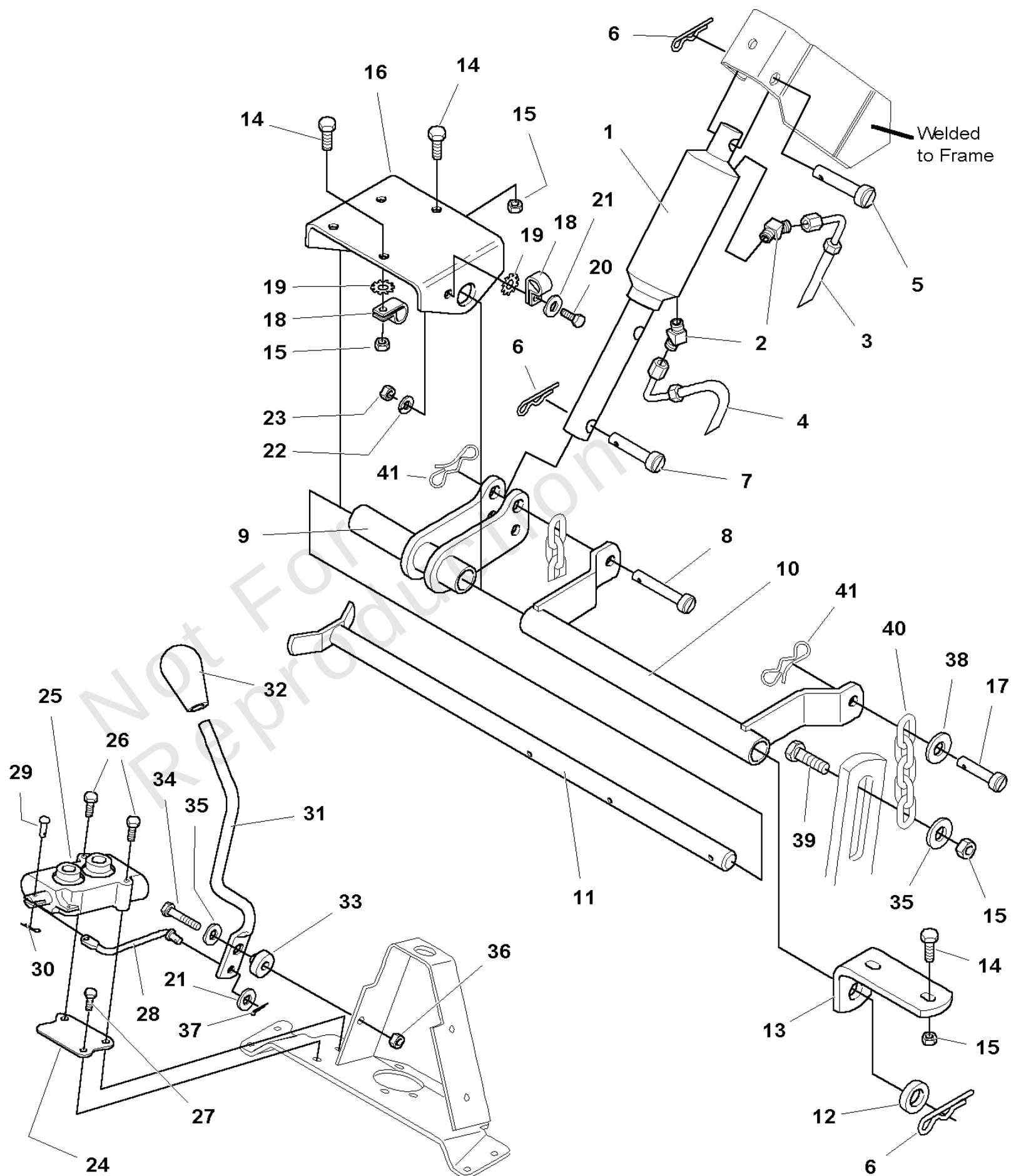
Hydraulics Group

REF NO	PART NO	QTY	DESCRIPTION
1	1721534SM	1	HYDRAULIC LINE, Lift Valve Tee -- Torque OUT
2	2822523SM	7	FITTING, Elbow
3	1721535SM	1	HYDRAULIC LINE, Valve P -- Torque AUX
4	1721536SM	1	HYDRAULIC LINE, Valve A -- Cylinder Piston
5	1721537SM	1	HYDRAULIC LINE, Valve B -- Cylinder Rod
6	1721538SM	1	HYDRAULIC LINE, Torque Out -- Filter In
7	1721539SM	1	HYDRAULIC LINE, Torque IN -- Transmission Out
8	2822522SM	1	FITTING, Tube, Male, Short
9	1721540SM	1	HYDRAULIC LINE, Filter Out - Transmission In
10	1719540SM	1	BRACKET, Oil Filter
11	1960282SM	2	CARRIAGE BOLT, 5/16-18 x 3/4
12	1919326SM	2	WASHER, 5/16
13	1917356SM	2	WASHER, Lock, 5/16
14	1917372SM	2	NUT, Hex, 5/16-18
15	1719168SM	1	FILTER, Transmission Oil
16	1719169SM	1	BASE, Oil Filter
17	1719542SM	1	TROUGH, Hydraulic Oil Filter
18	1921958SM	2	CAPSCREW, Hex Head, 1/4-20 x 1/2
19	1916964SM	2	WASHER, Lock, 1/4

