



Parts Manual

Mfg. No: 1600337

HOMELITE T-16 H, 16HP Tractor

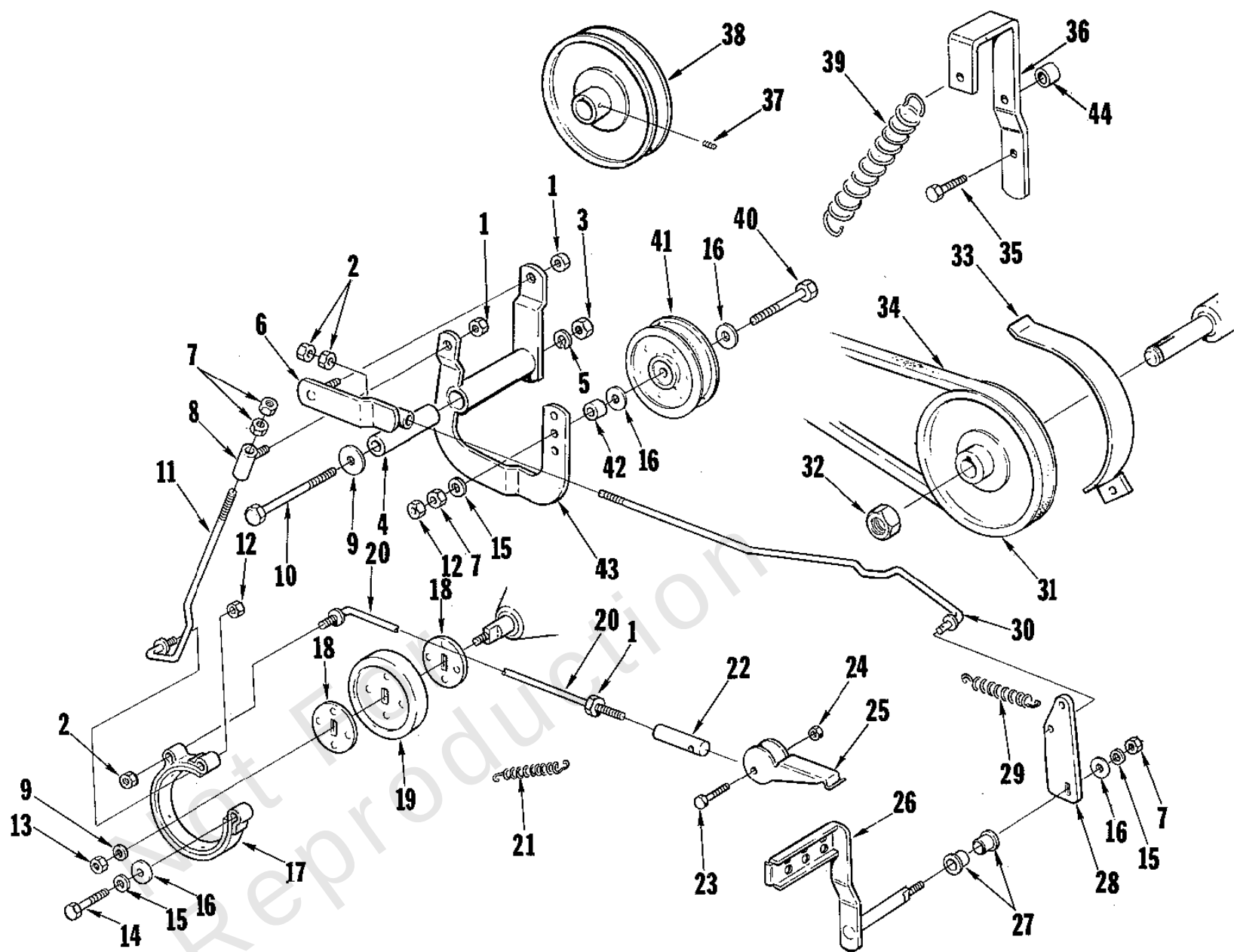
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Clutch & Brake Group (3859/12)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1600337



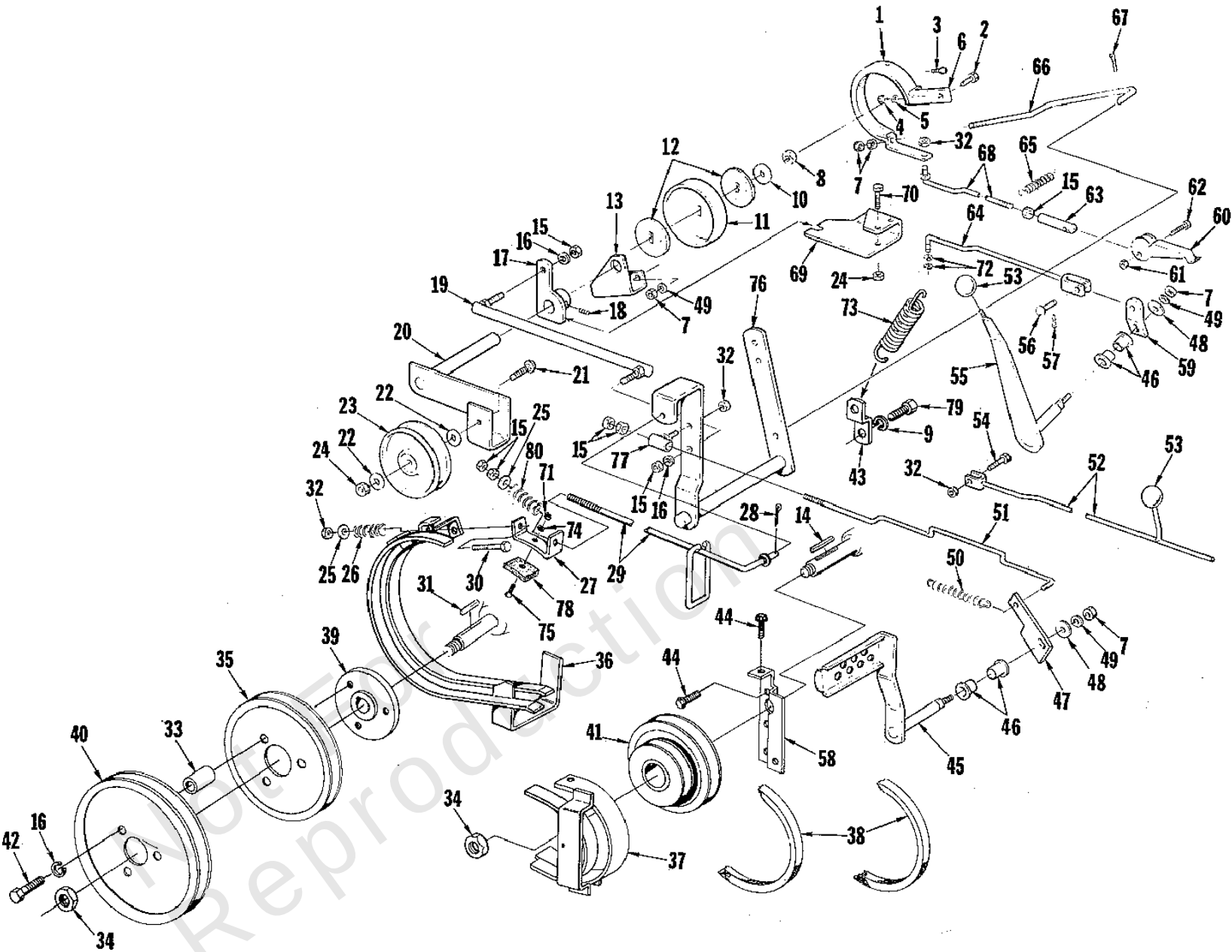
Clutch & Brake Group (3859/12)

REF NO	PART NO	QTY	DESCRIPTION
1	LM-09233-62	3	NUT, Hex Lock, 5/16-18
2	LM-09173-72	3	NUT, Hex Fin, 5/16-18
3	LM-09182-13	1	NUT, Hex Fin, 7/16-14
4	LM-01661-30	1	SPACER
5	LM-09181-99	1	WASHER, Lock, 7/16
6	LM-01661-57	1	GUIDE ASSEMBLY, Rod
7	LM-09169-50	4	NUT, Hex Fin, 3/8-16
8	LM-16035-62	1	GUIDE ASSEMBLY, Rod
9	LM-09184-30	2	WASHER, Flat, 7/16
10	LM-09193-67	1	SCREW, Hex Head Cap, 7/16-14 x 3-3/4
11	LM-01724-60	1	ROD ASSEMBLY, Brake
12	LM-09234-28	2	NUT, Hex Lock Fin, 3/8-16
13	LM-09240-58	1	NUT, Hex Lock 7/16-14
14	LM-09193-61	1	SCREW, Hex Head Cap, 3/8-16 x 1-3/4
15	LM-09169-65	3	WASHER, Lock, 3/8
16	LM-09173-78	4	WASHER, Flat, 3/8
17	LM-01722-34	1	BAND ASSEMBLY, Brake
18	LM-01581-96	2	WASHER, Special
19	LM-01661-76	1	DRUM, Brake
20	LM-16068-17	1	ROD ASSEMBLY, Parking Brake
21	LM-01210-37	1	SPRING
22	LM-01719-94	1	ROD, End
23	LM-09287-45	1	SCREW, Hex Head Cap, 1/4-20 x 1-1/4
24	LM-09233-58	1	NUT, Hex Lock, 1/4-20
25	LM-01721-08	1	LEVER, Parking Brake
26	LM-01711-78	1	PEDAL ASSEMBLY, Foot
27	LM-16104-56	2	BUSHING, Flanged
28	LM-16064-77	1	ARM, Foot Pedal
29	LM-01591-06	1	SPRING, Brake Pedal
30	LM-16064-78	1	ROD, Clutch & Brake
31	LM-16062-06	1	PULLEY, Driver
32	LM-16070-21	1	NUT, Jam Lock, 3/4-16
33	LM-16074-57	1	RETAINER ASSEMBLY, Belt
34	LM-16029-69	1	BELT, Hydrostatic Drive
35	LM-09286-96	2	SCREW, Tapping (Taptite), 3/8-16 x 1
36	LM-16082-50	1	BRACKET, Spring
37	LM-09117-12	1	SETSCREW, 5/16-18 x 5/16
38	LM-01661-73	1	PULLEY, Driven
39	LM-16083-95	1	SPRING, Idler Pulley
40	LM-09193-62	1	SCREW, Hex Head Cap, 3/8-16 x 2-1/4
41	LM-16035-15	1	PULLEY, Idler
42	LM-01570-81	1	SPACER
43	LM-01661-26	1	LEVER ASSEMBLY, Idler
44	LM-16104-04	1	SPACER

Clutch, Brake & Dual Range Group (3859/13)

Note: Unless noted otherwise, use the standard torque specifications

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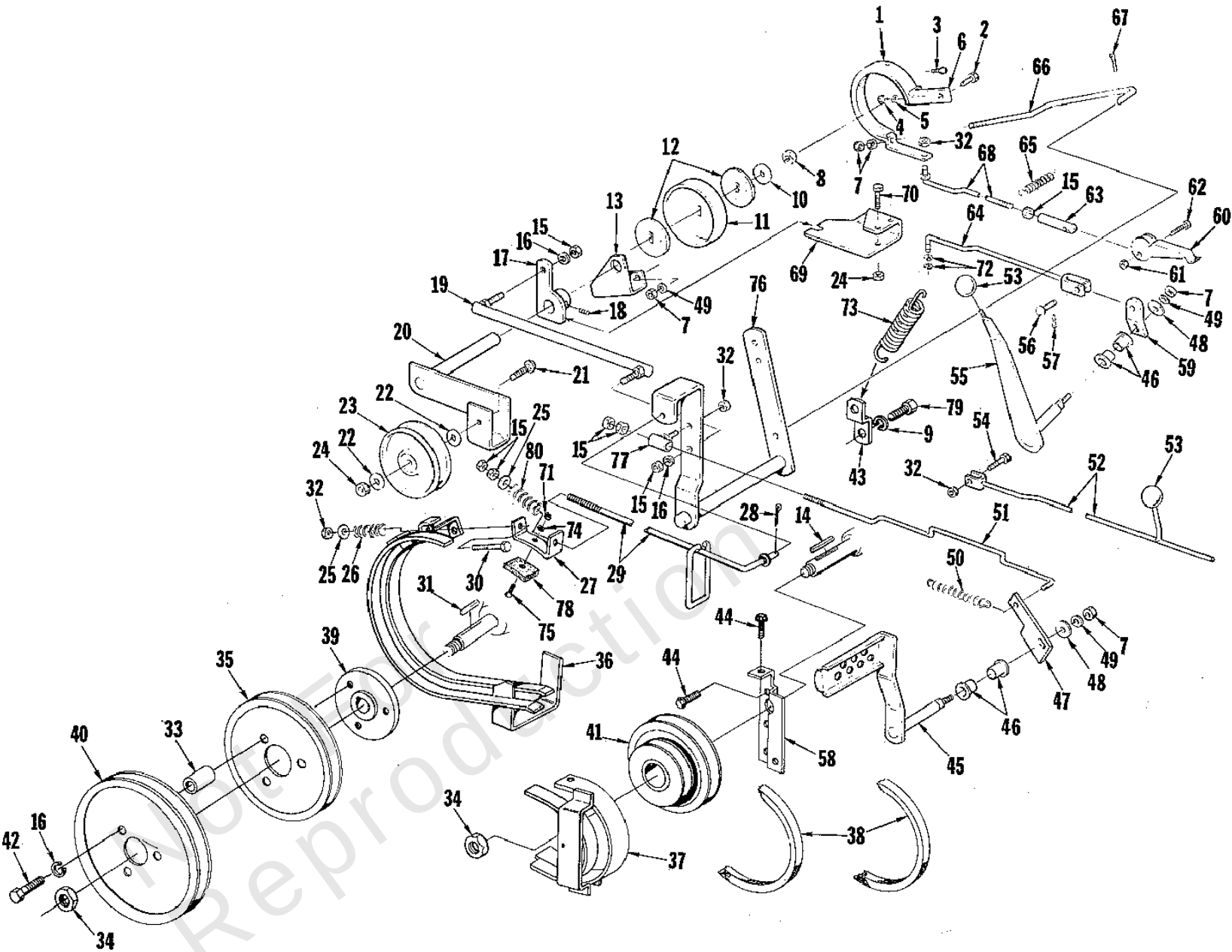
Clutch, Brake & Dual Range Group (3859/13)

REF NO	PART NO	QTY	DESCRIPTION
1	LM-01714-97	1	BAND ASSEMBLY, Brake
2	LM-09174-00	2	SCREW, Hex Head Cap, 3/8-16 x 1-1/4
3	LM-09160-19	2	SCREW, Hex Head Cap, 1/4-20 x 3/4
4	LM-09166-22	2	NUT, Hex Fin, 1/4-20
5	LM-09169-64	2	WASHER, Lock, 1/4
6	LM-01641-13	1	BRACKET, Brake Hand
7	LM-09169-50	6	NUT, Hex Fin, 3/8-16
8	LM-09240-58	1	NUT, Lock, 7/16-14
9	LM-09181-99	1	WASHER, Lock
10	LM-09184-30	1	WASHER, Flat, 5/16
11	LM-01572-82	1	DRUM, Brake
12	LM-01581-96	2	WASHER, Special
13	LM-16070-27	1	BEARING, Idler Pivot
14	LM-09051-21	1	KEY, Woodruff, #5
15	LM-09173-72	7	NUT, Hex Fin, 5/16-18
16	LM-09173-56	5	WASHER, Lock, 5/16
17	LM-16070-26	1	LEVER ASSEMBLY, Cam Shaft
18	LM-09057-59	1	SETSCREW, Hex Socket, 1/4-20 x 1/4
19	LM-16065-68	1	JOINT, Ball, Double End
20	LM-16070-25	1	ARM ASSEMBLY, Idler
21	LM-09232-32	1	CARRIAGE BOLT, 3/8-16 x 1
22	LM-09246-07	2	WASHER, Flat
23	LM-16065-54	1	PULLEY
24	LM-09234-28	2	NUT, Hex Lock, 3/8-16
25	LM-09176-42	1	WASHER, Flat
26	LM-16107-03	1	SPRING
27	LM-16105-90	1	BRAKE, Sheave
28	LM-09193-13	1	PIN, Cotter
29	LM-16086-21	1	ROD, Pulley Brake
30	LM-09193-55	1	SCREW, Hex Head Cap, 5/16-18 x 2-1/2
31	LM-09051-23	1	KEY, Hi-Pro
32	LM-09233-62	4	NUT, Hex Lock, 5/16-18
33	LM-16083-10	3	SPACER
34	LM-16070-21	2	NUT, Lock Jam, 3/4-16
35	LM-16081-22	1	SHEAVE
36	LM-16081-27	1	RETAINER ASSEMBLY, Rear
37	LM-16083-08	1	RETAINER ASSEMBLY, Belt
38	LM-16079-67	2	BELT, "V", Dual Range Drive
39	LM-16083-09	1	HUB, Pulley
40	LM-16081-23	1	SHEAVE
41	LM-16083-22	1	PULLEY, Front
42	LM-09193-54	3	SCREW, Hex 5/16-18 x 2
43	LM-01748-93	1	CLIP, Spring
44	LM-09248-56	3	SCREW, Hex Washer, 5/16-18 x 1/2
45	LM-01711-78	1	PEDAL ASSEMBLY, Foot
46	LM-16104-56	4	BUSHING, Flanged
47	LM-16064-77	1	ARM, Foot Pedal
48	LM-09173-78	2	WASHER, 3/8
49	LM-09169-65	4	WASHER, Lock, 3/8
50	LM-01591-06	1	SPRING, Brake Pedal
51	LM-16064-78	1	ROD, Clutch & Brake

Clutch, Brake & Dual Range Group (3859/13)