Lift Mechanism Group - Hydraulic

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693504



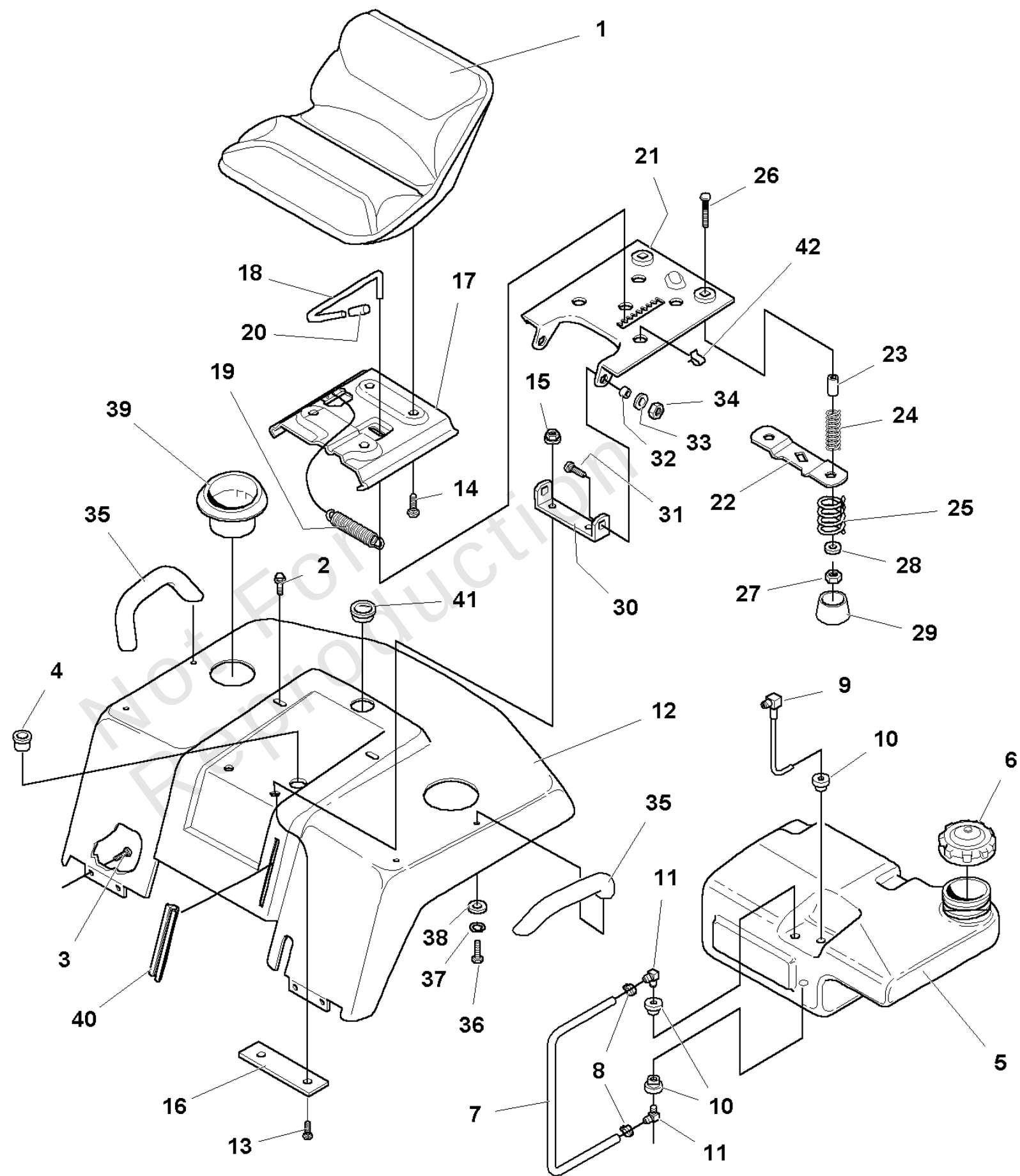
Lift Mechanism Group - Hydraulic

REF NO	PART NO	QTY	DESCRIPTION
1	1685347SM	1	CYLINDER, Hydraulic Lift (Includes Ref. No. 5)
2	2172320SM	2	FITTING, Hydraulic, 45 Degree Elbow, 1/8NPT x 1/2-20
3	1719703SM	1	HYDRAULIC LINE, Long, Valve A -- Cylinder Piston -Use on piston side of cylinder.
4	1719704SM	1	HYDRAULIC LINE, Short, Valve B -- Cylinder Rod -Use on rod side of cylinder.
5	1729275SM	1	PIN, Clevis
6	1960033SM	3	CLIP, Hair Pin
7	1960064SM	1	PIN
8	1672344SM	1	PIN
9	1708291SM	1	LIFT ARM ASSEMBLY
10	1708299SM	1	LIFT TUBE ASSEMBLY
11	1706525SM	1	SHAFT ASSEMBLY
12	1911386SM	1	WASHER, Plain
13	1704712ASM	1	LIFT, Pivot Bracket
14	1923325SM	6	CAPSCREW, Hex Head, 5/16-18 x 7/8
15	1919438SM	8	NUT, Hex Nylon Lock, 5/16-18
16	1706529SM	1	SUPPORT, Lift
17	1708298SM	1	PIN
18	1708007SM	2	CLAMP -The lift hose goes through here.
19	2820426SM	2	WASHER, Lock, External Tooth, 5/16
20	1921960SM	1	CAPSCREW, Hex Head, 1/4-20 x 1
21	1921319SM	2	WASHER, 1/4
22	1916964SM	1	WASHER, Lock, 1/4
23	1916622SM	1	NUT, Hex, 1/4-20
24	1719592SM	1	PLATE, Valve Mounting
25	1719164SM	1	VALVE, Lift
26	1930810SM	2	CAPSCREW, Hex Head, Taptite, 1/4-20 x 1-1/2
27	1929000SM	1	CAPSCREW, Hex Head, Taptite, 1/4-20 x 3/8
28	1719165SM	1	LINK, Lift Valve Spool
29	1676883SM	1	PIN
30	1923360SM	1	COTTER PIN, 1/16 x 3/4
31	1719166SM	1	LEVER, Hydraulic Lift
32	1713843SM	1	KNOB, Lift Lever
33	1719649SM	1	SPACER
34	1921977SM	1	CAPSCREW, Hex Head, 5/16-18 x 1 1/4
35	1919381SM	3	WASHER, Flat, 5/16
36	1935048SM	1	NUT, Hex Head, Whiz Lock, 5/16-18
37	1918447SM	1	PIN, Cotter, 3/32 x 3/4
38	1922755SM	1	WASHER, Plain, 3/8
39	1930570SM	2	CAPSCREW, Hex Head, 5/16-18 x 1-1/2
40	1707514ASM	2	CHAIN, 3 Link (used on 50" Mowers)
40	1708088ASM	2	CHAIN-LINK 06.08 - BL
41	1722320SM	2	PIN, Cotter Locking

Seat & Seat Deck Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693504



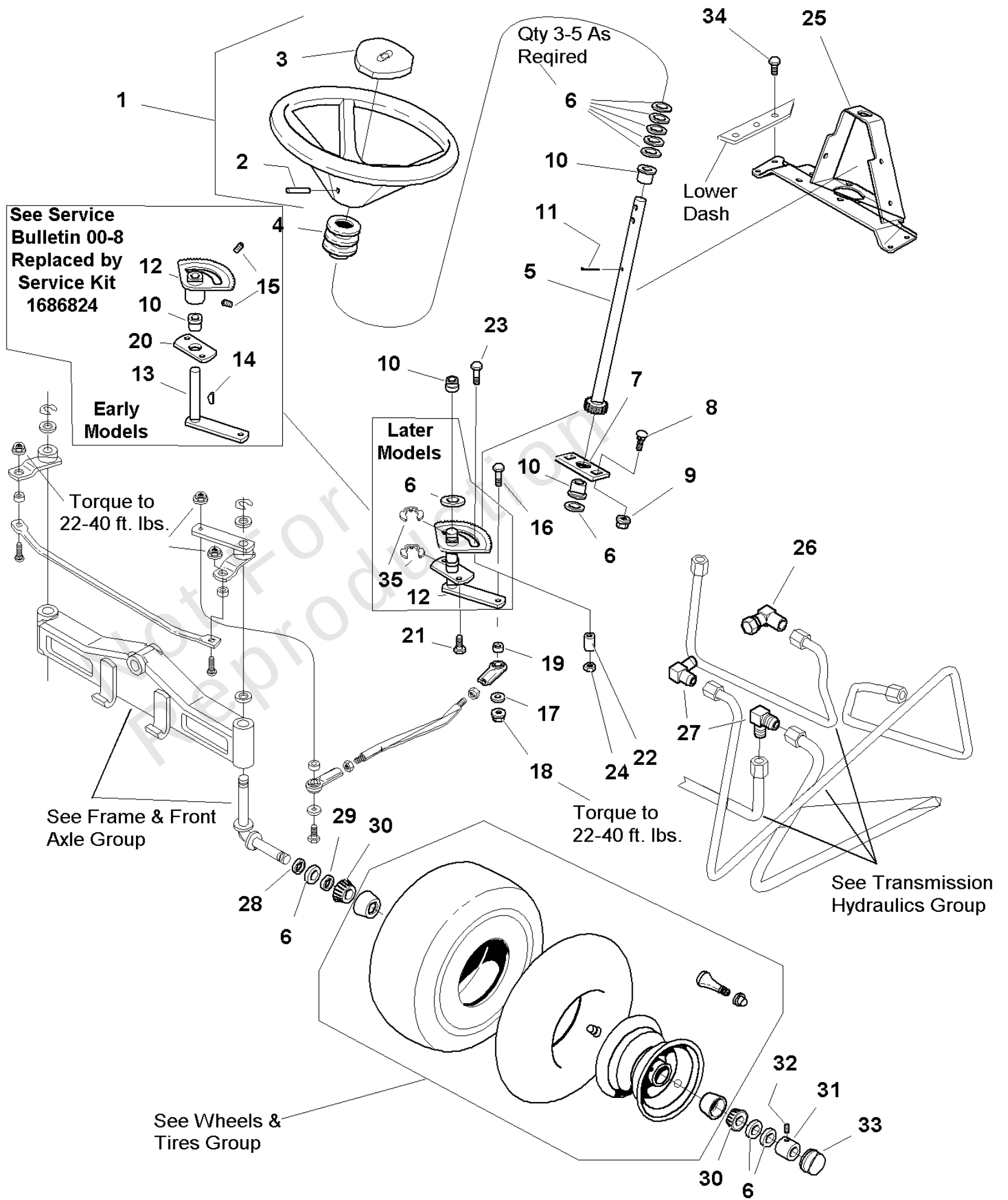
Seat & Seat Deck Group

REF NO	PART NO	QTY	DESCRIPTION
1	1687020SM	1	MILSCO SEAT SERVICE K
2	1930601SM	2	CAPSCREW, Hex Head, Taptite, 5/16-18 x 5/8
3	1925003SM	4	CAPSCREW, Hex Head, Taptite, 1/4-20 x 1/2
4	1701229SM	1	BUSHING, Snap
5	1719664SM	1	FUEL TANK, Plastic
6	1715917SM	1	CAP, Fuel Tank, Black Plastic
7	1719779SM	1	HOSE, Fuel Sight Gauge
8	2829301SM	2	CLAMP, Hose
9	1704108SM	1	ELBOW & TUBE ASSEMBLY
10	1654930SM	3	BUSHING, Rubber
11	1719848SM	2	FITTING, Fuel
12	1719170SM	1	SEAT DECK (Units with Diff Lock), Orange
12	1719817SM	1	SEAT DECK (Units WITHOUT Diff Lock), Orange
12	1729535SM	1	SEAT DECK (Units with Diff Lock), Red
12	1729541SM	1	SEAT DECK (Units WITHOUT Diff Lock), Red
13	1960459SM	2	CAPSCREW, Truss Head, Torx, 3/8-16 x 1
14	1931648SM	4	CAPSCREW, Hex Head, Whiz Lock, 5/16-18 x 5/8
15	1928352SM	2	NUT, Hex Flange Whiz Lock, 3/8-16
16	1708361SM	1	PLATE, Reinforcement
17	1714441SM	1	BRACKET, Seat Slide
18	1719712SM	1	LEVER, Seat Release
19	1707137SM	1	SPRING, Extension
20	1704723SM	1	HANDLE, Grip
21	1709307SM	1	SUPPORT, Seat Pivot
22	1719809SM	1	PLATE
23	1704299SM	2	SPACER
24	1709308SM	2	SPRING, Compression
25	1704728SM	2	SPRING, Compression
26	1931339SM	2	CARRIAGE BOLT, 5/16-18 x 2
27	1919438SM	2	NUT, Hex Nylon Lock, 5/16-18
28	1709256SM	2	WASHER, Spring, 5/16 x 1 1/4
29	1704724SM	2	COVER, Spring
30	1718858SM	1	BRACKET, Seat Pivot
31	1931350SM	2	BOLT, RD HD SH SQ NK
32	1663752SM	2	SPACER, 25/64 x 5/8 x 3/16
33	1924940SM	2	WASHER, 3/8
34	1919439SM	2	NUT, Hex Nylon Lock, 3/8-16
35	1719171SM	2	HANDLE, Plastic
36	1925205SM	4	CAPSCREW, Hex Head, 5/16-18 x 5/8
37	1917356SM	4	WASHER, Lock, 5/16
38	1960044SM	4	WASHER-0.312(0.33IDX1
39	1719392SM	1	CUP HOLDER
40	1719780SM	1	EXTRUSION, Sight Gauge
41	1700884	1	PLUG, Plastic Button
42	2172434SM	1	CLIP- WIRE DIA .390

Steering Group - Manual Steering

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693504



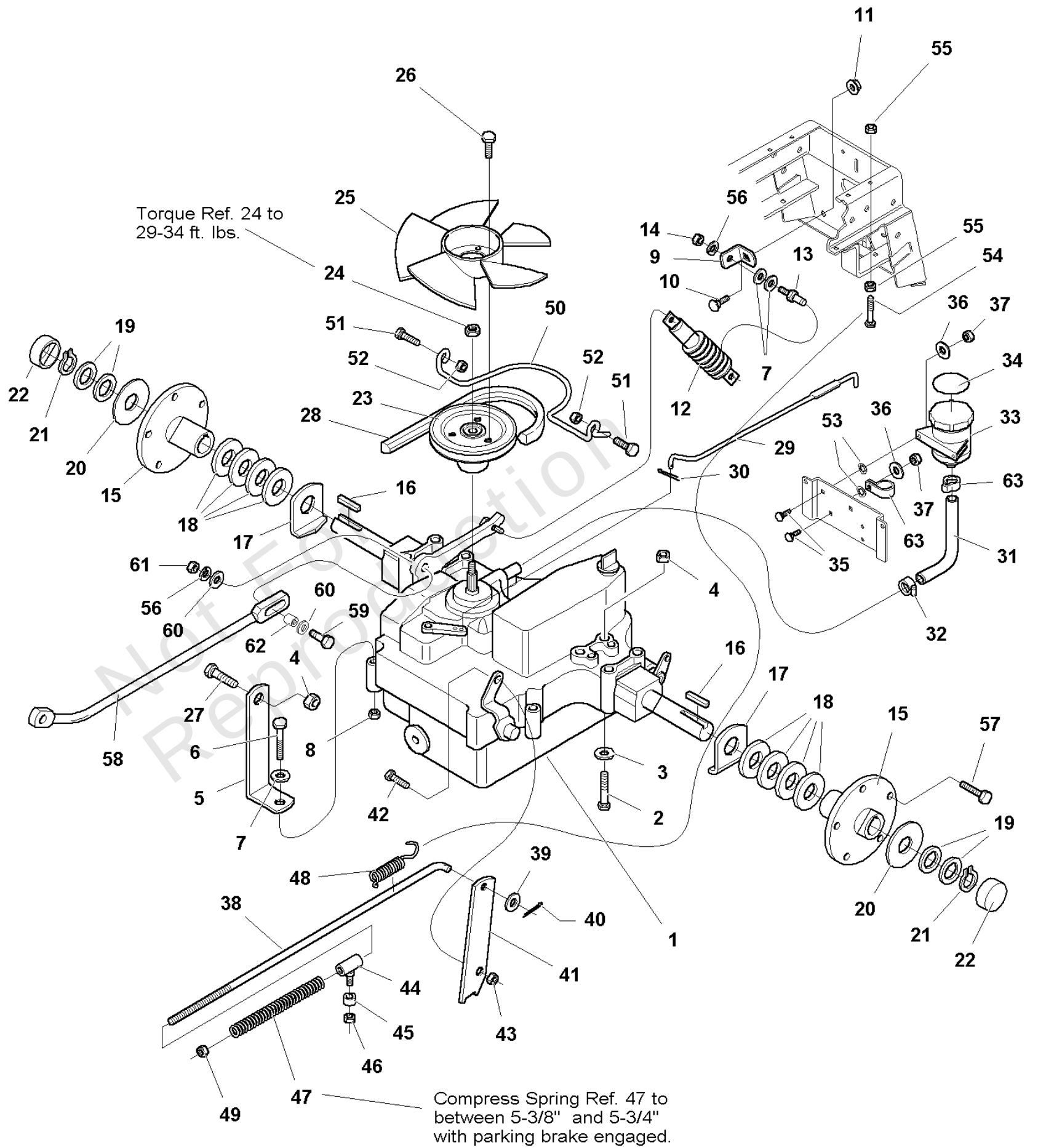
Steering Group - Manual Steering

REF NO	PART NO	QTY	DESCRIPTION
1	1686651SM	1	STEERING WHEEL ASSEMBLY (Includes Ref. Nos. 2 and 3)
2	1960540SM	1	PIN, Spring, 5/8 x 2
3	1714097SM	1	CAP, Steering Wheel
4	1714400SM	1	TUBE, Steering
5	1720122SM	1	SHAFT ASSEMBLY, Steering (Manual)
6	1960114SM	12	WASHER, Plain, 3/4
7	1703508ASM	1	PLATE, Mounting, Steering
8	1931350SM	2	BOLT, RD HD SH SQ NK
9	1928352SM	2	NUT, Hex Flange Whiz Lock, 3/8-16
10	2176440SM	4	BUSHING-0.765IDX
11	1919314SM	1	PIN, Cotter, 3/16 x 1-1/4
12	1686824SM	1	GEAR ASSEMBLY, Steering (Early Models)(See Service Bulletin 00-8)
12	1686824SM	1	STEERING GEAR ASSEMBLY, (Later Models)
13	1707431SM	1	PITMAN ARM ASSEMBLY
14	2830670SM	1	KEY, Hi Pro
15	1928721SM	2	SETSCREW, Square Head, 5/16-18 x 1/2, G8
16	1921968SM	1	CAPSCREW, Hex, 3/8-16 x 1-3/8
17	1922755SM	1	WASHER, Plain, 3/8
18	1930645SM	1	NUT, Hex Flange, 2-Way Lock, 3/8-16
19	1708236SM	1	SPACER
20	1716117A	1	SECTOR MOUNTING PLATE
21	1960373SM	2	CAPSCREW, Hex Head, Taptite, 5/16-18 X 1
22	1673796SM	1	SPACER, Stop
23	1921221SM	1	CAPSCREW, Hex Head, 5/16-18 x 1-1/2
24	1919438SM	1	NUT, Hex Nylon Lock, 5/16-18
25	1719162SM	1	BRACKET & STEERING TOWER ASSEMBLY
26	1719132SM	1	FITTING, Hydraulic, 90 Degree Swivel Elbow (Hydraulic Lift Models Only)
27	1719822SM	2	FITTING, Hydraulic, 90 Degree Male (Hydraulic Lift Models Only)
28	2171375SM	2	SPACER
29	2170168SM	2	SEAL
30	2154486SM	4	BEARING, Tapered Roller -Wheels - check on need for 154393 cup which is in parts book.
31	1729254SM	2	COLLAR, Set
32	1960619SM	2	SETSCREW, Square Head, 5/16-18 x 3/8, G8
33	2154487SM	2	CAP, Hub -Wheels - check on need for 154393 cup which is in parts book.
34	1925003SM	4	CAPSCREW, Hex Head, Taptite, 1/4-20 x 1/2
35	1611710SM	2	CLIP RING, 3/4