Note: Unless noted otherwise, use the standard torque specifications

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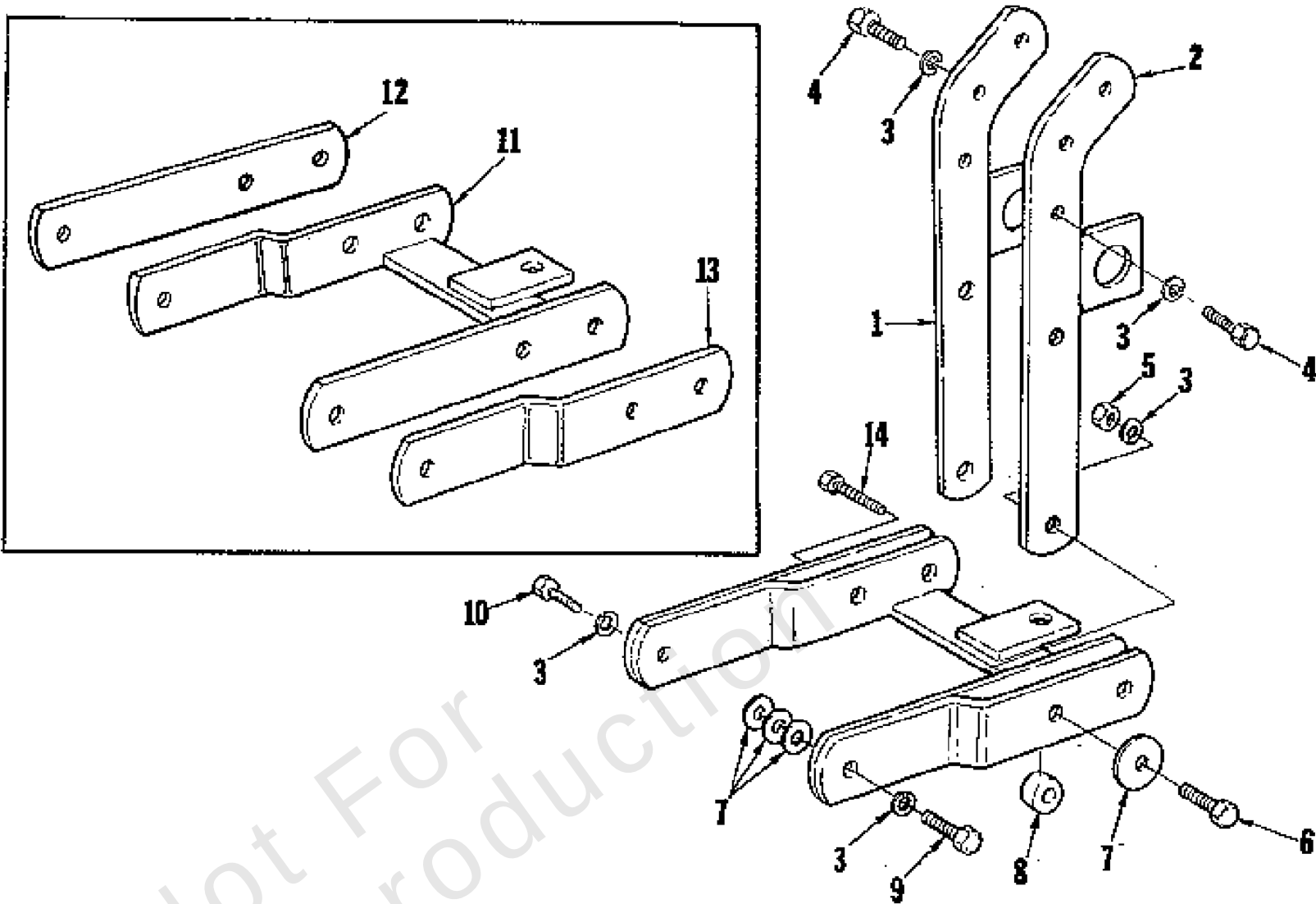
Clutch, Brake & Dual Range Group (3859/13)

REF NO	PART NO	QTY	DESCRIPTION
52	LM-16064-49	1	ROD, Shift Assembly
53	LM-16010-42	2	BALL, Shift Lever
54	LM-09261-50	1	SCREW, Hex Head Cap
55	LM-16066-12	1	LEVER ASSEMBLY
56	LM-16087-02	1	PIN
57	LM-09184-47	1	PIN, Cotter
58	LM-16083-04	1	SUPPORT, Belt Retainer
59	LM-16065-48	1	LINK, Speed Control
60	LM-01721-08	1	LEVER, Parking Brake
61	LM-09233-58	1	NUT, Hex Lock, 1/4-20
62	LM-09287-45	1	SCREW, Hex Head Cap, 1/4-20 x 1-1/4
63	LM-01719-94	1	END, Rod
64	LM-16066-15	1	ROD ASSEMBLY, Control
65	LM-01210-37	1	SPRING
66	LM-01641-89	1	ROD, Brake
67	LM-09184-48	1	PIN, Cotter
68	LM-16069-03	1	ROD ASSEMBLY, Parking Brake
69	LM-16065-67	1	FORK, Shift
70	LM-09174-02	1	SCREW, Hex Head Cap, 3/8-16 x 2
71	LM-09166-21	1	NUT, Hex, 10-24
72	LM-16027-35	2	RING, "E", External
73	LM-01748-96	1	SPRING, Tension
74	LM-09173-65	1	WASHER, Lock, #10
75	LM-09262-67	1	SCREW, Flat, 10-24 x 5/8
76	LM-16083-17	1	LEVER ASSEMBLY, Pivot
77	LM-16043-19	1	GUIDE ASSEMBLY, Rod
78	LM-16079-43	1	STRAP, Pulley Brake
79	LM-09206-77	1	SCREW, Hex Head Cap, 7/16-14 x 1-1/4
80	LM-01570-41	1	SPRING

Draw Bar Group (3859I01)

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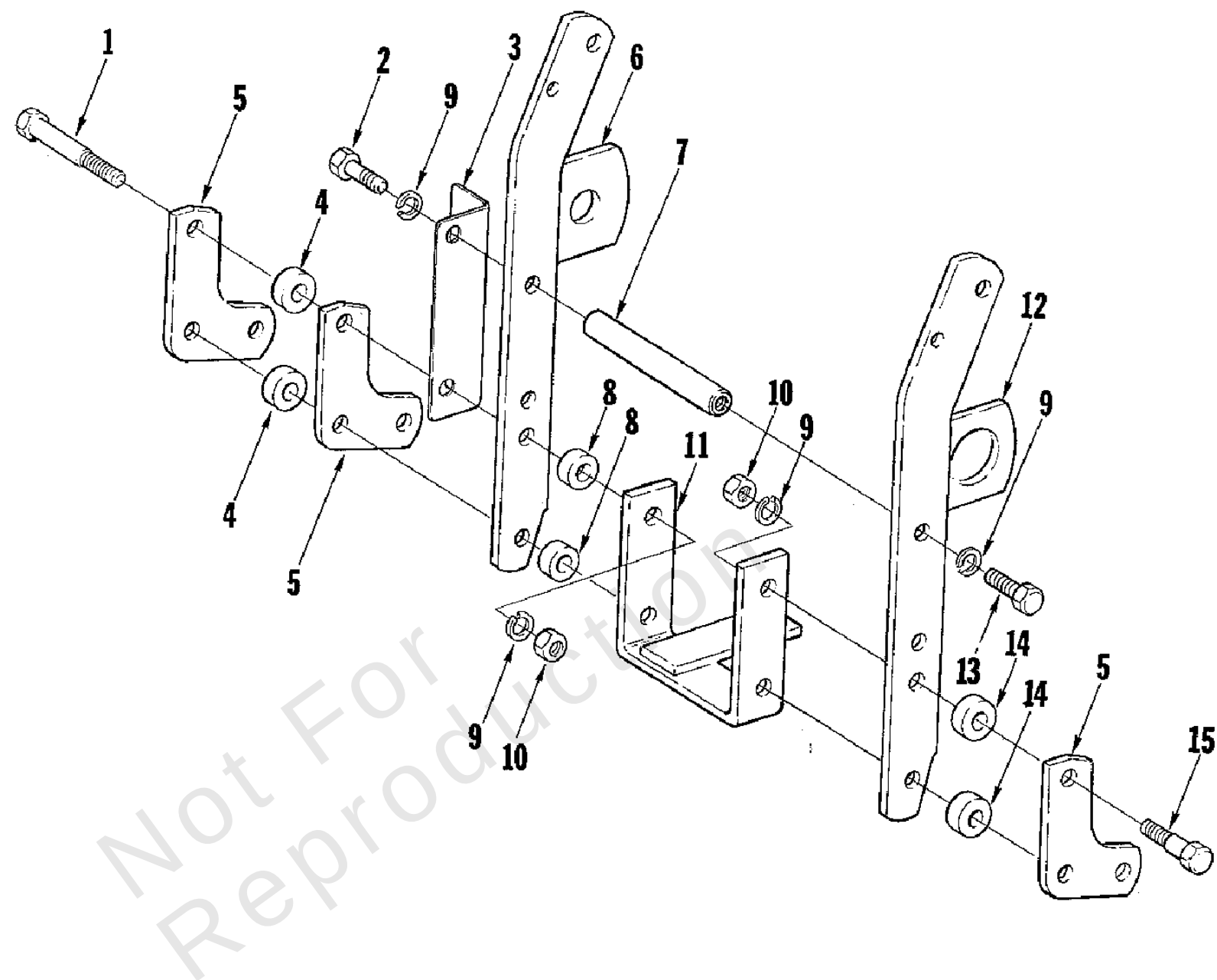
Draw Bar Group (3859I01)

REF NO	PART NO	QTY	DESCRIPTION
1	LM-01643-04	1	ARM ASSEMBLY, L.H.
2	LM-01642-84	1	ARM ASSEMBLY, R.H.
3	LM-09181-99	8	WASHER, Lock
4	LM-09182-12	4	SCREW, Hex Head Cap
5	LM-09182-13	2	NUT, Hex
6	LM-09166-09	1	SCREW, Hex Head Cap, 7/16-14 x 1-3/4
7	LM-09184-30	7	WASHER, Flat
8	LM-01660-76	2	SPACER
9	LM-09166-08	1	SCREW, Hex Head Cap, 7/16-14 x 1-1/2
10	LM-09164-32	1	SCREW, Hex Head Cap, 7/16-14 x 1-1/4
11	LM-16066-36	1	DRAWBAR ASSEMBLY
12	LM-01570-91	1	BAR, Pull
13	LM-01542-03	1	BAR, Draw
14	LM-09174-03	1	SCREW, Hex, 7/16-14 x 2

Draw Bar Group (3859/17)

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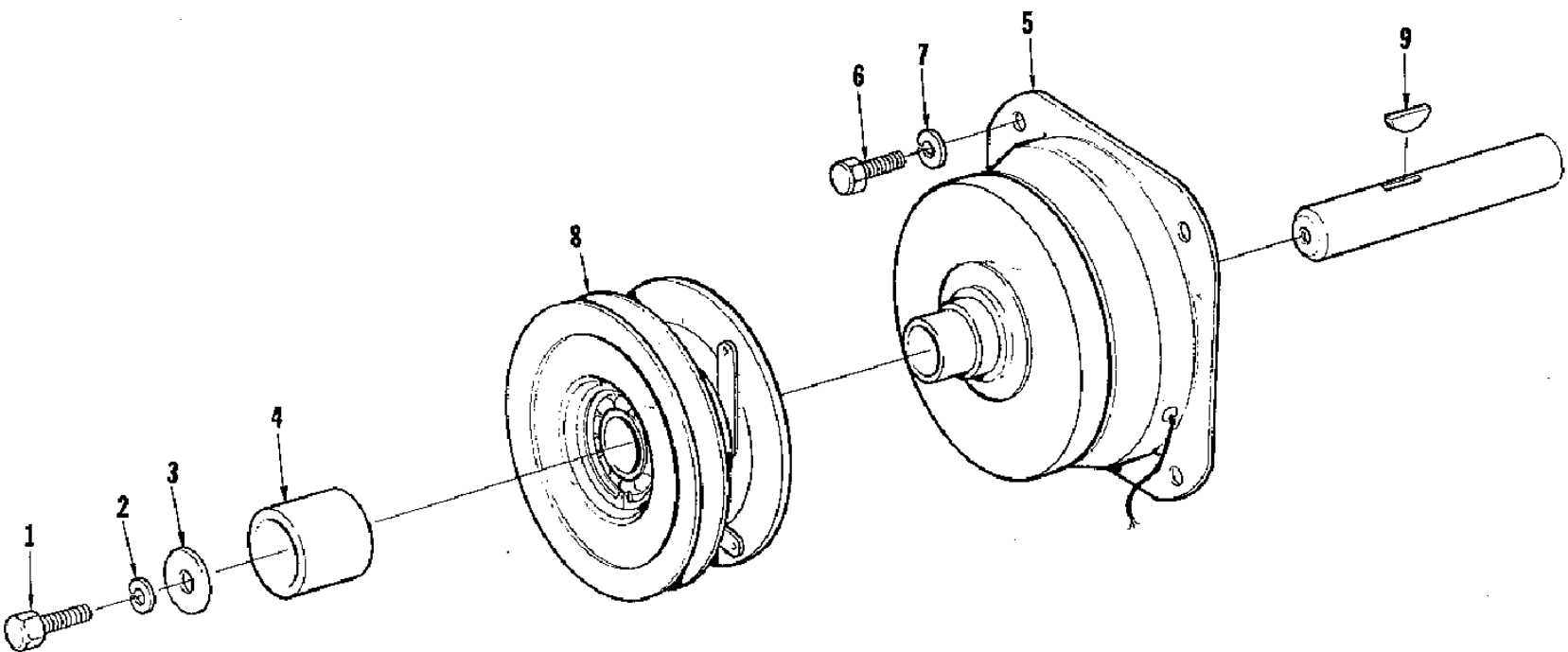
Draw Bar Group (3859/17)

REF NO	PART NO	QTY	DESCRIPTION
1	LM-09193-65	2	SCREW, Hex Head Cap, 7/16-14 x 3
2	LM-09166-09	1	SCREW, Hex Head Cap, 7/16-14 x 1-3/4
3	LM-01661-98	1	PLATE, Decal
4	LM-01660-76	2	SPACER
5	LM-01660-75	3	PLATE, Draw
6	LM-01662-06	1	BAR ASSEMBLY, Upright
7	LM-01661-10	1	SPACER
8	LM-16066-41	2	SPACER
9	LM-09181-99	6	WASHER, Lock, 7/16
10	LM-09182-13	4	NUT, Hex, 7/16-14
11	LM-16066-38	1	DRAWBAR ASSEMBLY
12	LM-01660-72	1	BAR ASSEMBLY, Upright
13	LM-09164-32	1	SCREW, Hex Head Cap, 5/16-14 x 1-1/4
14	LM-16066-42	2	SPACER
15	LM-09193-64	2	SCREW, Hex Head Cap, 7/16-14 x 2-1/4

Electric Front PTO Group (3859I04)

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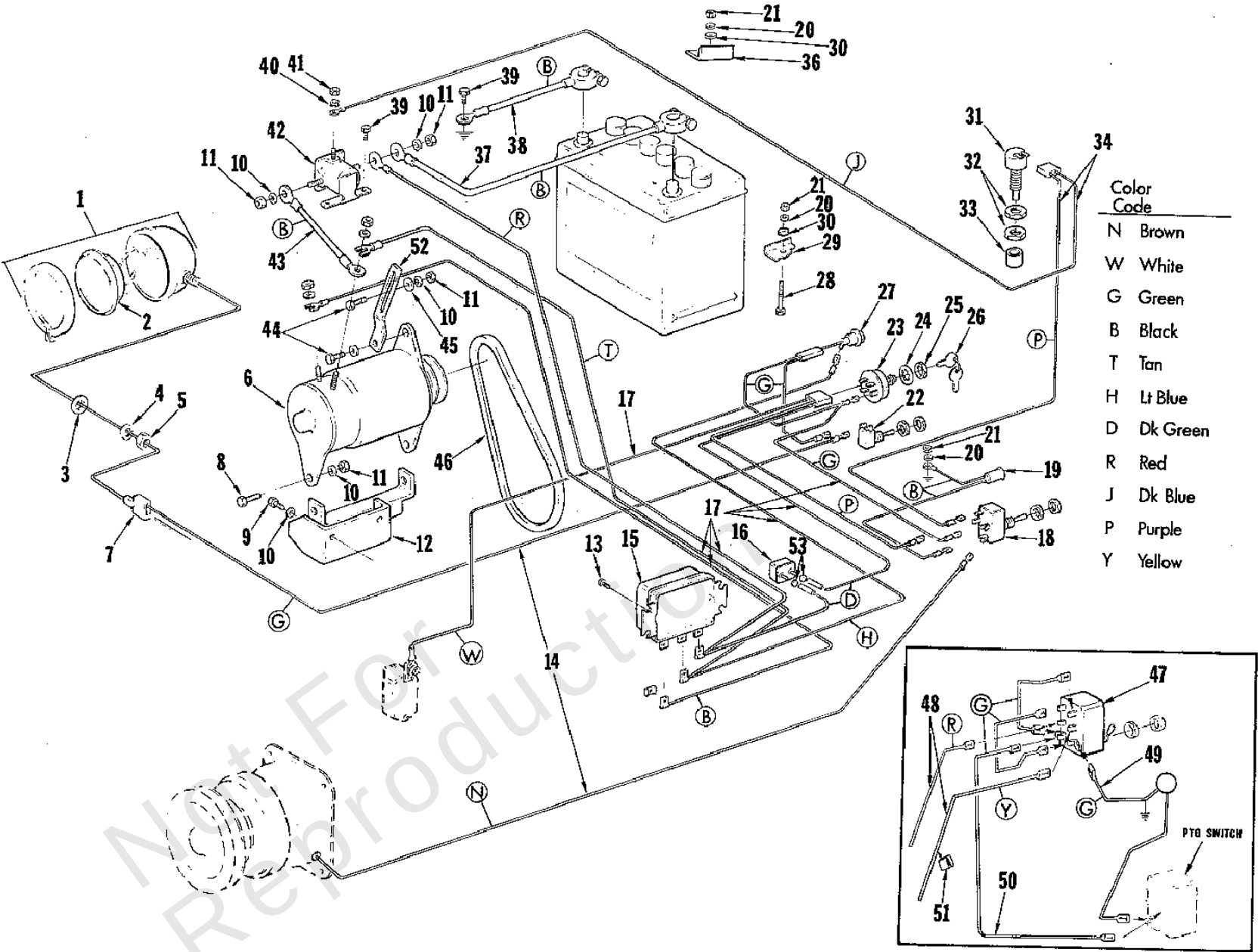
Electric Front PTO Group (3859I04)

REF NO	PART NO	QTY	DESCRIPTION
1	LM-09174-07	1	SCREW, Hex Head Cap, 3/8-24 x 1-1/8
2	LM-09169-65	1	WASHER, Lock, 3/8
3	LM-09221-92	1	WASHER, Flat
4	LM-16065-10	1	SPACER
5	LM-16068-99	1	COIL ASSEMBLY, PTO Clutch
6	LM-09287-11	4	SCREW, Hex Head Cap, 7/16-14 x 5/8
7	LM-09181-99	4	WASHER, Lock, 7/16
8	LM-16069-00	1	HUB ASSEMBLY, PTO Clutch
9	LM-09287-12	1	KEY, Plain Parallel, 1/4 x 1/4

Electrical Group (3859108)

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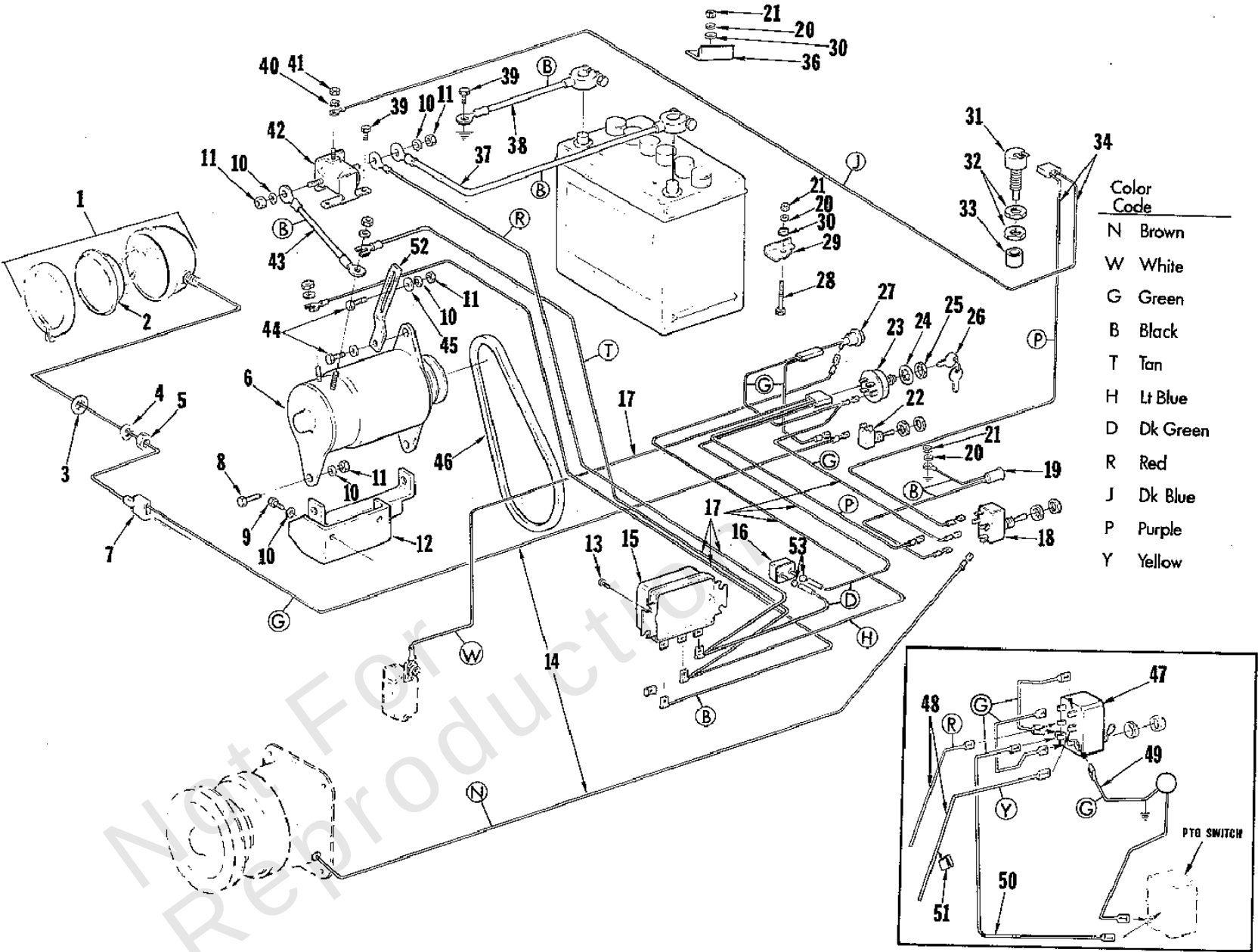
Electrical Group (3859108)