Transmission Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693504



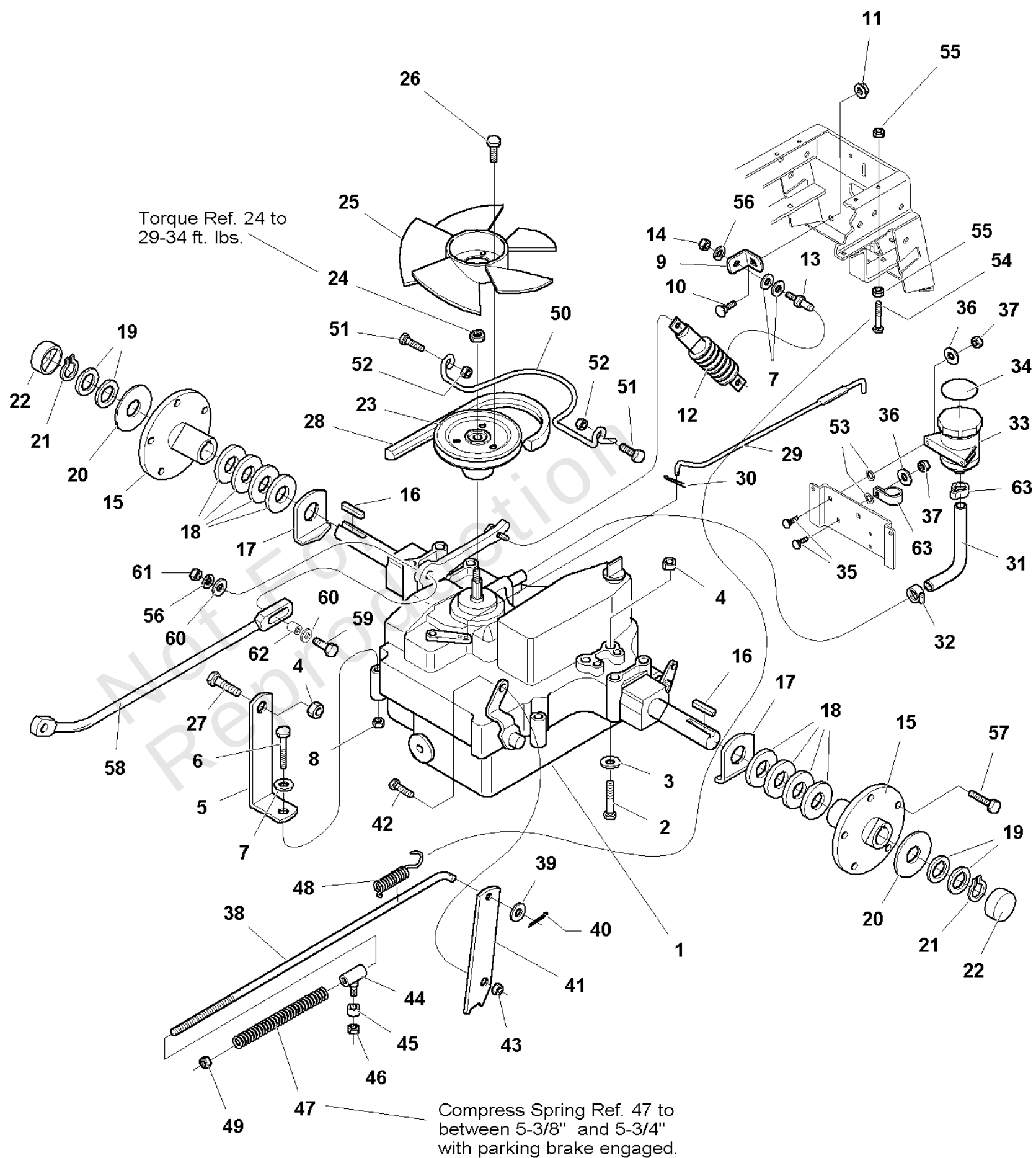
Transmission Group

REF NO	PART NO	QTY	DESCRIPTION
1	1686897SM	1	TRANSMISSION, Complete, K71E (with Diff Lock)
1	1686896SM	1	TRANSMISSION, Complete, K71G
1	1686898SM	1	TRANSMISSION, Complete, K71J
2	1960610SM	4	CAPSCREW, Hex Head, 3/8-16 x 4-1/4
3	1924940SM	4	WASHER, 3/8 (Qty 6 on Diff Lock Units)
4	1930645SM	4	NUT, Hex Flange, 2-Way Lock, 3/8-16
5	1719144SM	1	STRAP, Torque
6	1921719SM	1	CAPSCREW, Hex Head, 5/16-18 x 2-1/2
7	1919326SM	3	WASHER, 5/16
8	1931277SM	1	NUT, Hex Whiz Lock, 5/16-18
9	1719178SM	1	BRACKET, Shock Mount
10	1931335SM	1	BOLT, Carriage, Short Neck, 5/16-18 x 1
11	1927557SM	1	NUT, Hex Flange Whiz Lock, 5/16-18
12	1718039SM	1	SHOCK ABSORBER -Part comes with transmission.
13	1717685SM	1	STUD, 5/16-18 x 57/64
14	1917372SM	1	NUT, Hex, 5/16-18
15	1714853SM	2	HUB ASSEMBLY, Rear Wheel
16	1720463SM	2	KEY, Hi-Pro, 1/4
17	1719172ASM	2	WASHER SEAL, Axle
18	2860200SM	8	WASHER
19	1919394SM	4	WASHER, (1 or 2 as Required)
20	1714810SM	2	WASHER, Retainer, Hub Cap
21	2832577SM	2	RING, Retainer
22	1676519SM	2	CAP, Hub
23	1718576SM	1	PULLEY & HUB ASSEMBLY
24	1719968SM	1	NUT, Hex Flange Lock, M10 - 1.5
25	1719233SM	1	FAN ASSEMBLY
26	1933958SM	3	CAPSCREW, Hex Head, Taptite, 1/4-20 x 1-1/8
27	1928727SM	3	CAPSCREW, Hex Head, Whiz Lock, 3/8-16 x 1-1/4
28	1719398SM	1	V-BELT
29	1719143SM	1	LEVER, Hydro Release
30	1918447SM	1	PIN, Cotter, 3/32 x 3/4
31	1719916SM	1	HOSE, Hydraulic
32	2860266SM	1	CLAMP, Hose, Worm
33	1715981SM	1	EXPANSION TANK, Hydraulic -Part from ZTR - one hose system.
34	1719854SM	1	DECAL, Expansion Tank Cover
35	1931317SM	3	CARRIAGE BOLT, 1/4-20 x 3/4
36	1921319SM	3	WASHER, 1/4
37	1920397SM	3	NUT, Hex Nylon Lock, 1/4-20
38	1719149SM	1	ROD, Brake
39	1919326SM	1	WASHER, 5/16
40	1918447SM	1	PIN, Cotter, 3/32 x 3/4
41	1719151SM	1	ARM, Brake
42	1929528SM	1	CAPSCREW, Hex Head, 1/2-20 x 1
43	1930245SM	1	NUT, Hex Center Lock, 1/2-20
44	2164094SM	1	GUIDE ASSEMBLY, Rod
45	1666697SM	1	SPACER
46	1935048SM	1	NUT, Hex Head, Whiz Lock, 5/16-18
47	1719150SM	1	SPRING, Compression
48	2106681SM	1	SPRING, Extension