REF NO	PART NO	QTY	DESCRIPTION
1	LM-01221-75	2	LAMP ASSEMBLY
2	LM-01221-64	2	BULB
3	LM-09184-30	6	WASHER, Flat, 7/16
4	LM-09169-66	2	WASHER, Lock, 1/2
5	LM-09169-51	2	NUT, Hex Fin, 1/2-13
6	LM-01222-36	1	MOTOR, Generator
7	LM-01221-82	1	CONNECTOR, Insulated
8	LM-09077-29	2	SCREW, Hex Head Cap, 5/16-18 x 1-1/4
9	LM-09173-97	2	SCREW, Hex Head Cap, 5/16-18 x 3/4
10	LM-09173-56	8	WASHER, Lock, Regular, 5/16
11	LM-09173-72	5	NUT, Hex Fin, 5/16-18
12	LM-16063-67	1	SUPPORT ASSEMBLY, Generator
13	LM-09274-29	3	SCREW, Tapping (Taptite) 1/4-20 x 5/8
14	LM-16067-66	1	HARNESS ASSEMBLY, Light & PTO
15	LM-01221-93	1	REGULATOR, Voltage
16	LM-01721-63	1	BREAKER, Circuit
17	LM-16067-64	1	HARNESS ASSEMBLY, Wiring
18	LM-16072-42	1	SWITCH TOGGLE, PTO
19	LM-16072-44	1	LIGHT, Pilot
20	LM-09169-64	3	WASHER, Lock, 1/4
21	LM-09166-22	3	NUT, Hex, 1/4-20
22	LM-01221-84	1	SWITCH, Light Toggle
23	LM-01222-01	1	SWITCH, Key
24	LM-09286-36	1	WASHER
25	LM-01222-35	1	NUT, Hex
26	LM-16032-49	1	KEY, Set (Ignition)
27	LM-01712-95	1	INDICATOR, Lamp Assembly
28	LM-09199-29	2	SCREW, Hex Head Cap, 1/4-20 x 2
29	LM-16073-43	1	CLAMP, Battery (L.H.)
30	LM-09173-77	2	WASHER, 1/4
31	LM-01222-33	1	SWITCH, Safety
32	LM-01222-34	1	NUT, Hex Special
33	LM-16044-40	1	BOOT, Rubber
34	LM-16067-65	1	WIRE ASSEMBLY, Switch
35	LM-16073-60	1	BATTERY
36	LM-16073-42	1	CLAMP, Battery (R.H.)
37	LM-16012-43	1	CABLE, Battery to Solenoid
38	LM-01718-11	1	CABLE, Battery to Ground
39	LM-09250-03	2	SCREW, Taptite, 1/4-20 x 1/2
40	LM-09227-11	1	WASHER, Lock, Extension Tooth #10
41	LM-09174-15	1	NUT, Machine Screw Hex, 10-32
42	LM-01222-16	1	SOLENOID
43	LM-16036-18	1	CABLE, Generator to Solenoid
44	LM-09213-32	2	SCREW, Hex Head Cap, 5/16-18 x 3/4
45	LM-09176-42	1	WASHER, 5/16
46	LM-16073-23	1	BELT, Generator
47	LM-16072-43	1	SWITCH, Toggle (Actuator) T-16H
48	LM-16067-69	1	HARNESS, Switch to Ground (T-16H)
49	LM-16073-72	1	LEAD, Switch to Groun (T-16H)
50	LM-16067-68	1	LEAD, Switch to PTO Switch (T16H)
51	LM-01650-73	1	CLIP, Speed (T-16H)

Electrical Group (3859108)

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Electrical Group (3859I08)

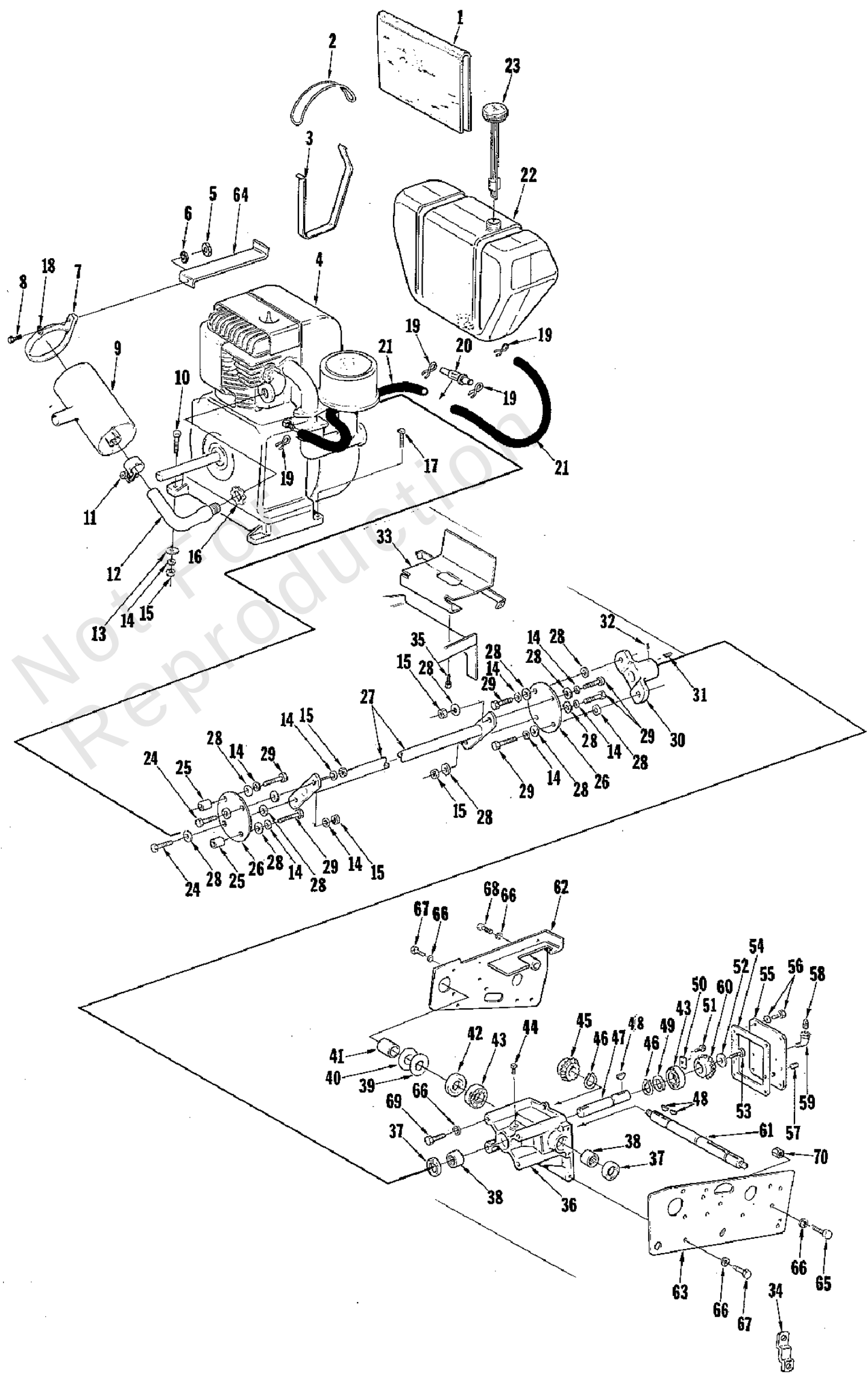
REF NO	PART NO	QTY	DESCRIPTION
52	LM-01571-02	1	ARM, Belt Tightener
53	LM-16076-08	2	WASHER, Insulation

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Engine, Drive Shaft & Bevel Gear Box Group (3859I10)

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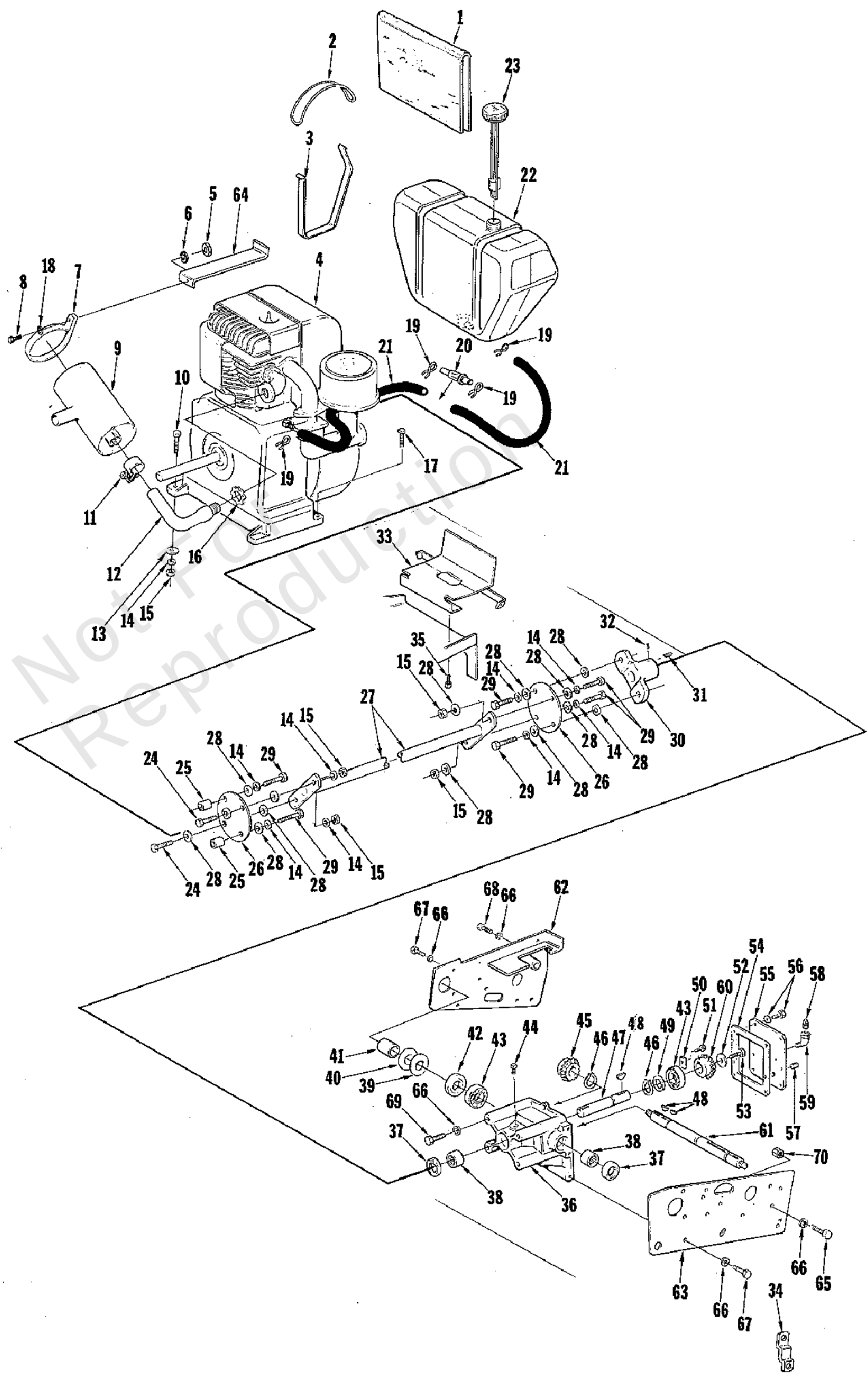
Engine, Drive Shaft & Bevel Gear Box Group (3859I10)

REF NO	PART NO	QTY	DESCRIPTION
1	LM-01221-43	1	INSULATION, Fuel Tank
2	LM-01727-44	2	STRAP, Fuel Tank (Upper)
3	LM-16066-55	2	STRAP, Fuel Tank
4	-----	1	ENGINE, T-10HP
4	-----	1	ENGINE, T-16HP
5	LM-09173-72	1	NUT, Hex, 5/16-18
6	LM-09173-56	2	WASHER, Lock, 5/16
7	LM-01718-80	1	STRAP, Muffler
8	LM-09164-31	1	SCREW, Hex Head Cap, 5/16-18 x 1
9	LM-16064-12	1	MUFFLER, Exhaust
10	LM-09193-60	3	SCREW, Hex Head Cap, 3/8-16 x 1-1/2
11	LM-01720-61	1	CLAMP, Muffler w/Fasteners
12	LM-01721-95	1	ELBOW & NIPPLE ASSEMBLY
13	LM-09173-78	4	WASHER, 3/8
14	LM-09169-65	12	WASHER, Lock, 3/8
15	LM-09169-50	8	NUT, Hex Fin, 3/8-16
16	LM-01543-78	1	NUT, Lock
17	LM-01724-55	1	SCREW, Rectangle Head, 3/8-16 x 1-5/16
18	LM-09193-81	1	WASHER, Flat, 11/32"
19	LM-01543-72	4	CLAMP, Fuel
20	LM-01732-06	1	FILTER, Fuel
21	LM-16081-93	2	HOSE, Fuel 11"
22	LM-16066-53	1	TANK, Fuel
23	LM-16027-24	1	CAP, Fuel Tank w/Guage
24	LM-09219-69	2	SCREW, Hex Head Cap, 3/8-16 x 1-1/2
25	LM-01723-29	2	SPACER, Drive Shaft
26	LM-01730-26	2	COUPLING, Drive Shaft
27	LM-16070-37	1	SHAFT ASSEMBLY, Drive
28	LM-01574-24	14	WASHER, Special
29	LM-09204-15	6	SCREW, Hex Head Cap, 3/8-16 x 1-1/4
30	LM-01722-64	1	FLANGE, Drive Shaft
31	LM-01574-27	1	KEY, Parallel, Special
32	LM-16054-96	1	SETSCREW, Hex Socket, 3/8-24 x 5/16
33	LM-16080-89	1	SUPPORT ASSEMBLY, Fuel Tank
34	LM-01748-93	1	CLIP, Spring (T-16S)
35	LM-09248-56	2	SCREW, Hex Head Cap, 5/16-18 x 1/2
36	LM-16062-07	1	HOUSING, Bevel Gear
37	LM-01717-97	2	SEAL, Oil
38	LM-01181-17	2	BEARING, Needle
39	LM-01542-79	1	SHIM
40	LM-01717-90	5	SHIM, Use as Required
41	LM-01717-92	1	SPACER
42	LM-01717-87	1	SEAL, Oil
43	LM-01722-56	2	BEARING, Ball
44	LM-01543-26	1	PLUG, Pipe
45	LM-01717-96	1	GEAR, Bevel Driven
46	LM-01722-06	2	RING, Retaining
47	LM-01739-66	1	SHAFT, Driven
48	LM-09051-23	3	KEY, #9
49	LM-01727-53	1	WASHER
50	LM-01540-40	1	PLATE, Bearing Clamp

Engine, Drive Shaft & Bevel Gear Box Group (3859I10)

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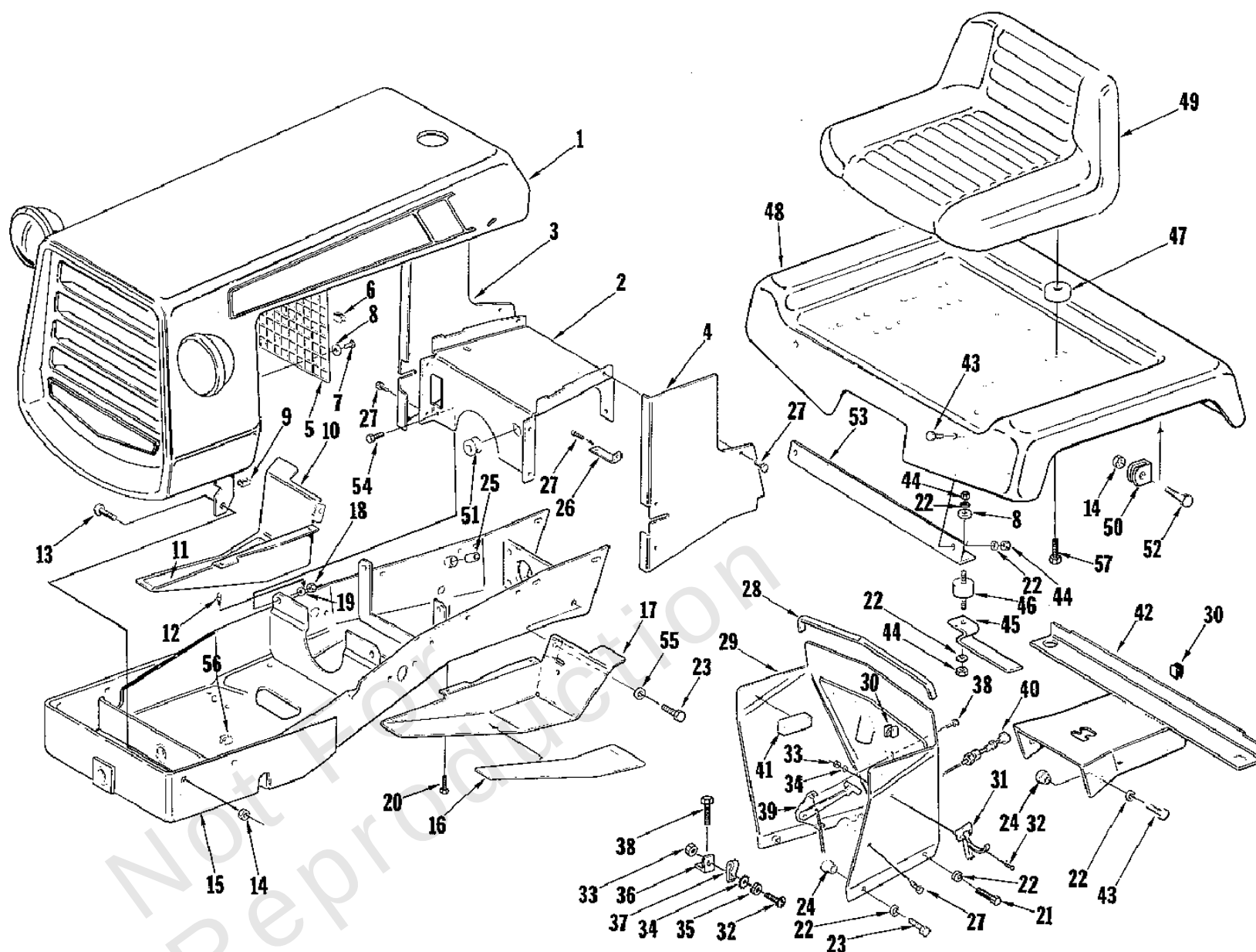
Engine, Drive Shaft & Bevel Gear Box Group (3859I10)

REF NO	PART NO	QTY	DESCRIPTION
51	LM-09193-18	1	SCREW, Cap
52	LM-01540-26	1	WASHER
53	LM-01542-81	1	SCREW, Hex Head Cap, 5/16-18 x 3/4
54	LM-01542-82	1	GASKET
55	LM-01642-49	1	COVER, Housing
56	LM-16040-97	6	SCREW, Cap w/Internal Tooth Washer, 1/4-20 x 5/8
57	LM-09016-52	1	PLUG, Pipe, 1/4
58	LM-09016-53	1	PLUG, Pipe, 3/8
59	LM-09017-23	1	ELBOW, Street, 3/8 x 90 Degrees
60	LM-01727-52	1	GEAR, Bevel Driver
61	LM-01727-50	1	SHAFT, Driver
62	LM-01738-59	1	PLATE, Side R.H. (T-16S)
62	LM-16066-09	1	PLATE, Side, R.H. (T-10)
62	LM-01660-49	1	PLATE, Side, R.H. (T-16H)
63	LM-01740-32	1	PLATE, Side, L.H. (T-10, T-16S)
63	LM-01740-33	1	PLATE, Side, L.H. (T-16H)
64	LM-01769-31	1	BRACKET, Voltage Regulator
65	LM-09206-77	2	SCREW, Hex Head Cap, 7/16-14 x 1-1/4 (T-10)
66	LM-09181-99	15	WASHER, Lock (T-10)
66	LM-09181-99	16	WASHER, Lock (T-16S)
66	LM-09181-99	17	WASHER, Lock (T-16H)
67	LM-09206-76	10	SCREW, Hex Head Cap, 7/16-14 x 1 (T-10, T-16H)
67	LM-09206-76	11	SCREW, Hex Head Cap (T-16S)
68	LM-09206-77	1	SCREW, Hex Head Cap (T-16S)
68	LM-09206-77	3	SCREW, Hex Head Cap (T-16H)
69	LM-09166-08	4	SCREW, Hex Head Cap
70	LM-09182-13	3	NUT, Hex, 7/16-14 (T-16H)

Frame, Hood, Dash & Seat Group (3859109)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1600337



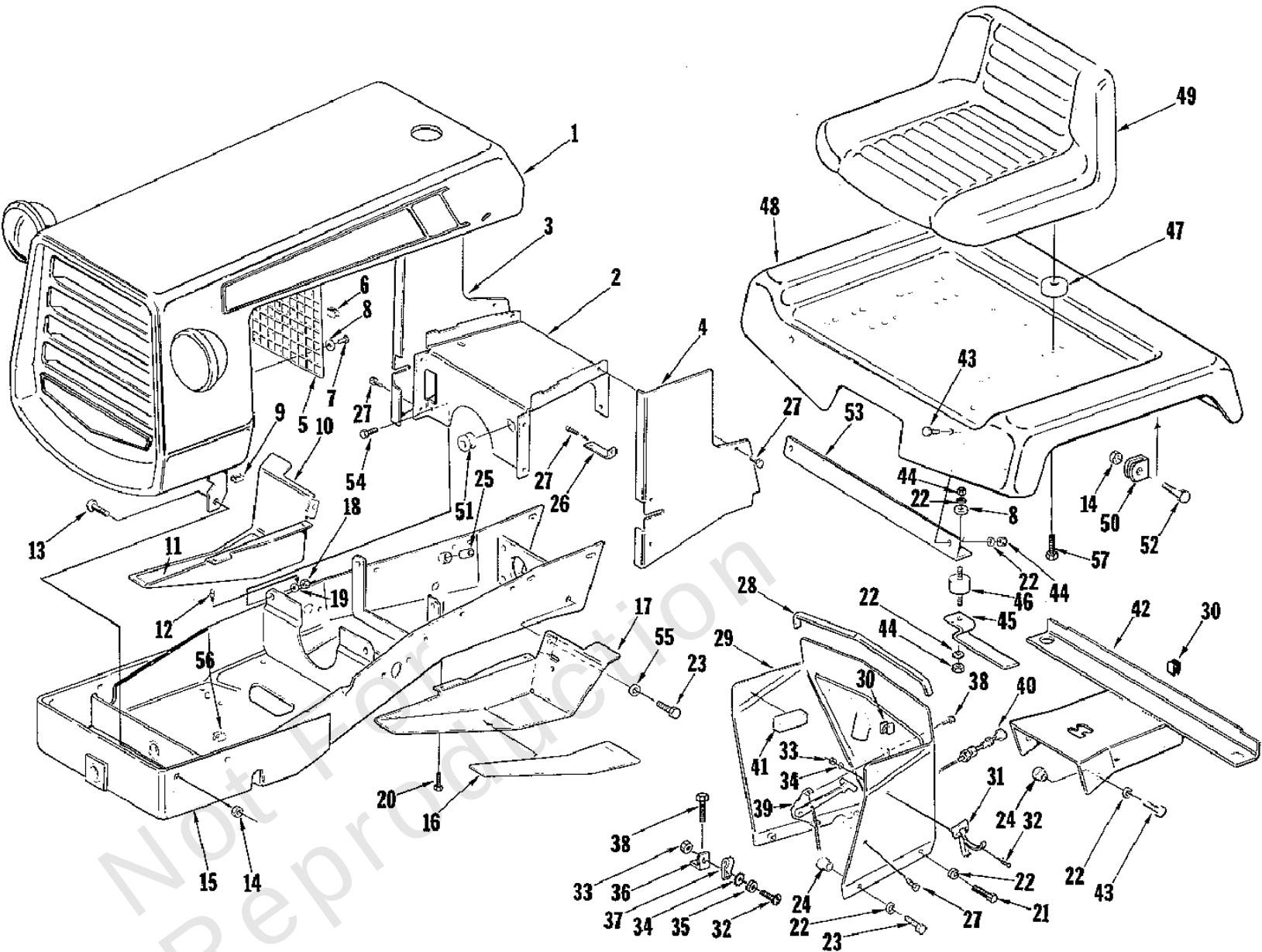
Frame, Hood, Dash & Seat Group (3859I09)

REF NO	PART NO	QTY	DESCRIPTION
1	LM-16063-79	1	HOOD ASSEMBLY
2	LM-16081-06	1	SUPPORT ASSEMBLY, Battery
3	LM-16064-48	1	PANEL, Side (R.H.)
4	LM-16064-47	1	PANEL, Side (L.H.)
5	LM-16071-83	1	SCREEN, Grille
6	LM-01650-74	7	SPEED, Clip
7	LM-16045-56	4	RIVET, Pop
8	LM-09173-77	6	WASHER, 1/4
9	LM-16044-51	1	SPEED CLIP
10	LM-16064-09	1	FOOT REST (R.H.)
11	LM-16066-77	1	PAD, Foot (R.H.)
12	LM-09211-33	1	FITTING, Lube (Drive Type)
13	LM-09221-10	2	BOLT, Carriage, 3/8-16 x 3/4
14	LM-09234-28	4	NUT, Hex Lock, 3/8-16
15	LM-16081-08	1	FRAME ASSEMBLY
16	LM-16066-78	1	PAD, Foot (L.H.)
17	LM-16064-08	1	FOOT REST (L.H.)
18	LM-09169-50	4	NUT, Hex Head, 3/8-16
19	LM-09169-65	4	WASHER, Lock, 3/8
20	LM-09236-83	4	SCREW, Taptite, 3/8-16 x 3/4
21	LM-09173-97	2	SCREW, Lock, 5/16
22	LM-09173-56	12	WASHER, Lock, 5/16
23	LM-09248-56	4	SCREW, Hex Head Taptie, 3/8-16 x 1/2
24	LM-09228-58	6	NUT, Retainer, 5/16-18
25	LM-16064-45	2	BEARING, Sleeve
26	LM-09253-07	1	CLIP, Closed
26	LM-09253-07	2	CLIP, Closed (T-16H)
27	LM-09250-03	9	SCREW, Taptie, 1/4-20 x 1/2
28	LM-16066-16	1	BOULDING, Dash
29	LM-16080-83	1	PANEL ASSEMBLY, Instrument
30	LM-01724-34	2	CLIP, Cable
31	LM-16032-78	2	LATCH, Hood
32	LM-09160-79	5	SCREW, Round Head, 10-24 x 3/8
33	LM-09166-21	5	NUT, Hex, 10-24
34	LM-09227-11	5	WASHER, Lock, #10, Extension Tooth
35	LM-09232-12	1	WASHER, #10
36	LM-01573-15	1	BRACKET, Throttle Cable
37	LM-16031-04	1	CLIP, Throttle Cable
38	LM-09274-29	3	SCREW, Tapping, 1/4-20 x 5/8 (Taptite)
39	LM-16066-89	1	THROTTLE
40	LM-01713-34	1	CHOKE (Includes Nut & Washer)
41	LM-01065-82	8	GASKET, Felt
42	LM-16064-61	1	COVER ASSEMBLY, Frame
43	LM-09193-18	6	SCREW, Hex Head Cap, 5/16-18 x 5/8
44	LM-09173-72	10	NUT, Hex, 5/16-18
45	LM-16068-23	2	CLIP, Spring
46	LM-01570-94	2	CONNECTOR, Cushion
47	LM-16085-35	4	CONNECTOR, Cushion
48	LM-01661-11	1	DECK ASSEMBLY, Seat
49	LM-16079-86	1	SEAT
50	LM-16078-70	2	STOP, Seat Deck

Frame, Hood, Dash & Seat Group (3859109)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1600337



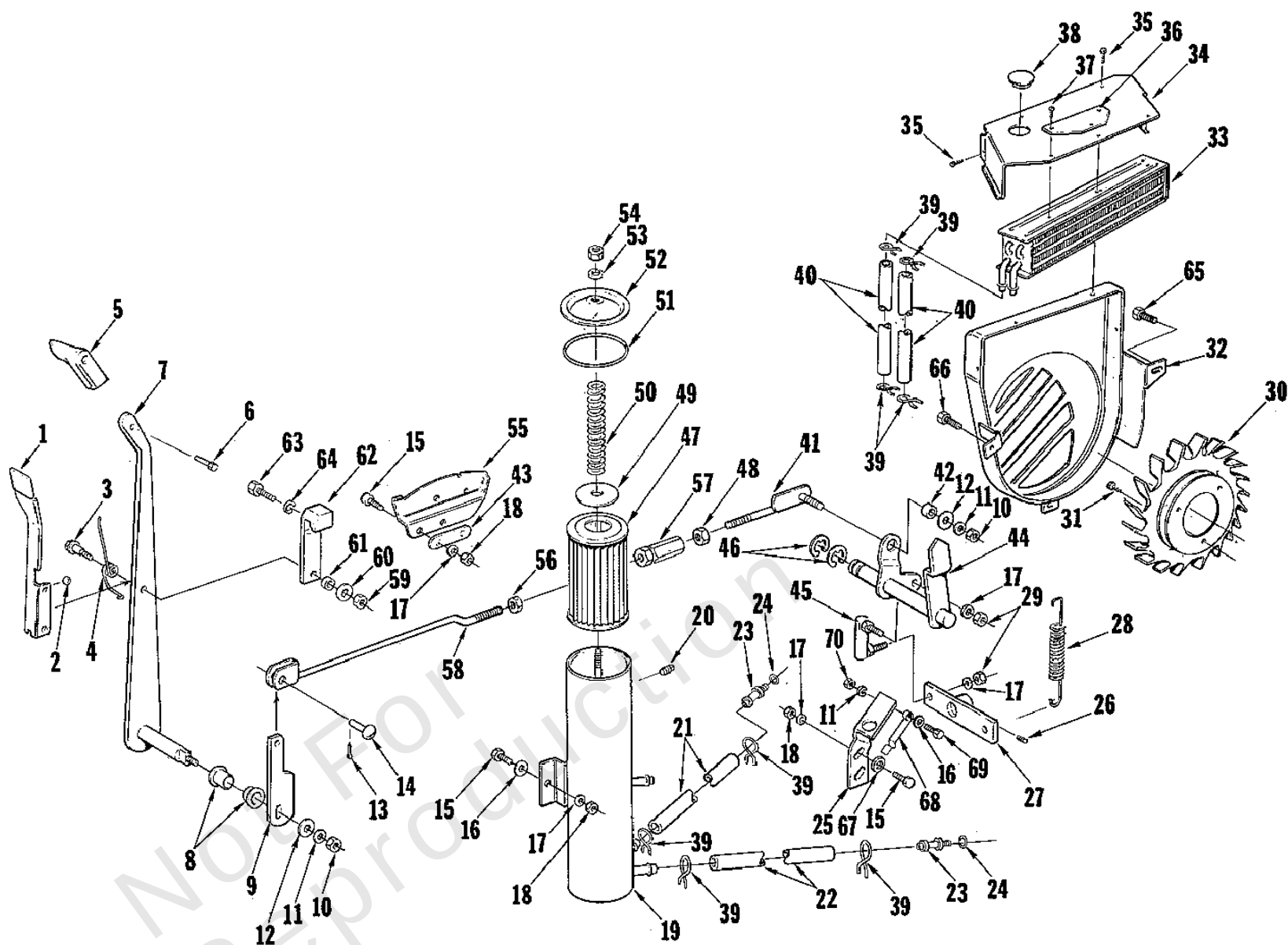
Frame, Hood, Dash & Seat Group (3859I09)

REF NO	PART NO	QTY	DESCRIPTION
51	LM-16021-02	1	GROMMET (T-10, T-16S)
51	LM-16021-02	2	GROMMET (T-16H)
52	LM-09174-00	2	SCREW, Hex Head Cap, 3/8-16 x 1-1/4
53	LM-01640-29	1	BRACKET, Front Seat Deck
54	LM-09081-27	4	SCREW, Hex Cap, 3/8-16 x 3/4
55	LM-09227-55	2	WASHER, Flat, 13/32
56	LM-01724-36	1	CLIP, Cable
57	LM-09213-33	4	SCREW, Cap, 5/16-18 x 1

Hydrostatic Cooling & Controls Group (3859107)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1600337



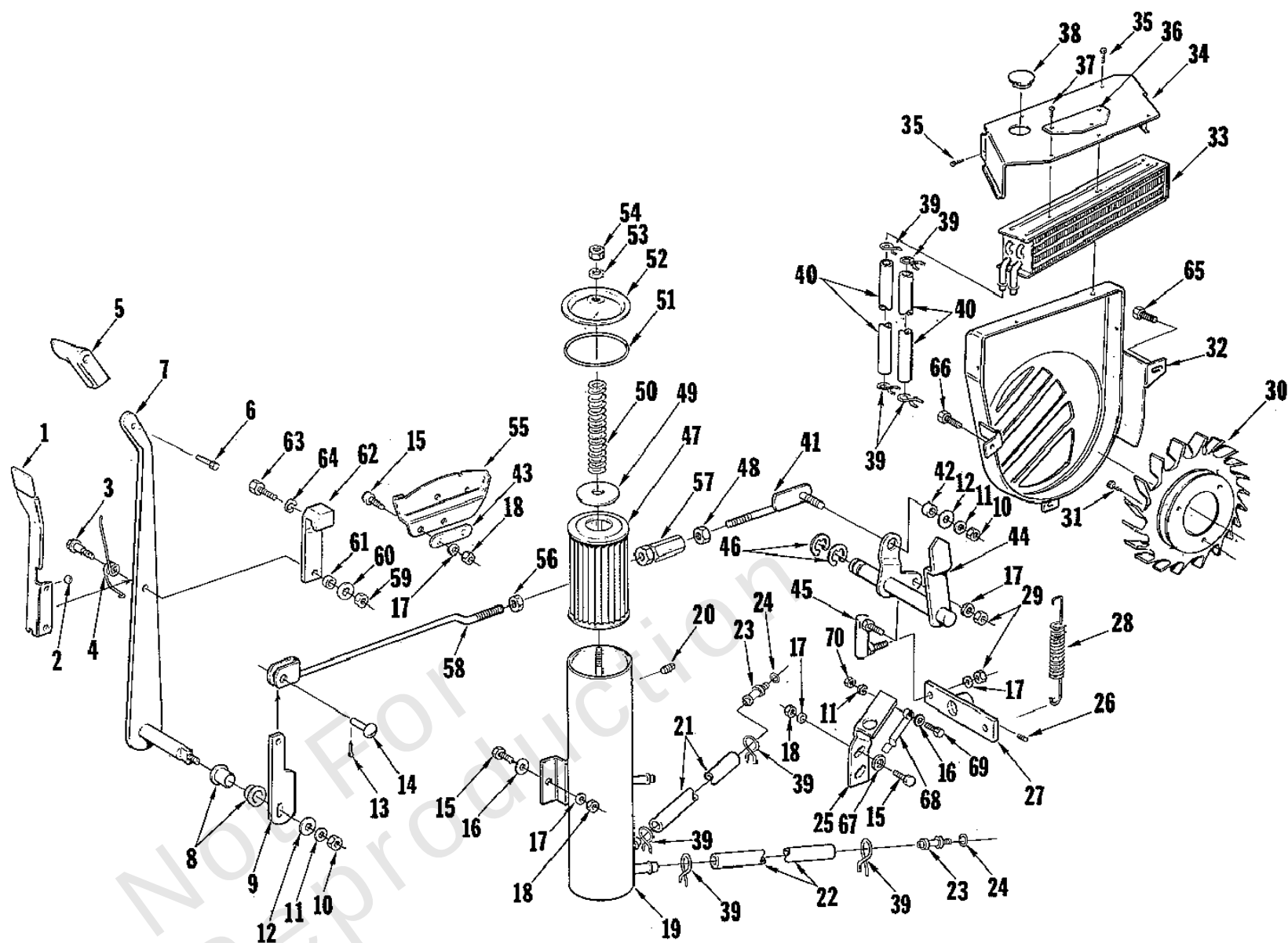
Hydrostatic Cooling & Controls Group (3859I07)