Transmission Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693504



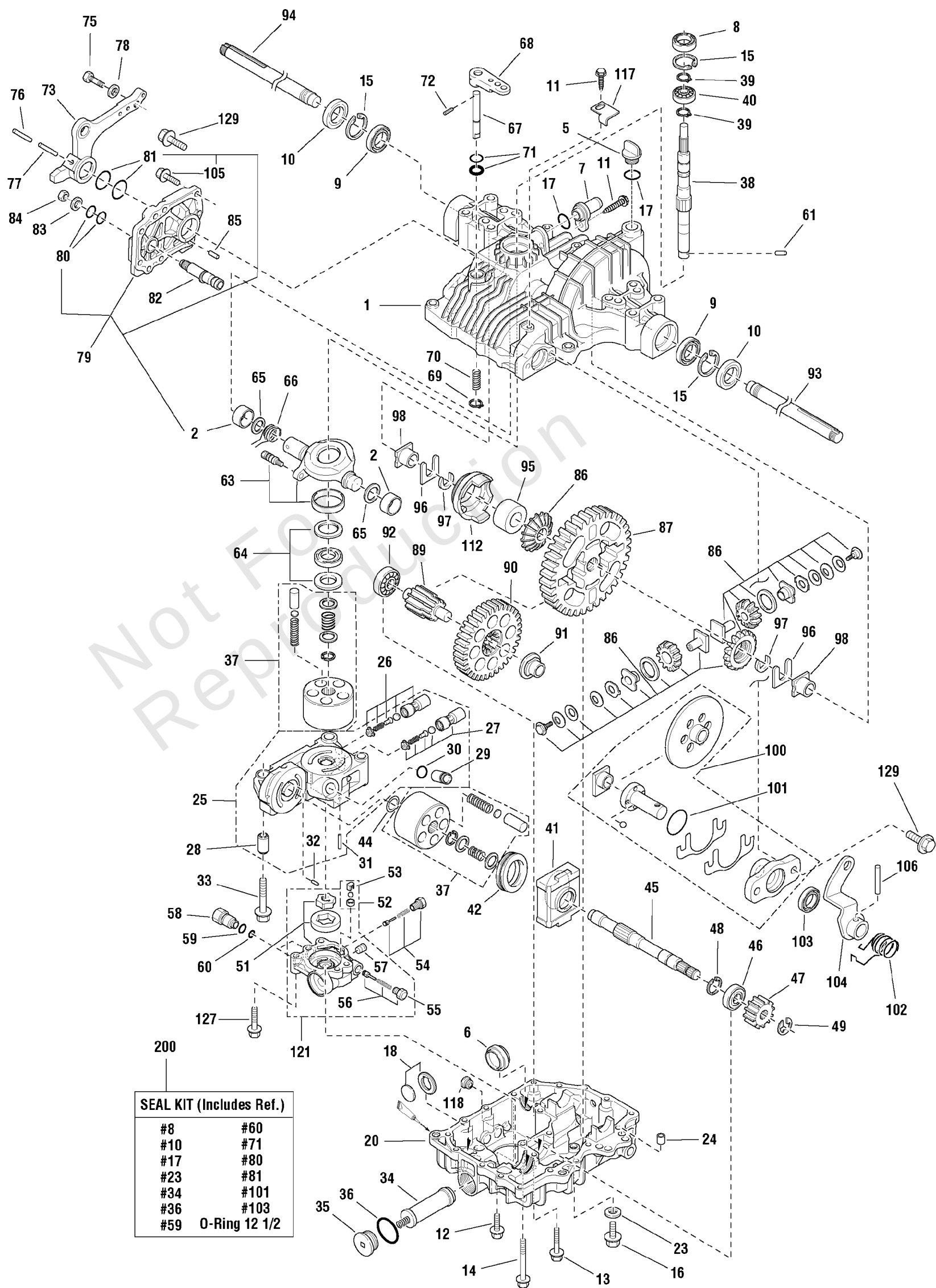
Transmission Group

REF NO	PART NO	QTY	DESCRIPTION
49	1919438SM	1	NUT, Hex Nylon Lock, 5/16-18
50	1719173SM	1	BELT GUIDE, Wireform
51	1921332SM	2	CAPSCREW, Hex Head, 5/16-18 X 3/4
52	1931277SM	2	NUT, Hex Whiz Lock, 5/16-18
53	1960518SM	3	NUT, Push
54	1922837SM	1	CAPSCREW, Hex Head, 1/4-20 x 1-1/2
55	1930641SM	2	NUT, Hex Flange Whiz Lock, 1/4-20
56	1917356SM	2	WASHER, Lock, 5/16
57	1729280SM	10	BOLT, Hub, Rear Wheel
58	1719177SM	1	ROD, Shift
59	1960223SM	1	BOLT-RD HD SH SQ NK 5
60	1960141SM	2	WASHER, 5/16
61	1917372SM	1	NUT, Hex, 5/16-18
62	1675481SM	1	SPACER, 21/64 x 9/16 x 5/16
63	1719916SM	1	CLAMP, Large Hose, 1.0 Dia. (Early Models)

Transmission SERVICE PARTS - Tuff Torq K71G (1719722)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693504



Transmission SERVICE PARTS - Tuff Torq K71G (1719722)

REF NO	PART NO	QTY	DESCRIPTION
1	1723764SM	1	CASE SET, (K71J Only, See Ref. No. 20 for K71G)
2	1720757SM	2	BEARING, 28 x 15
5	1720760SM	1	CAP, Oil, 20
6	1720761SM	1	FILTER
7	1720762SM	1	FITTING
8	1720782SM	1	SEAL
9	1720783SM	2	BEARING
10	1720784SM	2	SEAL
11	1720785SM	1	SCREW, Tapping, 8 x 25
12	1707789SM	18	*SCREW, Tapping
13	-----	1	*SCREW, Tapping, 8 x 45
14	1718226SM	2	BOLT, 8 x 75"
15	1720787SM	3	RING, 47
16	1720788SM	2	BOLT, 10 x 12
17	1707786SM	2	PACKING, P18
18	1718065SM	1	MAGNET, Complete
20	1720793	1	CASE SET (B)
23	1720796SM	1	WASHER, Seal 10
24	1720797SM	2	PIPE, 13 x 11.3
25	-----	1	*CENTER CASE, Complete
26	-----	1	*VALVE, (A-1 SET)
27	-----	2	*VALVE, (A-2 SET)
28	1720801SM	2	KNOCK PIN, 15.5 x 30
29	1720802SM	1	PLUG, 16 x 25
30	1720803SM	1	PACKING
31	-----	2	*PIN, 8 x 14
32	1718070SM	1	PIN, 3 x 9.8
33	1720805SM	3	BOLT, 10 x 75
34	1719832SM	1	FILTER
35	1720807SM	1	CAP, (M40)
36	1720808SM	1	PACKING
37	-----	2	*CYLINDER BLOCK, Complete
38	1723782SM	1	PUMP SHAFT
39	1720811SM	2	RING, 17
40	1720812SM	1	BEARING, 6303
41	-----	1	*HOUSING
42	-----	1	*BEARING, 51207
44	1720817SM	1	WASHER, 18 x 31 x 1
45	-----	1	*SHAFT MOTOR
46	1720819SM	1	BEARING 6004 SH2 U
47	-----	1	*MOTOR GEAR
48	-----	1	*RING, Snap, 20
49	1718076SM	1	RING, E15
51	-----	1	*PUMP CASE, Complete
52	-----	1	*3RD CHECK, Complete
53	-----	1	*HOLDER, (SEAT)
54	-----	1	*VALVE, (IMP COMPLETE)
55	-----	2	*PLUG

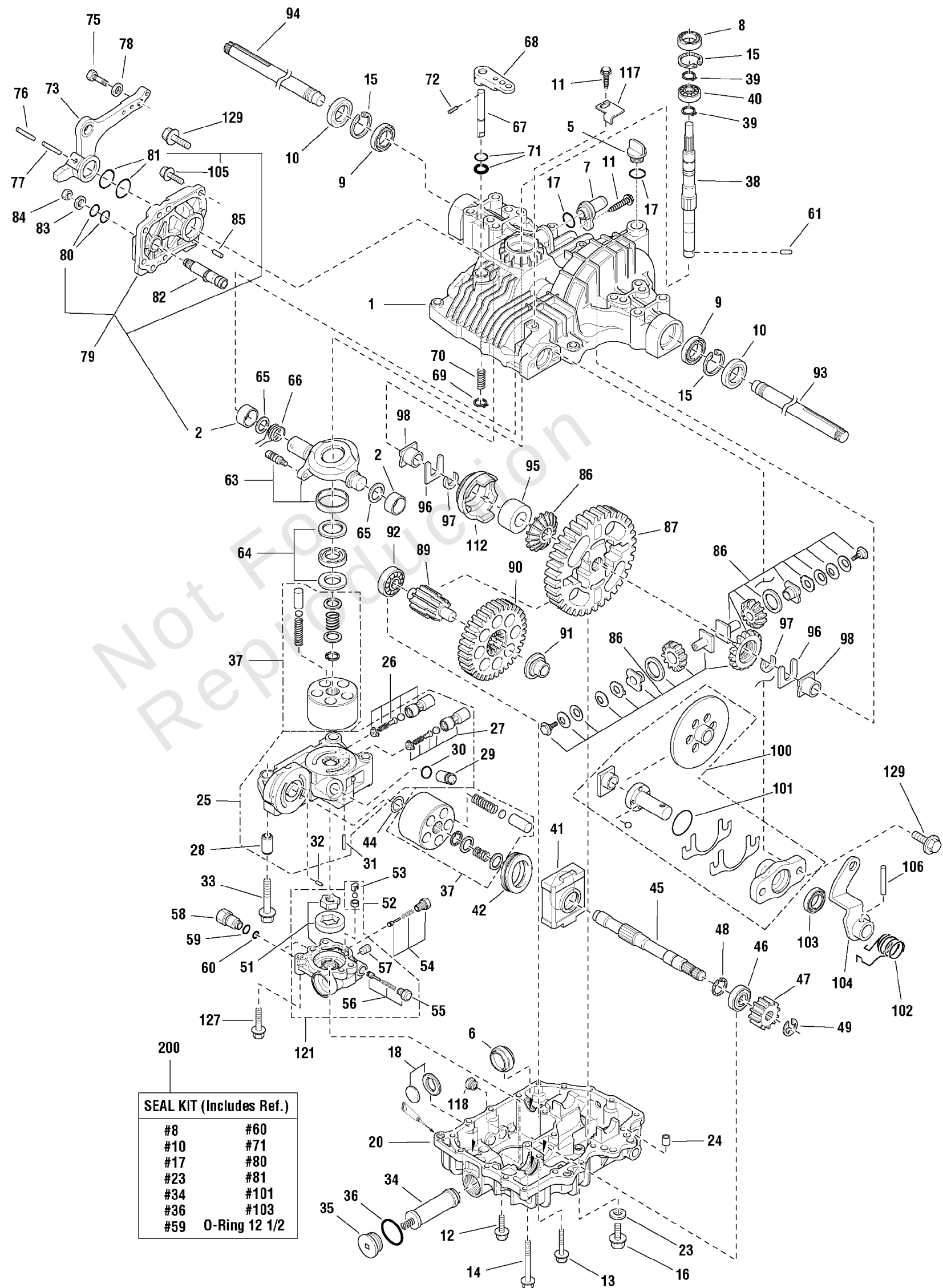
Footnotes:

Note:* See your local authorized dealership for parts and warranty or contact Tuff Torq at www.tufftorqservices.com (U.S. 1-866-572-3441 Int'l 01-423-585-1977)

Transmission SERVICE PARTS - Tuff Torq K71G (1719722)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693504



Transmission SERVICE PARTS - Tuff Torq K71G (1719722)

REF NO	PART NO	QTY	DESCRIPTION
56	-----	1	*VALVE, (Charge Complete)
57	1708665SM	1	PLUG, PT 1/8
58	1720829SM	2	CONNECTOR
59	1707785SM	2	PACKING, P16
60	1720831SM	2	PACKING, 6.1
61	1720832SM	1	PIN, 3.2 x 21
63	-----	1	*SWASH PLATE, Complete
64	-----	1	*BEARING, Complete
65	-----	2	*WASHER
66	-----	1	*SPRING (N/C)
67	-----	1	*SHAFT (BYPASS)
68	-----	1	*LEVER (BYPASS)
69	1718061SM	1	RING
70	1725730SM	1	SPRING
71	1708691SM	2	O-RING, 1A P10A
72	1707839SM	1	PIN, 3.0A*20
73	1720840SM	1	CONTROL LEVER
75	1720841SM	1	BOLT
76	1720842SM	1	PIN, 6.0A x 50
77	1720843SM	1	PIN, 3.5A x 50
78	-----	1	*WASHER, 10
79	1723784SM	1	SIDE COVER SET -(Includes Ref. Nos. 2, 80 & 81)
80	1707879SM	2	PACKING, P14
81	1720846SM	2	PACKING, P28
82	-----	1	*FULCRUM, (ECCENT)
83	1708689SM	1	WASHER
84	1708692SM	1	NUT 12
85	-----	2	*PIN, 8 x 16
86	1723796SM	2	DIFF GEAR KIT
87	-----	1	*FINAL GEAR
89	-----	1	*SHAFT, (F PINION)
90	-----	1	*REDUCTION GEAR
91	-----	1	*BUSHING, 15
92	-----	1	*BEARING, 6203SH2
93	1720855SM	1	AXLE SHAFT, Left
94	-----	1	*AXLE SHAFT, Right
95	-----	1	*COLLAR, (Diff. Lock)
96	1720858SM	2	THRUST WASHER
97	1720859SM	2	RING
98	-----	2	*BUSHING
100	1720862SM	1	BRAKE KIT
101	-----	1	*PACKING, G35
102	1720864SM	1	SP, (RETURN)
103	1720865SM	1	SEAL, TC173007
104	-----	1	*ARM, (BRAKE)
105	-----	1	BOLT, 8 x 35
106	1718100SM	1	PIN, 6.0A x 4.0
112	-----	1	*SLIDER, (Diff. Lock)