REF NO	PART NO	QTY	DESCRIPTION
1	LM-01717-79	1	HANDLE, Trip
2	LM-01661-78	1	BALL, Shift Handle
3	LM-01660-51	1	BOLT, Shoulder
4	LM-01660-47	1	SPRING
5	LM-01711-65	1	HANDLE
6	LM-09221-25	1	SCREW, Thread Cutting, 1/4-20 x 7/8
7	LM-01710-72	1	LEVER ASSEMBLY, Speed Control
8	LM-16104-56	2	BUSHING, Flanged
9	LM-16065-48	1	LINK, Speed Control
10	LM-09169-50	2	NUT, Hex Fin, 3/8
11	LM-09169-65	3	WASHER, Lock, 3/8
12	LM-09173-78	2	WASHER, 3/8
13	LM-09184-47	1	PIN, Cotter
14	LM-16087-02	1	PIN
15	LM-09173-97	6	SCREW, Hex Head Cap, 5/16-18 x 3/4
16	LM-09176-42	5	WASHER, Flat, 5/16
17	LM-09173-56	9	WASHER, Lock, 5/16
18	LM-09173-72	7	NUT, Hex Fin, 5/16-18
19	LM-01661-40	1	RESERVOIR ASSEMBLY
20	LM-16035-49	1	PLUG, Plastic
21	LM-01661-36	1	HOSE, Hydraulic
22	LM-01661-37	1	HOSE, Hydraulic
23	LM-01661-39	2	INSERT, Beaded
24	LM-01660-24	2	RING, "O"
25	LM-16085-21	1	SUPPORT, Switch
26	LM-09169-37	1	PIN, Spring
27	LM-01660-92	1	LINK ASSEMBLY, Control
28	LM-01071-35	1	SPRING
29	LM-09202-63	2	NUT, Hex Fin, 5/16-24
30	LM-01660-22	1	FAN, Pulley
31	LM-09250-03	3	SCREW, Hex Washer Head, 1/4-20 x 1/2
32	LM-01661-14	1	SHROUD ASSEMBLY, Fan
33	LM-01661-35	1	COOLER, Oil
34	LM-01661-34	1	DEFLECTOR, Cooler
35	LM-09237-35	4	SCREW, Self Tapping Hex, 10 x 3/8
36	LM-01661-60	1	CLIP, Spring
37	LM-09174-52	3	SCREW, Round Head, 10-32 x 1/2
38	LM-01661-65	1	CAPLUG
39	LM-01660-44	8	CLAMP, Hose
40	LM-01661-38	2	HOSE, Hydraulic
41	LM-01660-89	1	ROD ASSEMBLY, Speed Control
42	LM-01660-78	1	SPACER
43	LM-16074-15	1	SPACER, Speed Control Quadrant
44	LM-01660-95	1	SHAFT ASSEMBLY, Control
45	LM-01660-79	1	JOINT, Ball (Double End)
46	LM-16021-55	2	RING, "E"
47	LM-01661-47	1	ELEMENT, Filter
48	LM-09254-76	1	NUT, Hex, 7/16-14 (L.H. Thread)
49	LM-01661-50	1	WASHER
50	LM-01661-71	1	SPRING
51	LM-01660-20	1	RING, "O"

Hydrostatic Cooling & Controls Group (3859107)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1600337



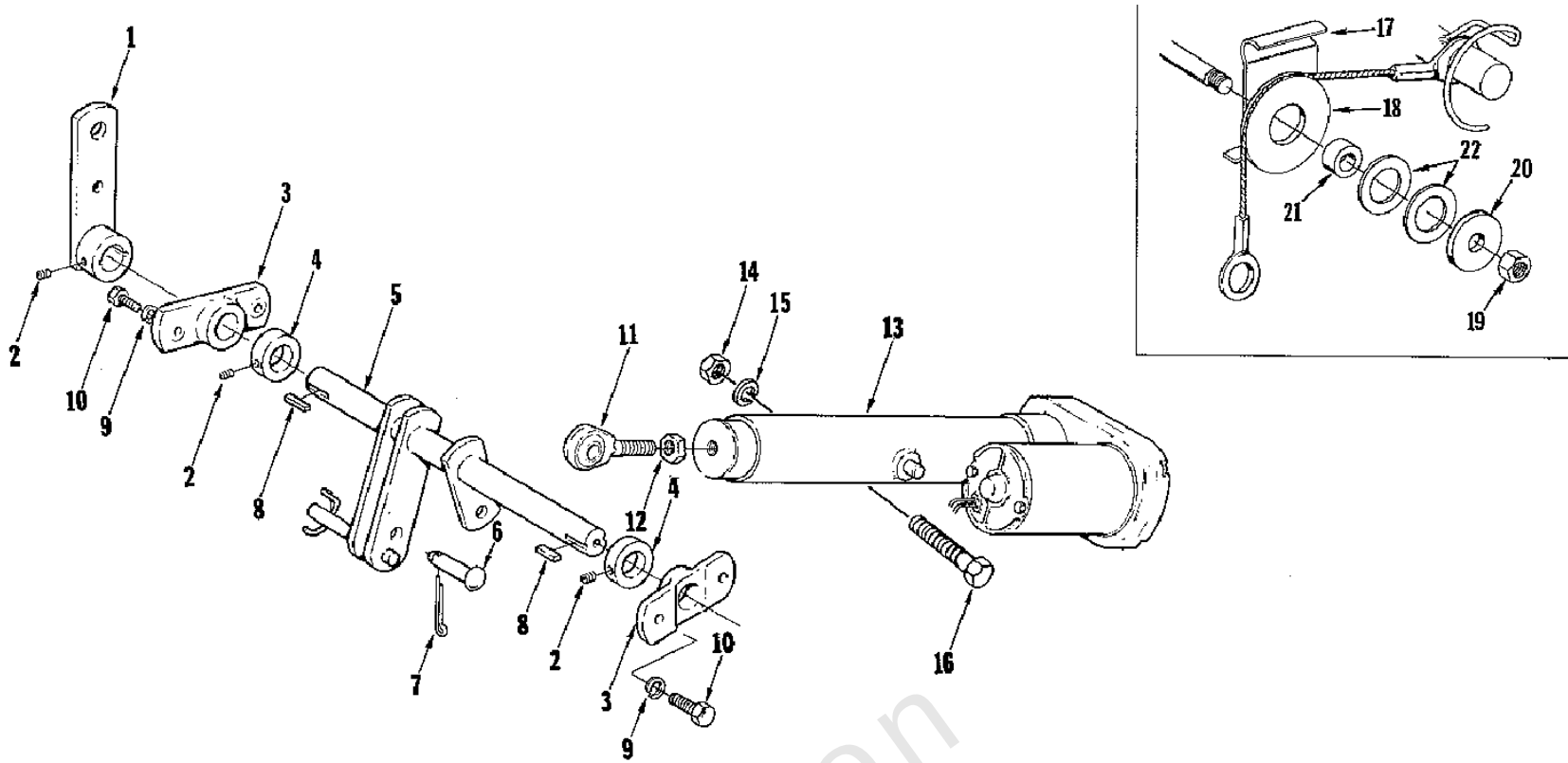
Hydrostatic Cooling & Controls Group (3859I07)

REF NO	PART NO	QTY	DESCRIPTION
52	LM-01660-80	1	COVER, Reservoir
53	LM-01661-61	1	WASHER, Nylon
54	LM-09244-33	1	NUT, Lock, 5/16-18, ESNA
55	LM-01714-29	1	QUADRANT, Speed Control
56	LM-09182-13	1	NUT, Hex Fin, 7/16-14 (R.H.)
57	LM-01660-88	1	TURNBUCKLE
58	LM-01660-83	1	ROD ASSEMBLY, Speed Control (Front)
59	LM-09233-58	1	NUT, Hex Lock, 1/4-20
60	LM-09173-77	1	WASHER, Standard, 1/4
61	LM-01660-63	1	SPACER
62	LM-01714-32	1	CLAMP, Stop
63	LM-09082-95	1	SCREW, Hex Head Cap, 1/4-20 x 1/2
64	LM-09169-64	1	WASHER, Lock, Regular, 1/4
65	LM-09193-19	1	SCREW, Hex Cap, 5/16-18 x 7/8
66	LM-09228-54	1	SCREW, Self Tapping Hex, 5/16 x 5/8
67	LM-09184-30	2	WASHER, Flat, 7/16
68	LM-16085-22	1	CLIP, Switch
69	LM-16080-80	1	BOLT, Shoulder
70	LM-09174-21	1	NUT, Jam, 3/8-16

Lift Group - Electric (3859I03)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1600337



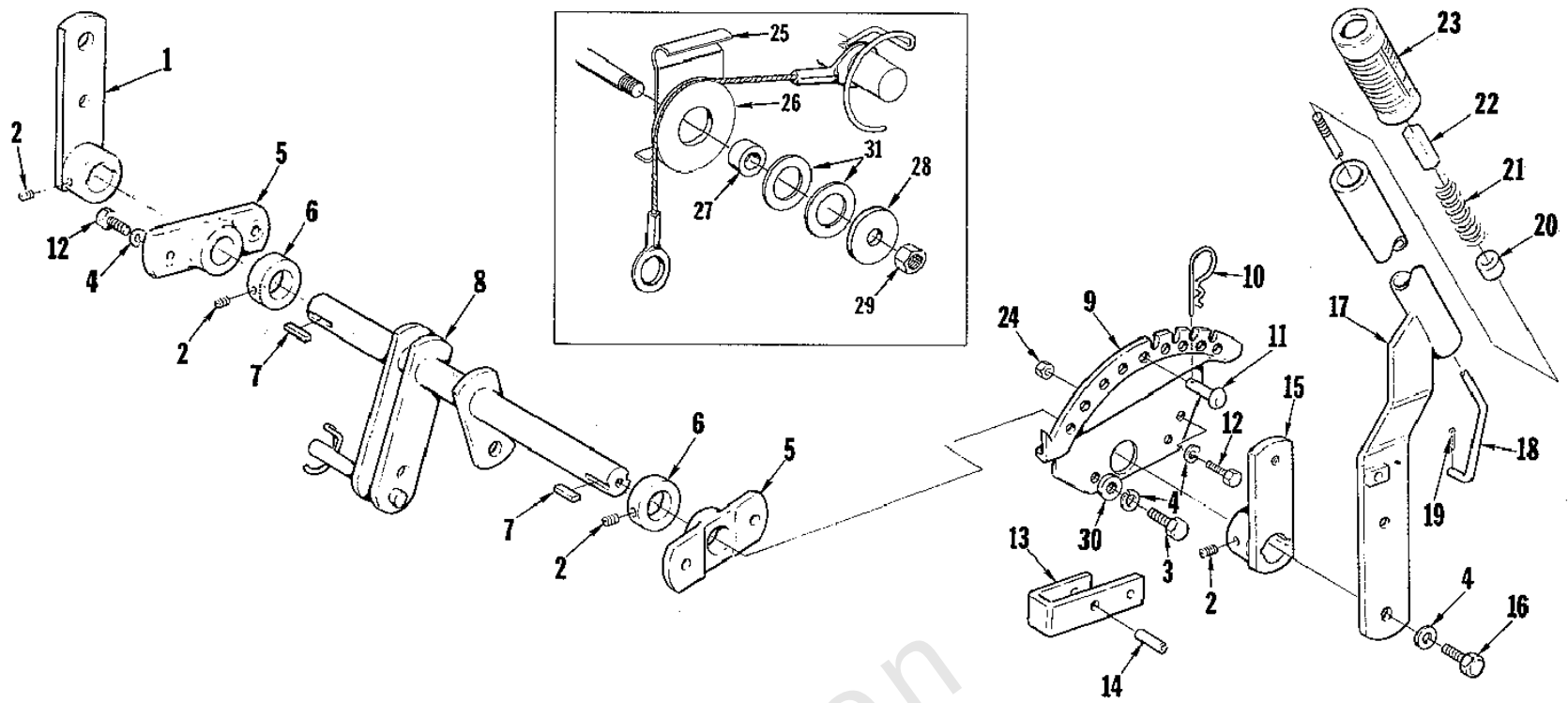
Lift Group - Electric (3859I03)

REF NO	PART NO	QTY	DESCRIPTION
1	LM-01576-25	1	LEVER ASSEMBLY, Front Lift
2	LM-09117-12	3	SCREW, Set, 5/16-18 x 5/16
3	LM-01576-20	2	BEARING, Lift Lever
4	LM-01576-24	2	COLLAR, Set
5	LM-16064-31	1	SHAFT ASSEMBLY, Lift
6	LM-01571-94	1	PIN
7	LM-09184-51	1	PIN, Cotter
8	LM-09213-46	2	KEY, Parallel
9	LM-09169-65	4	WASHER, Lock, 3/8
10	LM-09081-27	4	SCREW, Hex Head Cap, 3/8-16 x 3/4
11	LM-01572-15	1	EYE BOLT
12	LM-09192-62	1	NUT, Jam, Hex, 1/2-20
13	LM-16033-34	1	ACTUATOR, Electric
14	LM-09173-72	1	NUT, Hex, 5/16-18
15	LM-09173-56	1	WASHER, Lock, 5/16
16	LM-09221-03	1	SCREW, Hex Cap, 5/16-18 x 3-1/2
17	LM-16064-30	1	CLIP, Cable Retaining
18	LM-01727-25	1	PULLEY
19	LM-09234-28	1	NUT, Hex Lock, 3/8-16
20	LM-09226-11	1	WASHER, Flat, 13/32
21	LM-16064-69	1	SPACER, Pulley
22	LM-01084-72	2	WASHER

Lift Group (3859I02)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1600337



Not For
Reproduction

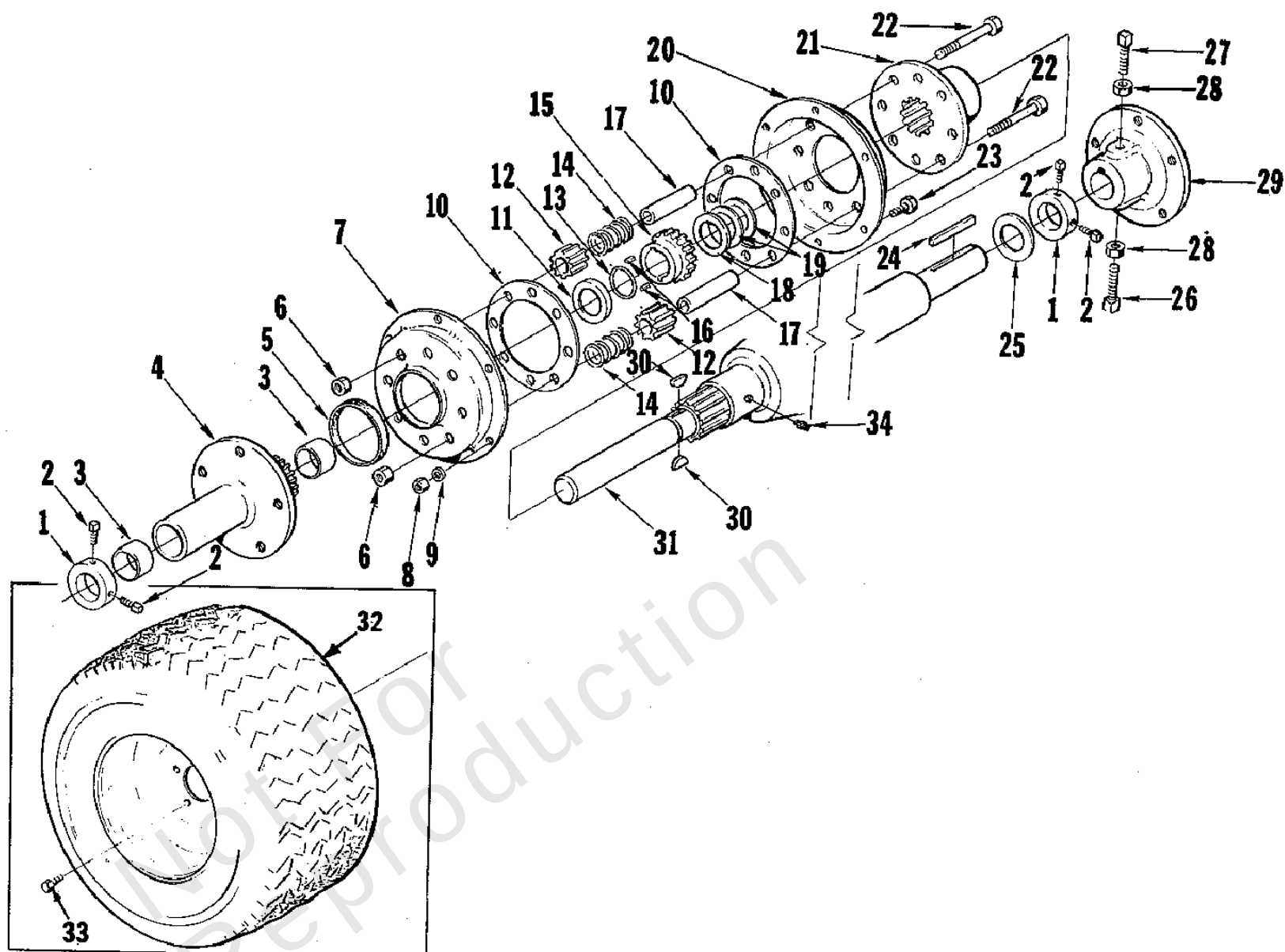
Lift Group (3859I02)

REF NO	PART NO	QTY	DESCRIPTION
1	LM-01576-25	1	LEVER ASSEMBLY, Front Lift
2	LM-09117-12	4	SETSCREW, Hex Socket, 5/16-18 x 5/16
3	LM-09077-31	2	SCREW, Hex Head Cap
4	LM-09169-65	7	WASHER, Lock
5	LM-01576-20	2	BEARING, Lift Lever
6	LM-01576-24	2	COLLAR, Set
7	LM-09213-46	4	KEY, Plain Parallel
8	LM-16064-31	1	SHAFT ASSEMBLY, Lift
9	LM-16076-48	1	QUADRANT, Lift Lever
10	LM-81610-45	1	CLIP, Spring
11	LM-16087-02	1	PIN, Lock
12	LM-09081-27	3	SCREW, Hex Head Cap
13	LM-01730-39	1	LATCH, Lift Lever
14	LM-09181-13	1	PIN, Spring
15	LM-01715-93	1	LIFT LEVER ASSEMBLY, Inner Section
16	LM-09212-10	2	SCREW, Hex Head Cap, 3/8-16 x 1
17	LM-16065-51	1	LEVER ASSEMBLY, Lift
18	LM-16065-53	1	ROD, Latch Lift Lever
19	LM-09184-47	1	PIN, Cotter
20	LM-01542-26	1	SPACER, Handle, Lift Lever
21	LM-01520-06	1	SPRING, Stand
22	LM-01542-27	1	BUTTON, Thumb
23	LM-01562-09	1	GRIP, Lift Lever
24	LM-09169-50	1	NUT, Hex Fin, 3/8-16
25	LM-16064-30	1	CLIP, Cable Retaining
26	LM-01727-25	1	PULLEY
27	LM-16064-69	1	SPACER, Pulley
28	LM-09226-11	1	WASHER, Flat, 13/32
29	LM-09234-28	1	NUT, Hex Lock, 3/8-16
30	LM-09173-78	2	WASHER, Flat, 3/8
31	LM-01084-72	2	WASHER

Rear Axle & Differential Group (3859/11)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1600337