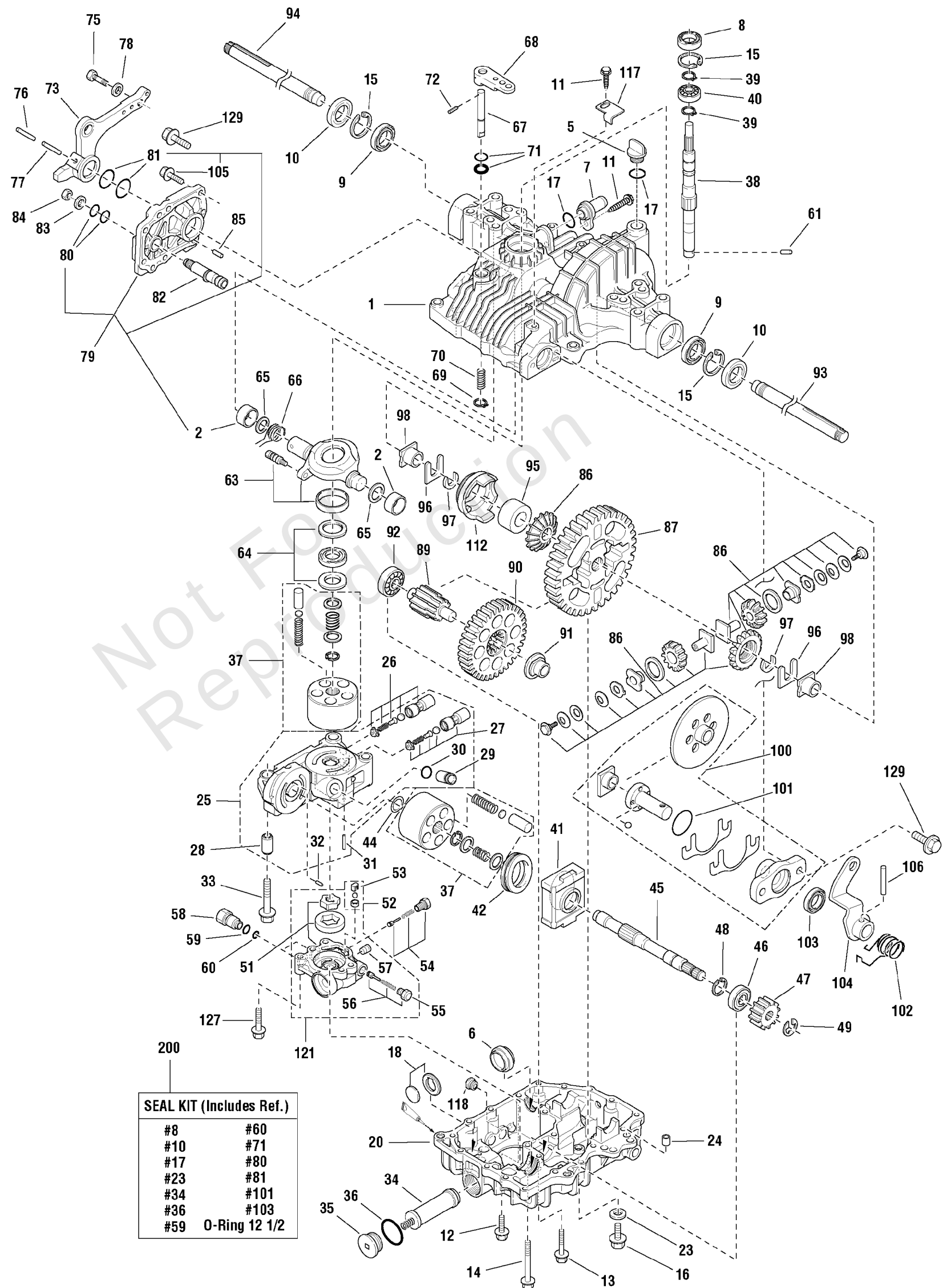
Footnotes:

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Transmission SERVICE PARTS - Tuff Torq K71G (1719722)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693504



Transmission SERVICE PARTS - Tuff Torq K71G (1719722)

REF NO	PART NO	QTY	DESCRIPTION
117	-----	1	*STOPPER, Brake
118	-----	2	*BORE PLUG
121	1720822SM	1	PUMP CASE S/A
127	1720833SM	3	BOLT, 8 x 45
129	1720867SM	2	BOLT, 8 x 25
200	1727539SM	1	SEAL KIT, K71H, E, J, L
201	-----	1	*KIT, Repair -(Includes Ref. Nos. 25, 37 & 200)

Not For
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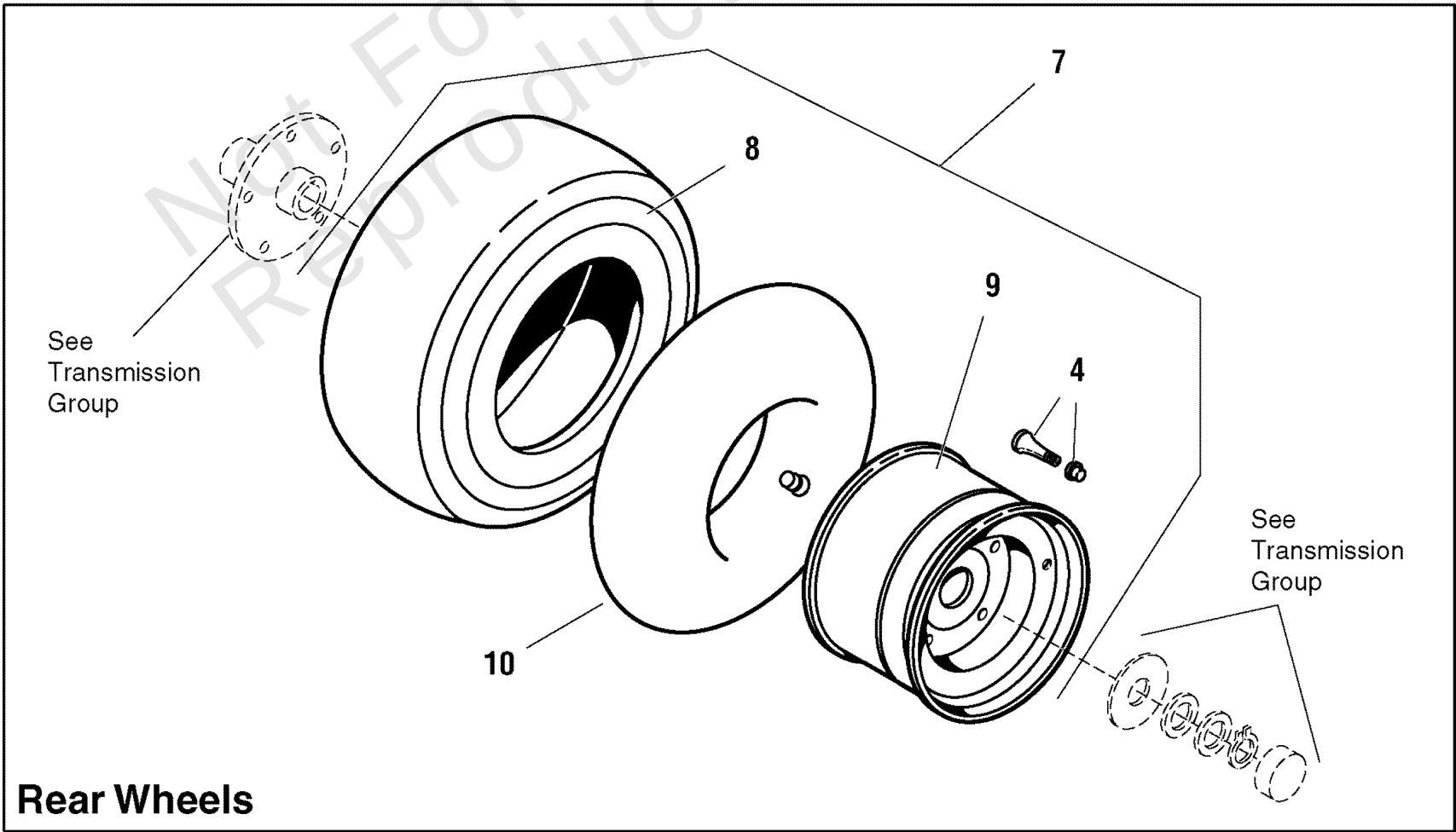
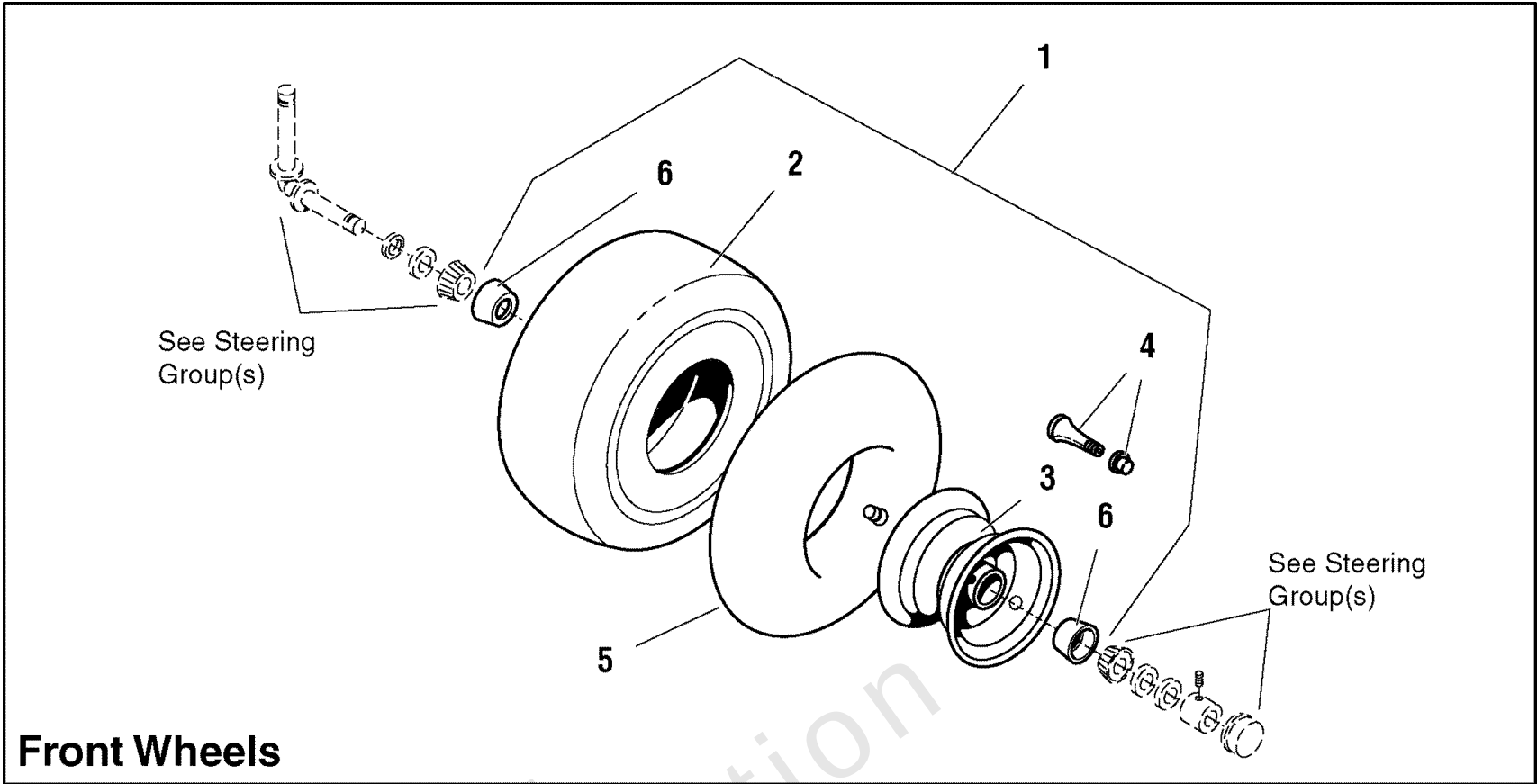
Footnotes:

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Wheels & Tires Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693504



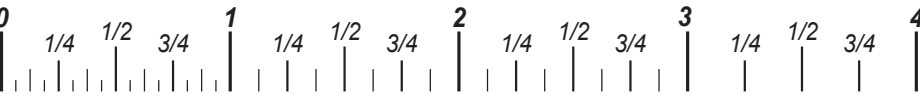
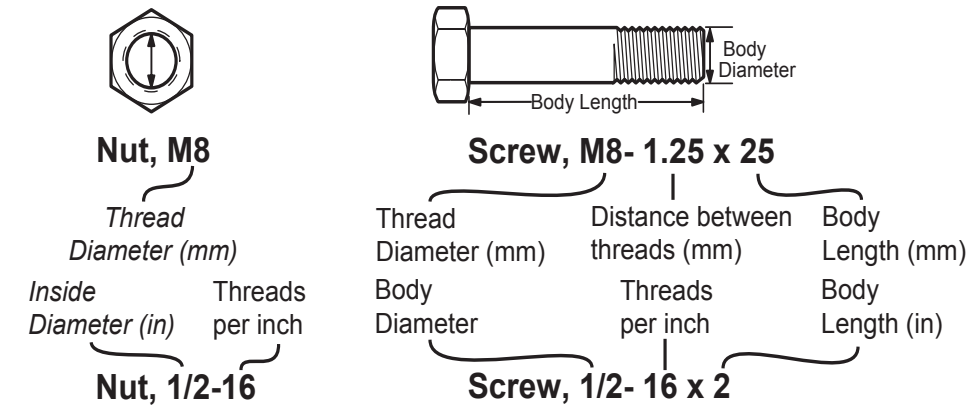
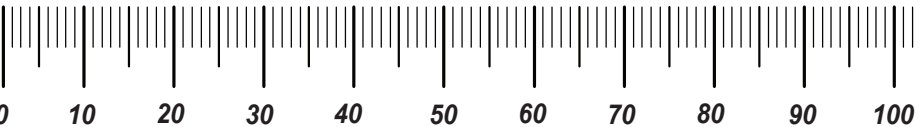
Wheels & Tires Group

REF NO	PART NO	QTY	DESCRIPTION
1	1713060	2	FRONT WHEEL & TIRE ASSEMBLY, Metallic Gray, 16 x 6.50-8 (Includes Ref. Nos. 2, 3, 4, & 6)
2	1709959SM	2	TIRE, Front, 16 x 6.50 - 8, Multi-Trac
3	1713177SM	2	WHEEL, Front (Includes 2 of Ref. No. 6)
4	2172353SM	4	VALVE STEM
5	2164247SM	2	TUBE, (Not Standard), Front
6	2154393SM	2	BEARING CUP, Front
7	1713062SM	2	REAR WHEEL & TIRE ASSEMBLY, Metallic Gray, 23 x 10.50-12 (Includes Ref. Nos. 4, 8 & 9)
8	1709969SM	2	TIRE, Rear, 23 x 10.50 - 12, Multi-Trac
9	1713174SM	2	WHEEL, Rear
10	2157638SM	2	TUBE, (Not Standard), Rear

Hardware Identification & Torque Specifications

Torque Specification Chart								
FOR STANDARD METRIC MACHINE HARDWARE (Tolerance ± 20%)								
Property Class	 Class 5.6		 Class 8.8		 Class 10.9		 Class 12.9	
Size Of Hardware	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
M3	5.88	.56	13.44	1.28	19.2	1.80	22.92	2.15
M4	13.44	1.28	30.72	2.90	43.44	4.10	52.56	4.95
M5	26.4	2.50	60.96	5.75	5.97	8.10	7.15	9.7
M6	44.64	4.3	7.3	9.9	10.3	14	12.1	16.5
M7	5.2	7.1	12.1	16.5	16.9	23	19.9	27
M8	7.7	10.5	17.7	24	25	34	29	40
M10	15	21	35	48	50	67	59	81
M12	26	36	61	83	86.2	117	103	140
M14	42	58	101	132	136	185	162	220
M16	64	88	147	200	210	285	250	340
M18	89	121	202	275	287	390	346	470
M20	126	171	290	390	405	550	486	660
M22	169	230	390	530	559	745	656	890
M24	217	295	497	375	708	960	840	1140
M27	320	435	733	995	1032	1400	1239	1680
M30	435	590	995	1350	1401	1900	1681	2280
M33	590	800	1349	1830	1902	2580	2278	3090
M36	759	1030	1740	2360	2441	3310	2935	3980
M39	988	1340	2249	3050	3163	4290	3798	5150

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



Standard Hardware Sizing

When a washer or nut is identified as 1/2" (M8), this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch (8mm metric thread diameter); if a second number is present it represents the *threads per inch* (distance between threads).

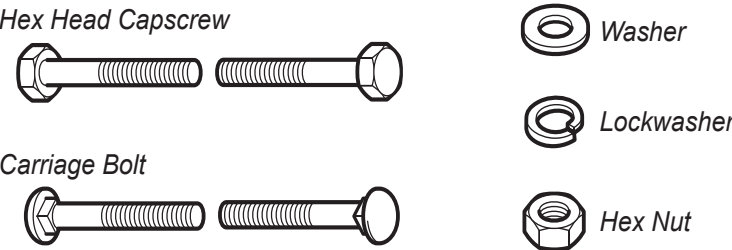
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw, 2 inches (50mm).

Torque Specification Chart						
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)						
Hardware Grade	 SAE Grade 2		 SAE Grade 5		 SAE Grade 8	
Size Of Hardware	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	29	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.

Common Hardware Types



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"
M6 Bolt or Nut Wrench—10mm	M8 Bolt or Nut Wrench—13mm	M10 Bolt or Nut Wrench—17mm	M12 Bolt or Nut Wrench—19mm	M14 Bolt or Nut Wrench—22mm