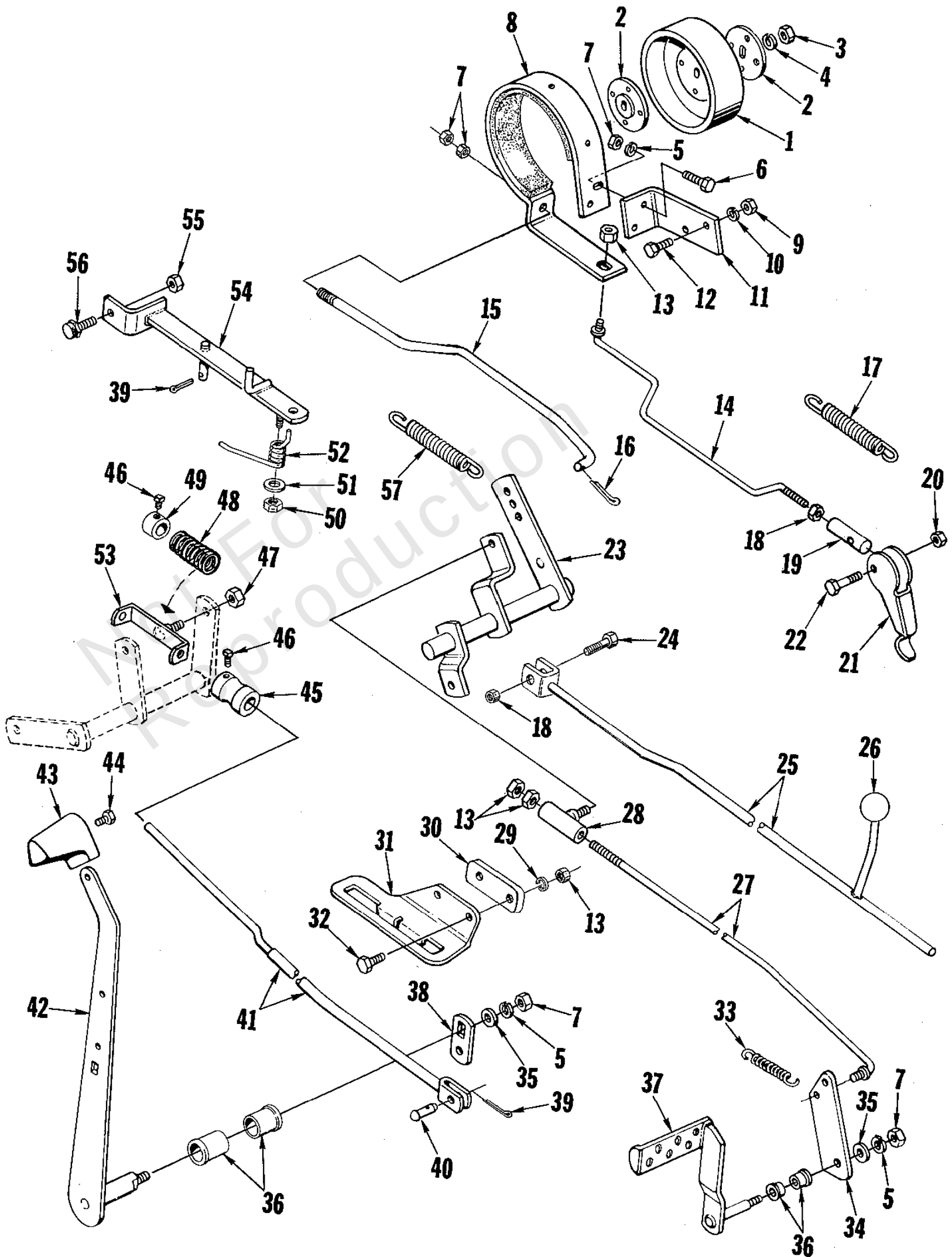
Rear Axle & Differential Group (3859/11)

REF NO	PART NO	QTY	DESCRIPTION
1	LM-01540-65	2	COLLAR, Axle
2	LM-09287-09	4	SETSCREW, Square, 5/16-18 x 3/8
3	LM-01530-68	2	BEARING
4	LM-01715-19	1	HUB ASSEMBLY, Wheel (R.H.)
4	LM-01769-46	1	HUB ASSEMBLY, Wheel (R.H.)
5	LM-01211-90	1	SEAL, Differential
6	LM-09234-28	8	NUT, Hex Lock, 3/8-16
7	LM-01718-54	1	COVER, Differential
8	LM-09166-22	6	NUT, Hex Fin, 1/4-20
9	LM-09169-64	6	LOCKWASHER, 1/4
10	LM-01715-17	2	RING, Spacer
11	LM-01542-77	1	WASHER, Axle
12	LM-01585-79	8	PINION, Differential
13	LM-01542-91	1	RING, Retaining
14	LM-01620-85	8	SPRING
15	LM-01642-19	1	GEAR, Differential
15	LM-01770-41	1	GEAR, Differential
16	LM-07255-01	2	KEY, Hi-Pro
16	LM-09283-56	2	KEY, Hi-Pro
17	LM-01210-83	8	SPINDLE, Pinion Differential
18	LM-01715-15	3	WASHER, Axle
18	LM-01715-15	2	WASHER, Axle
19	LM-01540-35	2	WASHER, Axle
20	LM-01718-53	1	COVER, Differential
21	LM-01642-17	1	CARRIER, Differential
22	LM-09219-72	8	SCREW, Hex Cap, 3/8-16 x 2-1/2
23	LM-09077-27	6	SCREW, Hex Head Cap, 1/4-20 x 5/8
24	LM-09058-58	1	KEY
24	LM-01591-29	1	KEY
25	LM-01050-50	1	WASHER
26	LM-16024-03	1	SCREW, 3/8-16 x 1-1/2
27	LM-16024-04	1	SCREW, Set
28	LM-09174-21	2	NUT, Jam, Hex, 3/8-16
29	LM-01542-08	1	HUB, Wheel (L.H.)
30	LM-01571-20	2	KEY, Drive
31	LM-01715-26	1	AXLE, Rear
32	LM-16079-56	2	WHEEL & TIRE, Rear 23 x 8-1/2-12 (T-10)
32	LM-16079-58	2	WHEEL & TIRE, Rear 23 x 10-1/2
33	LM-82611-00	10	BOLT, Hub
34	LM-09150-19	1	FITTING, Grease

Shuttle Controls Group (3859/16)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1600337



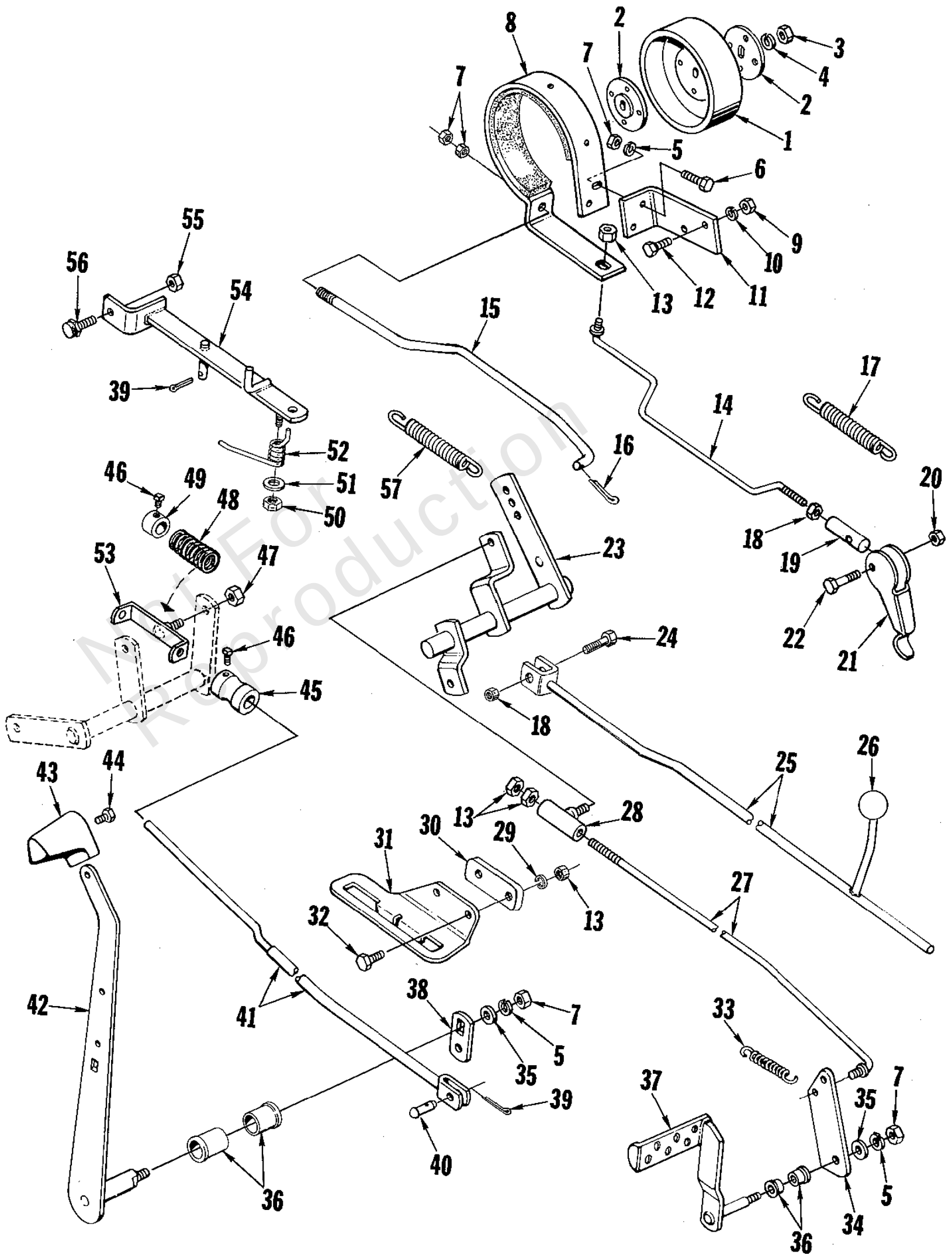
Shuttle Controls Group (3859/16)

REF NO	PART NO	QTY	DESCRIPTION
1	LM-01572-82	1	BRAKE DRUM
2	LM-01581-96	2	WASHER, Special
3	LM-09240-58	1	NUT, Hex, Full, 7/16-14
4	LM-09184-30	1	WASHER, Lock, 7/16
5	LM-09169-65	4	WASHER, Lock, 3/8
6	LM-09077-31	2	SCREW, Hex Cap, 3/8-16 x 1
7	LM-09169-50	4	NUT, Hex Full, 3/8-16
8	LM-01714-97	1	BRAKE BAND ASSEMBLY
9	LM-09166-22	2	NUT, Hex Full, 1/4-20
10	LM-09169-64	2	WASHER, Lock, 1/4
11	LM-01641-13	1	BRACKET, Brake Band
12	LM-09160-19	2	SCREW, Hex Cap, 1/4-20 x 3/4
13	LM-09173-72	5	NUT, Hex Full, 5/16-18
14	LM-16069-03	1	ROD, Parking Brake
15	LM-01641-89	1	ROD, Brake
16	LM-09184-48	1	PIN, Cotter
17	LM-01210-37	1	SPRING
18	LM-09233-62	3	NUT, Hex Full, 5/16-18
19	LM-01719-94	1	ROD END
20	LM-09233-58	1	NUT, Hex Lock Full, 1/4-20
21	LM-01721-08	1	LEVER, Parking Brake
22	LM-09287-45	1	SCREW, Hex Cap, 1/4-20 x 1-1/4
23	LM-01640-89	1	LEVER, Pivot
24	LM-09261-50	1	SCREW, Hex Cap, 5/16-18 x 1-1/2
25	LM-16064-49	1	ROD, Shift
26	LM-16010-42	1	KNOB, Ball
27	LM-16080-37	1	ROD ASSEMBLY, Clutch & Brake
28	LM-16043-19	1	GUIDE, Rod Assembly
29	LM-09173-56	2	WASHER, Lock, 5/16
30	LM-16074-15	1	SPACER, Speed Control Quadrant
31	LM-01744-73	1	QUADRANT
32	LM-09173-97	2	SCREW, Hex Head, 5/16-18 x 3/4
33	LM-01591-06	1	SPRING, Tension
34	LM-16064-77	1	ARM, Foot Pedal
35	LM-09173-78	2	WASHER, Plain, 3/8
36	LM-16104-56	4	BUSHING, Flanged
37	LM-01711-78	1	FOOT PEDAL ASSEMBLY
38	LM-16065-48	1	LINK
39	LM-09184-47	2	PIN, Cotter, 3/32 x 3/4
40	LM-16087-02	1	PIN
41	LM-16081-95	1	ROD ASSEMBLY SPEED CONTROL
42	LM-01710-72	1	LEVER ASSEMBLY SPEED CONTROL
43	LM-01711-65	1	KNOB
44	LM-09221-25	1	SCREW, Hex Self Forming
45	LM-01748-55	1	DETENT, Brake
46	LM-09288-04	2	SCREW, Set Square Head, 1/4-20 x 3/8
47	LM-09234-28	1	NUT, Hex Full Lock, 3/8-16
48	LM-01620-65	1	SPRING
49	LM-16024-35	1	COLLAR, Set
50	LM-09287-31	1	NUT, Hex Jam, 3/8-16
51	LM-09176-42	1	WASHER, 5/16

Shuttle Controls Group (3859/16)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1600337



Shuttle Controls Group (3859/16)

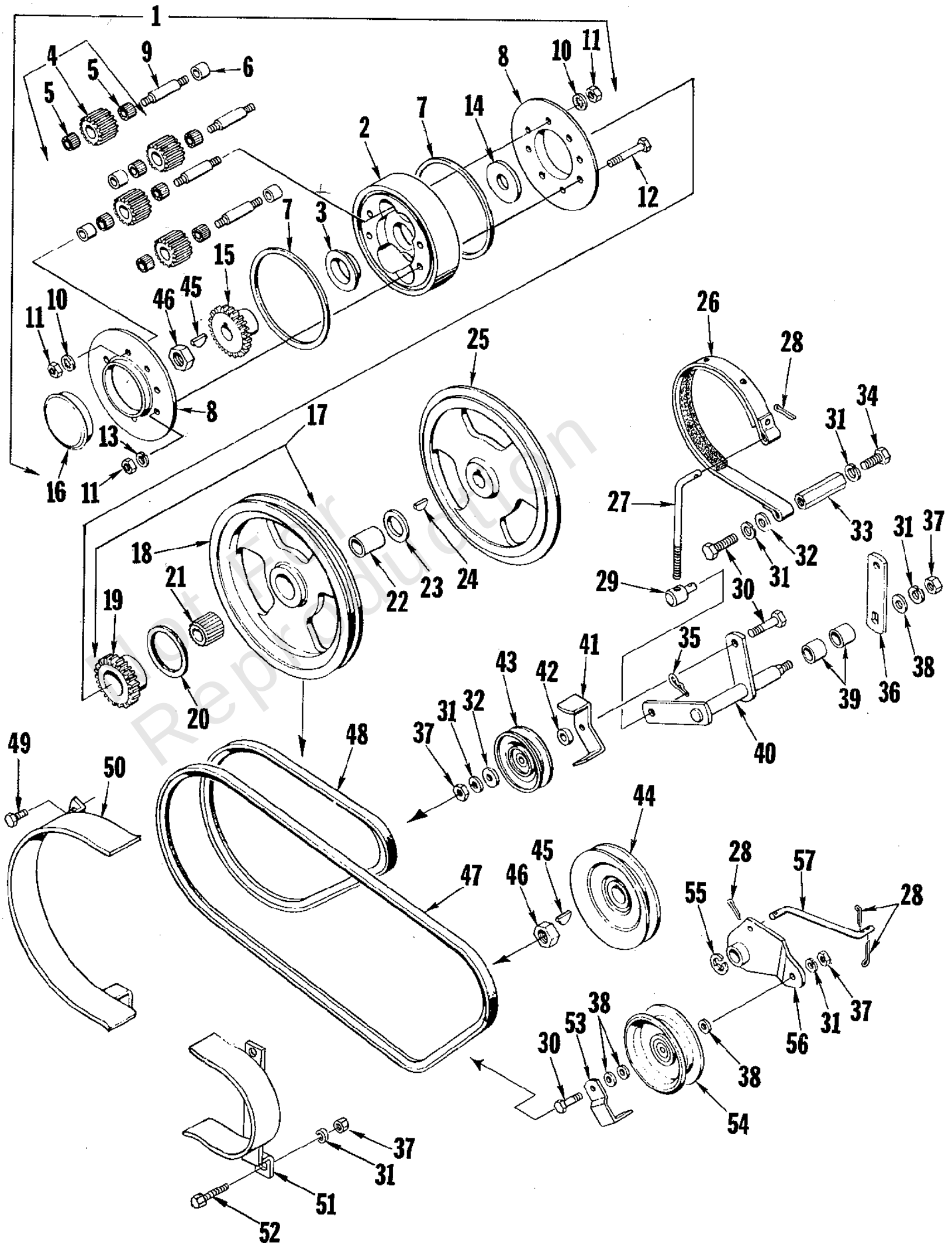
REF NO	PART NO	QTY	DESCRIPTION
52	LM-16077-18	1	SPRING
53	LM-01753-35	1	ROD, Guide Assembly
54	LM-16077-17	1	BRAKE, Lever Assembly
55	LM-09201-61	1	NUT, Hex Jam, 5/16-18
56	LM-01748-54	1	PAD, Brake
57	LM-01748-96	1	SPRING

Not For Reproduction

Shuttle Drive Group (3859I15)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1600337



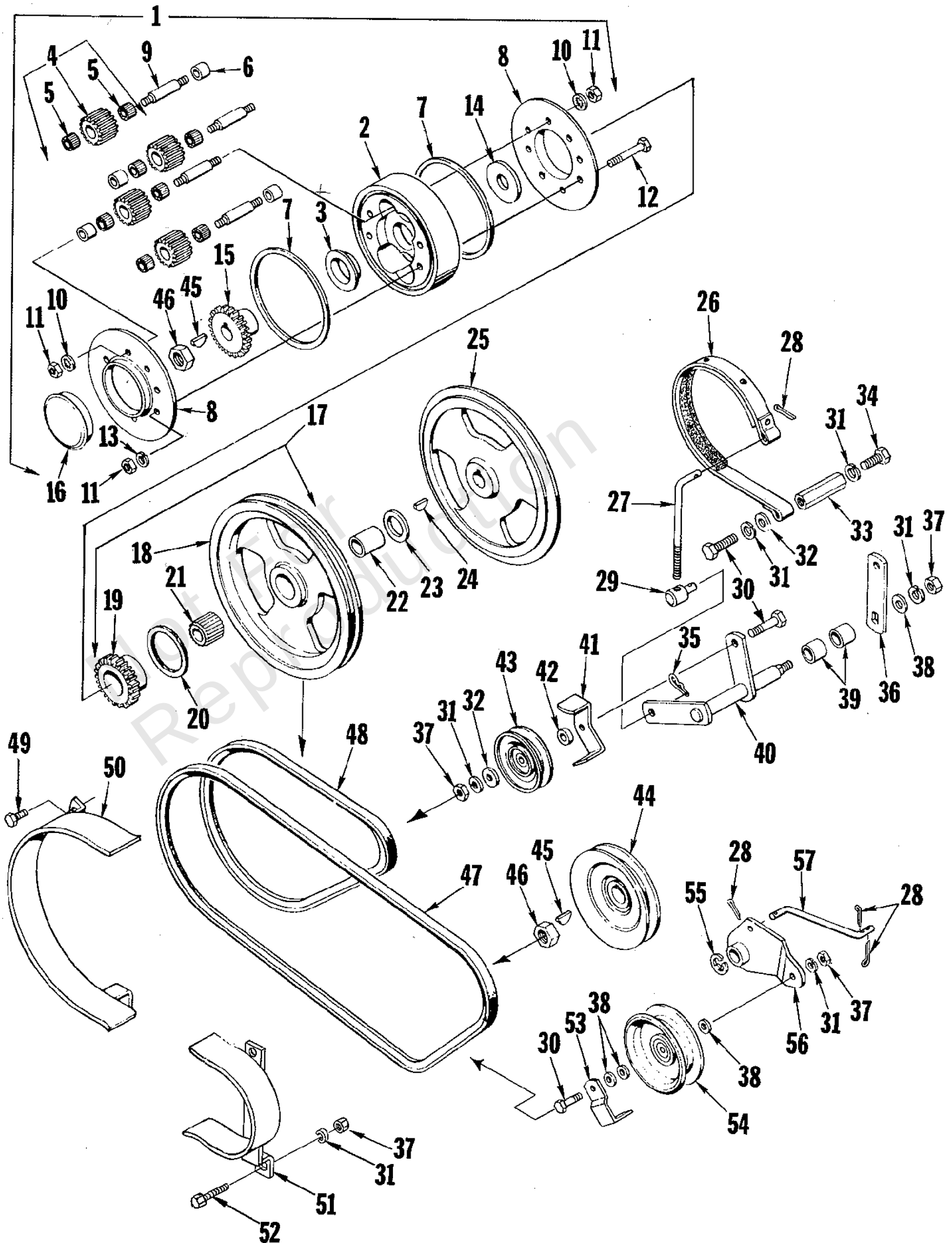
Shuttle Drive Group (3859/15)

REF NO	PART NO	QTY	DESCRIPTION
1	LM-01762-56	1	PLANETARY ASSEMBLY
2	LM-01745-86	1	PLATETARY CARRIER
3	LM-01737-89	1	BEARING, Flanged
4	LM-01762-57	4	PINION, Differential Assembly
5	LM-01745-67	8	BEARING, Needle
6	LM-01745-69	4	BEARING, Sleeve
7	LM-01743-99	2	RING, "O"
8	LM-01744-04	2	COVER, Differential
9	LM-01740-25	4	PIN, Pinion
10	LM-09233-00	8	WASHER, Lock, Shakeproof, 5/16
11	LM-09173-72	12	NUT, Hex Full, 5/16 x 18
12	LM-09193-54	4	SCREW, Hex Cap, 5/16-18 x 2
13	LM-09173-56	4	WASHER, Lock, 5/16
14	LM-01742-74	1	WASHER, Thrust
15	LM-01757-14	1	GEAR, Differential
16	LM-01745-84	1	CAP, Hub
17	LM-01762-55	1	PULLEY ASSEMBLY
18	LM-01737-94	1	PULLEY
19	LM-01757-12	1	GEAR, Sum
20	LM-01749-81	1	SEAL
21	LM-01745-92	1	BEARING, Roller Seal
22	LM-01745-68	1	INNER, Race
23	LM-01745-70	1	BEARING, Thrust
24	LM-09051-23	1	KEY, Woodruff, #9
25	LM-01737-93	1	PULLEY, Half
26	LM-01743-81	1	BRAKE BAND ASSEMBLY
27	LM-01743-85	1	ROD
28	LM-09184-47	4	PIN, Cotter
29	LM-01081-72	1	PIVOT
30	LM-09193-60	3	SCREW, Hex Cap, 3/8-16 x 1-1/2
31	LM-09169-65	6	WASHER, Lock, 3/8
32	LM-09176-42	2	WASHER, Plain, 5/16
33	LM-01743-86	1	BRAKE, Anchor
34	LM-09212-10	1	SCREW, Hex Cap, 3/8-16 x 1
35	LM-01067-87	1	PIN, Quick
36	LM-01744-27	1	LEVER
37	LM-09169-50	4	NUT, Hex Full, 3/8-16
38	LM-09173-78	5	WASHER, Plain, 3/8
39	LM-01180-92	2	BUSHING
40	LM-01738-64	1	LEVER ASSEMBLY
41	LM-01744-02	1	GUIDE, Belt
42	LM-01748-70	1	SPACER
43	LM-01745-61	1	PULLEY, Idler
44	LM-01743-59	1	PULLEY
45	LM-09221-39	2	KEY, Hi-Pro, 3/16 x 3/4
46	LM-16070-21	2	NUT, Jam Lock, 3/4-16
47	LM-01747-31	1	BELT, "V"
48	LM-01748-83	1	BELT, "V"
49	LM-09248-56	2	SCREW, Taptite Hex Head, 5/16-18 x 1/2
50	LM-01743-94	1	GUARD ASSEMBLY PULLEY
51	LM-16078-98	1	GUARD ASSEMBLY, Belt

Shuttle Drive Group (3859I15)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1600337



Shuttle Drive Group (3859I15)

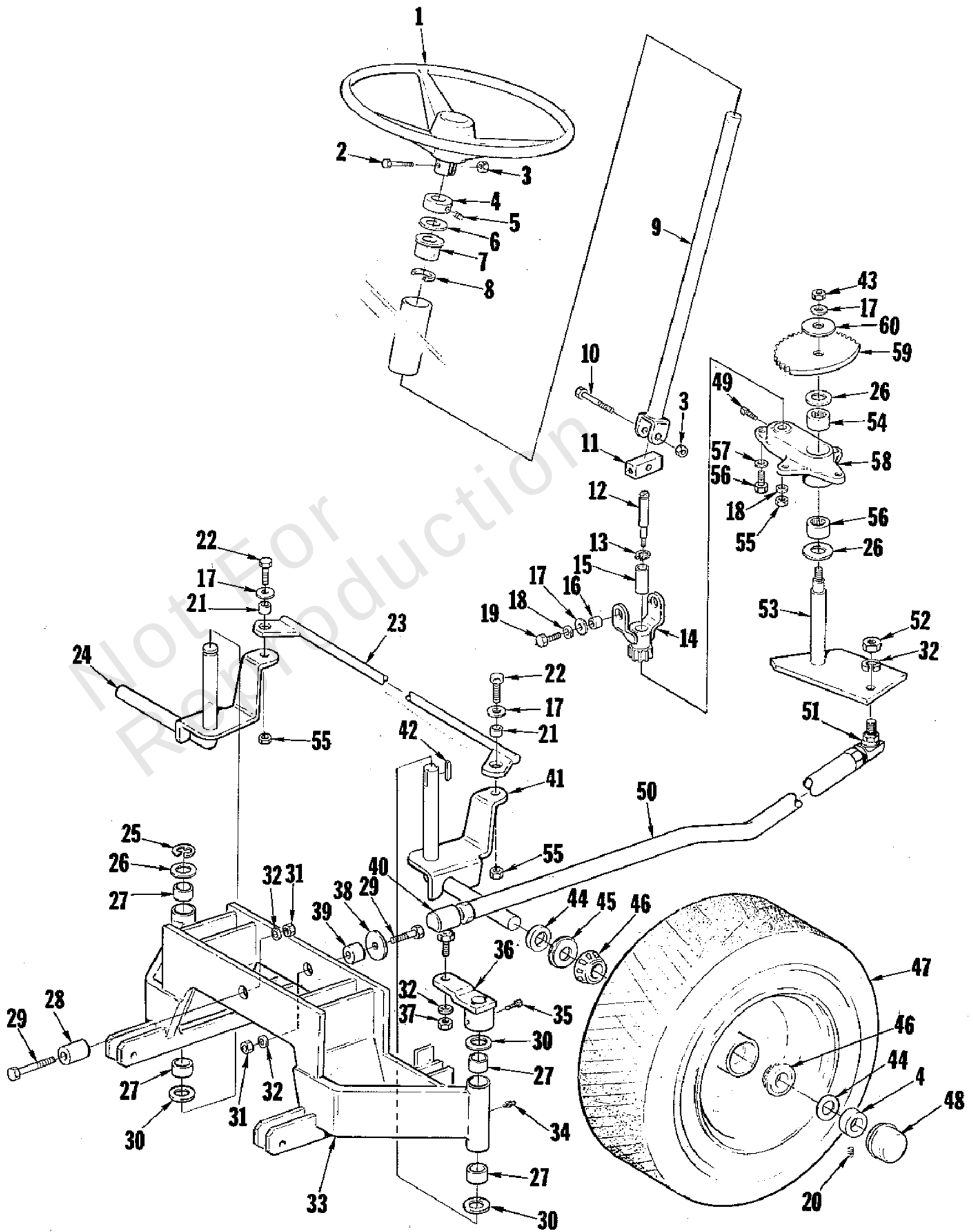
REF NO	PART NO	QTY	DESCRIPTION
52	LM-09077-31	1	BOLT, Carriage, 3/8-16 x 1
53	LM-01067-17	1	GUIDE, Belt
54	LM-01744-97	1	PULLEY, Idler
55	LM-16021-55	1	RING, "E"
56	LM-01738-61	1	LEVER ASSEMBLY IDLER
57	LM-01640-88	1	LINK, Clutch

Not For Reproduction

Steering & Front Axle Group (3859/14)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1600337



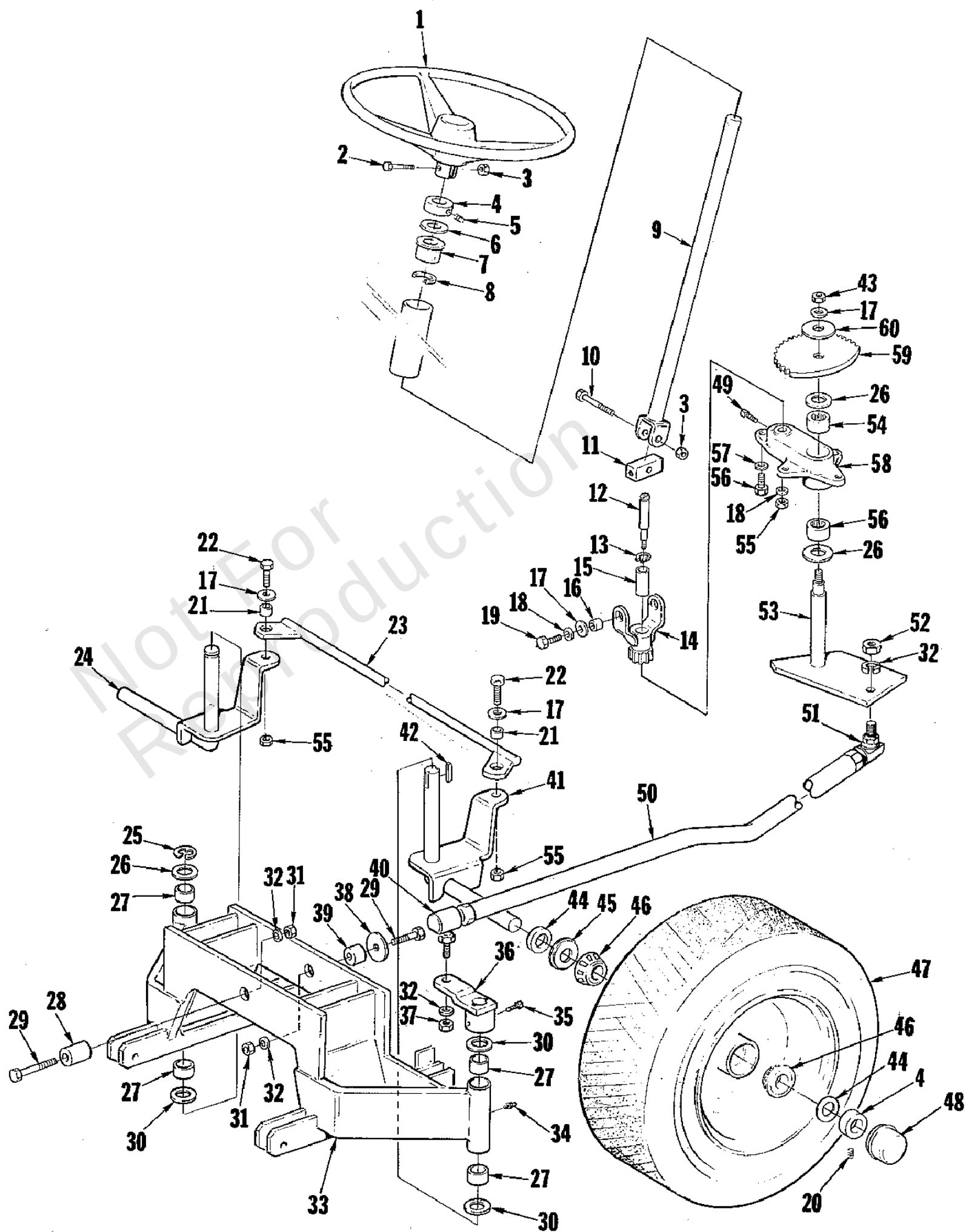
Steering & Front Axle Group (3859/14)

REF NO	PART NO	QTY	DESCRIPTION
1	LM-16063-42	1	WHEEL, Steering
2	LM-09219-77	1	SCREW, Hex head, Cap, 5/16-18 x 1-1/4
3	LM-09233-62	2	NUT, Hex Lock, 5/16-18
4	LM-80210-10	3	COLLAR, Set
5	LM-09117-12	1	SETSCREW, 5/16-18 x 1/4
6	LM-16066-91	1	WASHER, Special
7	LM-01570-77	1	BUSHING, Steering
8	LM-01572-41	1	RING, Snap
9	LM-16086-24	1	SHAFT ASSEMBLY, Steering
10	LM-16013-85	1	SCREW, Hex Head Cap, 5/16-18 x 1-1/2
11	LM-01541-53	1	PIN, Universal Joint
12	LM-01572-53	1	PIN, Eccentric
13	LM-01583-99	1	RING, Retainer
14	LM-01572-54	1	BUSHING ASSEMBLY
15	LM-01572-58	1	BUSHING
16	LM-01530-81	2	SPACER
17	LM-09173-78	5	WASHER, Flat, 3/8
18	LM-09169-65	3	WASHER, Lock, 3/8
19	LM-09219-65	2	SCREW, Hex Head Cap, 3/8-16 x 3/4
20	LM-09296-98	2	SETSCREW, 5/16-18 x 5/16
21	LM-16010-78	2	SPACER
22	LM-09204-15	2	SCREW, Cap, 3/8-16 x 1-1/4
23	LM-16063-65	1	ROD, Tie
24	LM-16063-62	1	SPINDLE ASSEMBLY, R.H.
25	LM-09277-94	1	RING, Retaining
26	LM-80610-12	3	WASHER
27	LM-01542-89	4	BEARING
28	LM-16064-03	1	SPACER
29	LM-09210-24	2	SCREW, Hex Head Cap, 1/2-13 x 2
30	LM-01081-81	3	WASHER
31	LM-09169-51	2	NUT, Hex Fin
32	LM-09169-66	4	WASHER, Lock, 1/2
33	LM-16065-03	1	AXLE ASSEMBLY, Front
34	LM-09146-87	2	FITTING, Lube, Straight
35	LM-09230-85	2	SETSCREW, Square Head, 5/16-18 x 1/2
36	LM-16066-62	1	ARM ASSEMBLY, Steering
37	LM-09192-62	3	NUT, Hex Jam, 1/2-20
38	LM-09243-58	1	WASHER, Flat
39	LM-16066-49	1	SPACER
40	LM-01642-72	1	JOINT, Ball
41	LM-16063-63	1	SPINDLE ASSEMBLY, L.H.
42	LM-01574-27	2	KEY
43	LM-09240-58	1	NUT, Hex Lock, 7/16
44	LM-01713-75	4	SPACER
45	LM-01701-68	2	SEAL
46	LM-01544-86	4	CONE, Bearing
47	LM-16079-61	2	WHEEL & TIRE ASSEMBLY, Front
48	LM-01544-87	2	CAP, Hub
49	LM-09012-71	1	SETSCREW
50	LM-16086-32	1	ROD, Drag
51	LM-01642-72	1	BALL, Joint

Steering & Front Axle Group (3859/14)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1600337



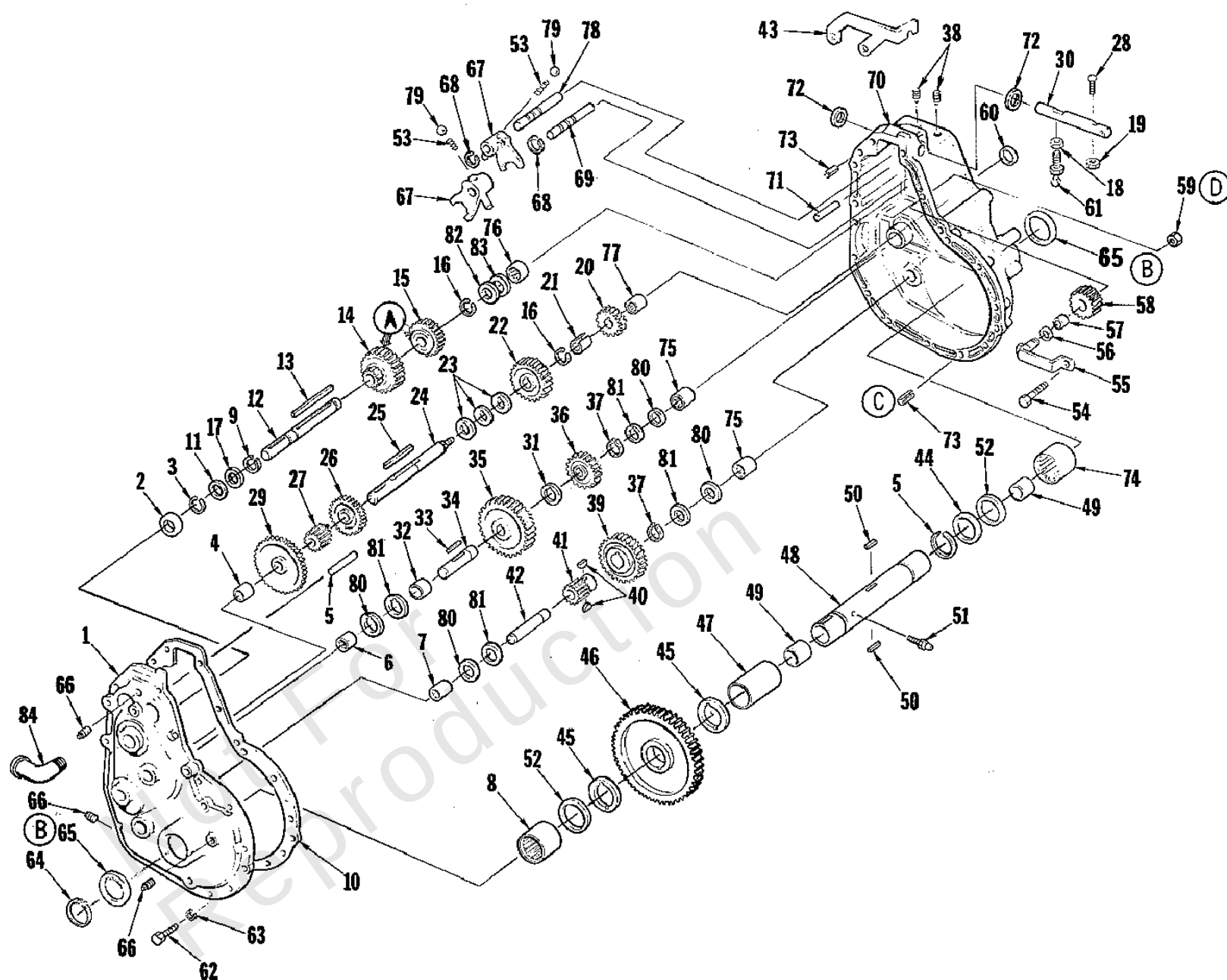
Steering & Front Axle Group (3859/14)

REF NO	PART NO	QTY	DESCRIPTION
52	LM-09192-62	1	NUT, Jam
53	LM-16066-11	1	ARM ASSEMBLY, Steering
54	LM-01542-58	2	NEEDLE BEARING
55	LM-09234-28	3	NUT, Hex Lock, 3/8-16
56	LM-09193-18	4	SCREW, Hex Head Cap, 5/16-18 x 5/8
57	LM-09173-56	4	WASHER, Lock, 5/16
58	LM-01573-02	1	BRACKET, Steering
59	LM-16065-01	1	GEAR, Steering
60	LM-01081-82	1	WASHER, Arbor

Transmission Group (3859105)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1600337



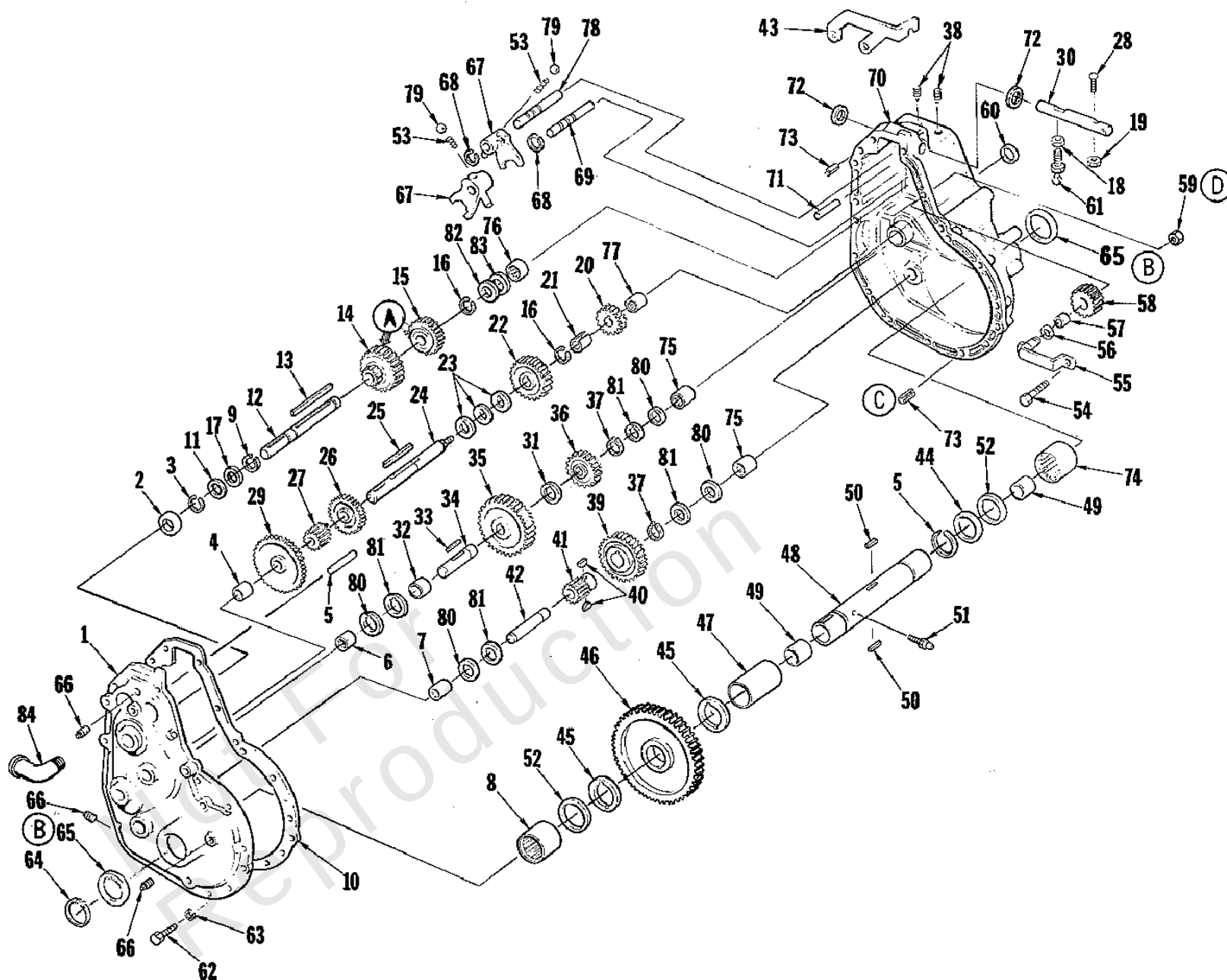
Transmission Group (3859I05)

REF NO	PART NO	QTY	DESCRIPTION
1	LM-01642-26	1	COVER, Gear Case Sub Assembly
2	LM-01082-02	1	BEARING
3	LM-01640-64	1	RING, Retaining
4	LM-01542-57	1	BEARING, Needle
5	LM-01545-37	1	ROLL PIN ASSEMBLY
6	LM-01542-71	1	BEARING, Needle
7	LM-01542-59	1	BEARING, Needle
8	LM-01575-20	1	BEARING, Needle
9	LM-01181-34	1	RING, Retaining
10	LM-01642-34	1	GASKET, Gear Case
11	LM-01084-72	1	WASHER
12	LM-01743-38	1	SHAFT, Pulley
12	LM-01743-38	1	SHAFT, Pulley
13	LM-01738-07	1	KEY
14	LM-01642-94	1	PINION ASSEMBLY
15	LM-01540-75	1	PINION ASSEMBLY, Rev. & II
16	LM-01540-72	1	RING, Retaining
17	LM-01544-62	2	WASHER
18	LM-09221-32	1	NUT, Full, 3/8-24
19	LM-09201-61	1	NUT, Hex Jam Fin, 5/16-18
20	LM-01742-28	1	PINION, Rev. & IV
21	LM-01540-82	1	SPACER
22	LM-01540-81	1	GEAR, Driven II
23	LM-80610-12	1	SPACER, Transmission Gear
24	LM-01572-90	3	SHAFT, 1st Intermediate
25	LM-01543-54	1	KEY
26	LM-01540-80	1	PINION, Driven III
27	LM-01540-79	1	PINION, 1st Intermediate
28	LM-01722-41	1	BOLT, Round Head, 5/16-18 x 1
29	LM-01540-78	1	GEAR, Driven 1st
30	LM-01642-50	1	ROD, Shift Assembly
31	LM-01540-38	1	WASHER
32	LM-01540-90	1	SPACER
33	LM-01542-67	1	KEY
34	LM-01540-86	1	SHAFT, 2nd Intermediate
35	LM-01540-89	1	GEAR, 2nd Intermediate
36	LM-01640-62	1	PINION, 2nd Intermediate
37	LM-01542-66	2	RING, Retaining
38	LM-09172-31	2	SCREW, Set Socket head, 5/16-18 x 1/2
39	LM-01640-51	1	GEAR, 3rd Intermediate
40	LM-09102-24	2	KEY, Woodruff #6
41	LM-01540-92	1	PINION, 3rd Intermediate
42	LM-01540-91	1	SHAFT, 3rd Intermediate
43	LM-01642-51	1	SUPPORT, Switch
44	LM-01540-97	1	WASHER
45	LM-01541-30	2	WASHER, Axle Tube
46	LM-01540-95	1	GEAR, Drive
47	LM-01540-98	1	SPACER, Axle Tube
48	LM-01642-22	1	TUBE & BUSHING ASSEMBLY
49	LM-01642-24	1	BUSHING
50	LM-01540-96	2	KEY

Transmission Group (3859105)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1600337



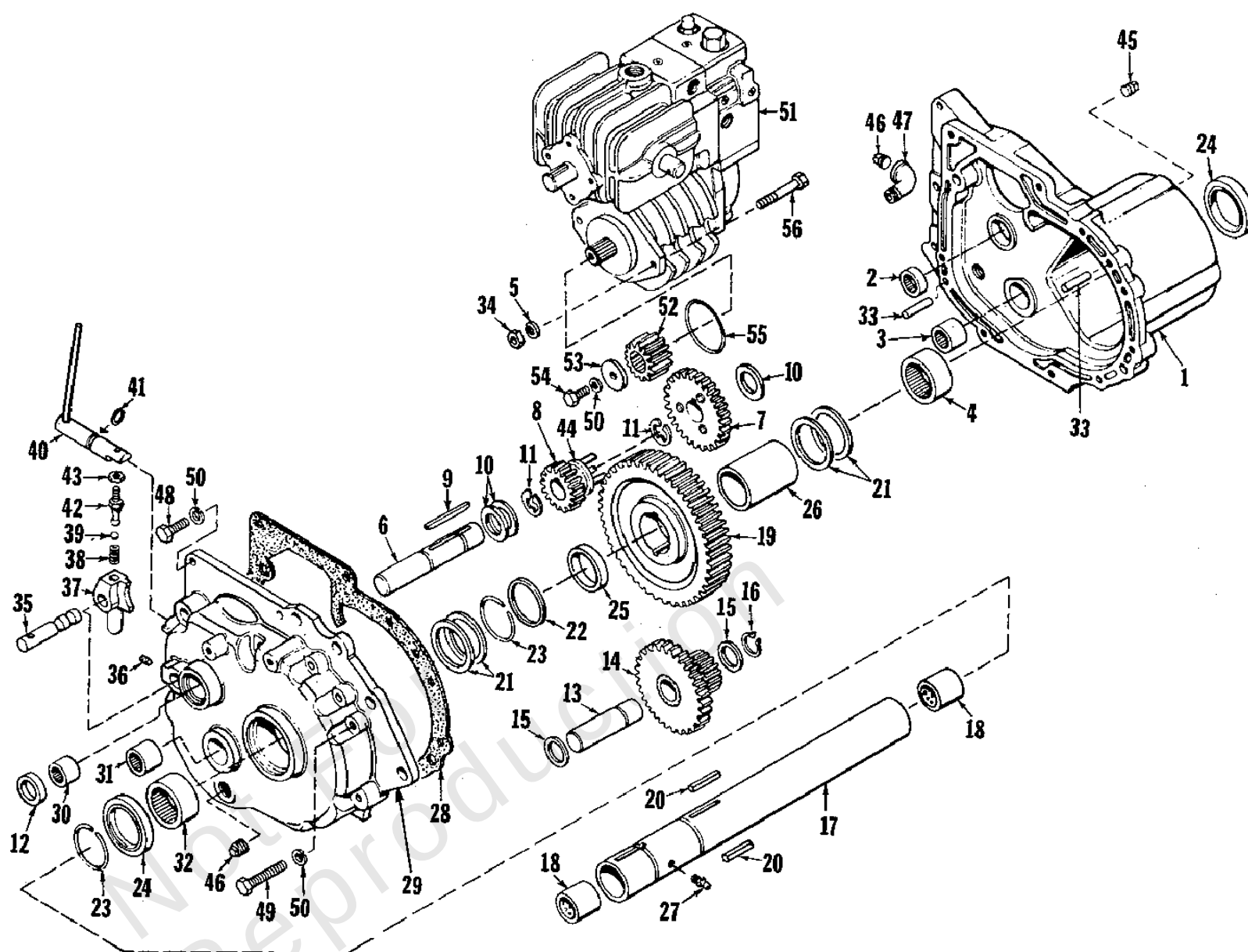
Transmission Group (3859I05)

REF NO	PART NO	QTY	DESCRIPTION
51	LM-09128-08	1	FITTING, Lube
52	LM-01729-77	2	WASHER
53	LM-01543-23	2	SPRING
54	LM-09174-00	1	SCREW, Hex Head Cap, 3/8-16 x 1-1/4
55	LM-01543-52	1	PIN ASSEMBLY, Reverse Gear
56	LM-01543-25	1	WASHER
57	LM-01540-84	1	SPACER, Reverse Gear
58	LM-01540-87	1	GEAR, Reverse
59	LM-09180-16	1	NUT, Hex Lock Fin
60	LM-01542-63	1	SEAL, Oil
61	LM-01542-61	1	STEM, Shift
62	LM-09164-31	14	SCREW, Hex Head Cap, 5/16-18 x 1
63	LM-09173-56	14	WASHER, Lock, 5/16
64	LM-01542-68	2	RING, Snap
65	LM-01542-69	2	SEAL
66	LM-09016-53	3	PLUG, Pipe
67	LM-01540-69	2	FORK, Shift
68	LM-80610-48	2	RING, Retaining
69	LM-01540-68	1	SHAFT, Shifter, Hi-Lo
70	LM-01575-16	1	CASE, Gear Sub Assembly
70	LM-01745-82	1	CASE, Gear Sub Assembly
71	LM-01545-38	1	ROLL PIN SUB ASSEMBLY
72	LM-01576-19	2	SEAL, Oil
73	LM-09181-13	2	PIN, Roll
74	LM-01575-19	1	BEARING, Needle
75	LM-01542-59	2	BEARING, Needle
75	LM-01542-59	1	BEARING, Needle
76	LM-01542-57	1	BEARING, Needle
77	LM-01542-58	1	BEARING, Needle
78	LM-01540-67	1	SHAFT, Shifter Reverse Medium
79	LM-01542-62	2	BALL, Shift Lock
80	LM-01729-79	4	WASHER
81	LM-01729-78	3	WASHER
81	LM-01729-78	4	WASHER
82	LM-01729-82	1	WASHER
83	LM-01729-81	1	WASHER
84	LM-09017-23	1	ELBOW, Street

Transmission Group (3859I06)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1600337



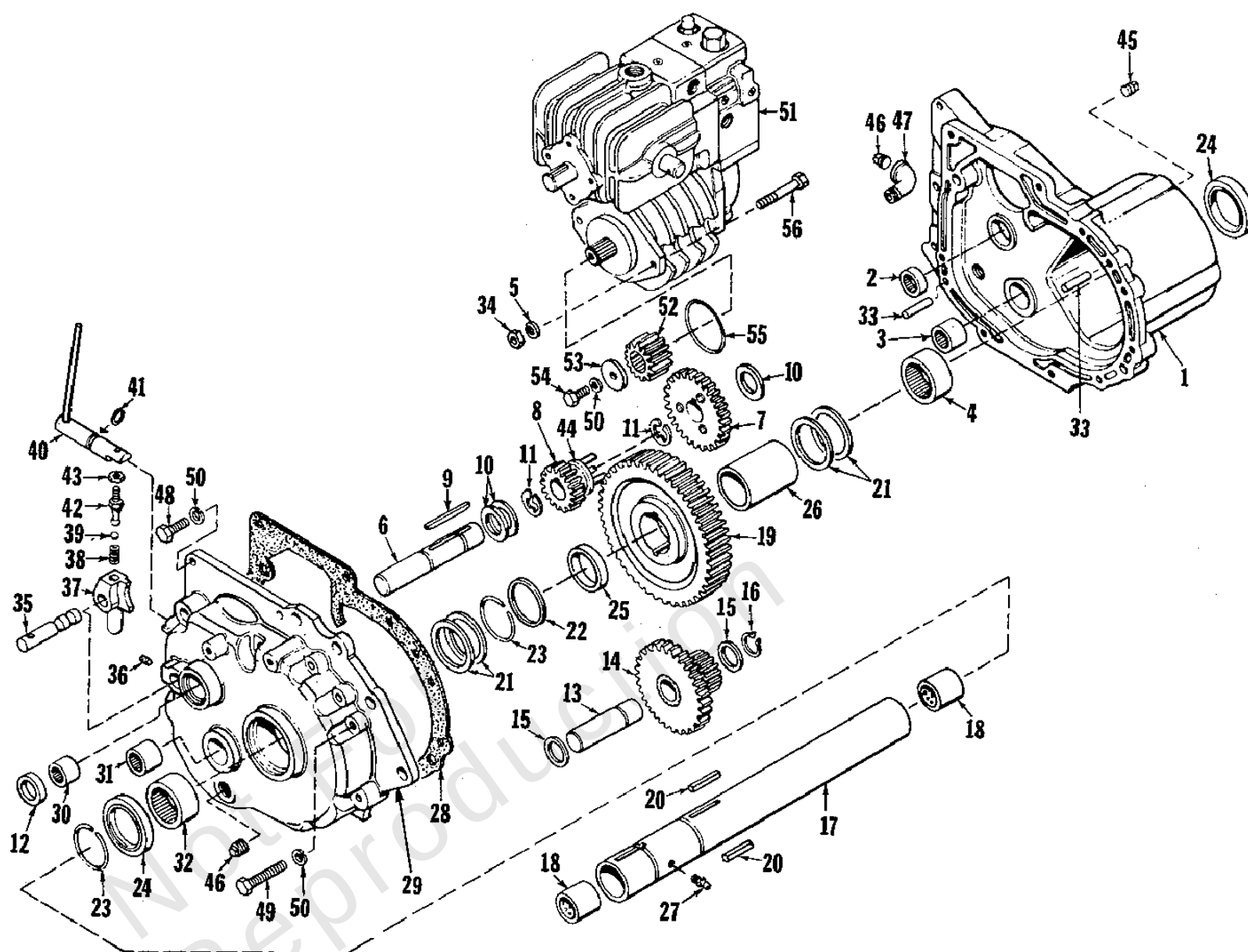
Transmission Group (3859I06)

REF NO	PART NO	QTY	DESCRIPTION
1	LM-01661-05	1	GEAR CASE
2	LM-01542-71	1	BEARING, Needle
3	LM-01660-18	1	BEARING, Needle
4	LM-01575-19	1	BEARING, Needle
5	LM-09191-99	2	WASHER, Lock, 7/16
6	LM-01762-46	1	BRAKE SHAFT
7	LM-01762-45	1	GEAR, 1st Intermediate
8	LM-01762-43	1	PINION, 1st Intermediate
9	LM-01762-44	1	KEY
10	LM-01660-13	3	WASHER
11	LM-01769-80	2	RING, Retainer
12	LM-01660-21	1	SEAL, Oil
13	LM-01660-12	1	SHAFT, Intermediate
14	LM-01762-36	1	PINION & GEAR ASSEMBLY
15	LM-01660-16	2	WASHER
16	LM-01660-17	1	RING, Retaining
17	LM-01660-66	1	AXLE TUBE ASSEMBLY
18	LM-01642-24	2	BUSHING
19	LM-01660-06	1	GEAR, Drive
20	LM-01540-96	2	KEY
21	LM-01540-97	4	WASHER
22	LM-01661-67	1	WASHER
23	LM-01542-68	2	RING, Snap
24	LM-01542-69	2	SEAL
25	LM-01660-40	1	SPACER, Side, R.H.
26	LM-01660-41	1	SPACER, Side, L.H.
27	LM-09128-08	1	FITTING, Grease
28	LM-01660-43	1	GASKET, Gear Case
29	LM-01661-03	1	COVER, Gear Case Sub Assembly
30	LM-01660-19	1	BEARING, Needle
31	LM-01660-18	1	BEARING, Needle
32	LM-01575-19	1	BEARING, Needle
33	LM-09183-90	2	PIN, Roll, 3/8 x 1
34	LM-09182-13	2	NUT, Full Hex, 7/16-14
35	LM-01762-39	1	SHAFT, Shifter
36	LM-09172-31	1	SCREW, Cone Point, Hollow Head, 5/16-18 x 1/2
37	LM-01762-34	1	FORK, Shift
38	LM-01543-23	1	SPRING
39	LM-01542-62	1	BALL, Shift Lock
40	LM-01762-38	1	SHIFT SHAFT ASSEMBLY
41	LM-09235-48	1	RING, "O"
42	LM-01660-29	1	STEM, Shift
43	LM-09204-38	1	NUT, Hex Jam, 5/16-24
44	LM-01762-42	1	FLANGE, Drive
45	LM-09016-52	1	PLUG, Pipe, 1/4
46	LM-09016-53	2	PLUG, Pipe
47	LM-09017-23	1	ELBOW, Street, 3/8
48	LM-09164-31	5	SCREW, Hex Cap, 5/16-18 x 1
49	LM-09193-54	4	SCREW, Hex Cap, 5/16-18 x 2
50	LM-09173-56	10	WASHER, Lock, 5/16
51	LM-01660-97	1	PUMP & MOTOR UNIT, Hydrostatic

Transmission Group (3859I06)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1600337



Transmission Group (3859I06)

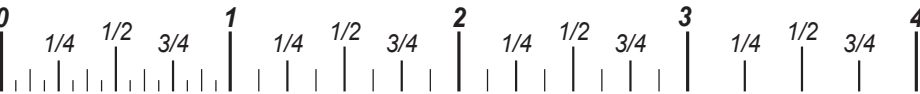
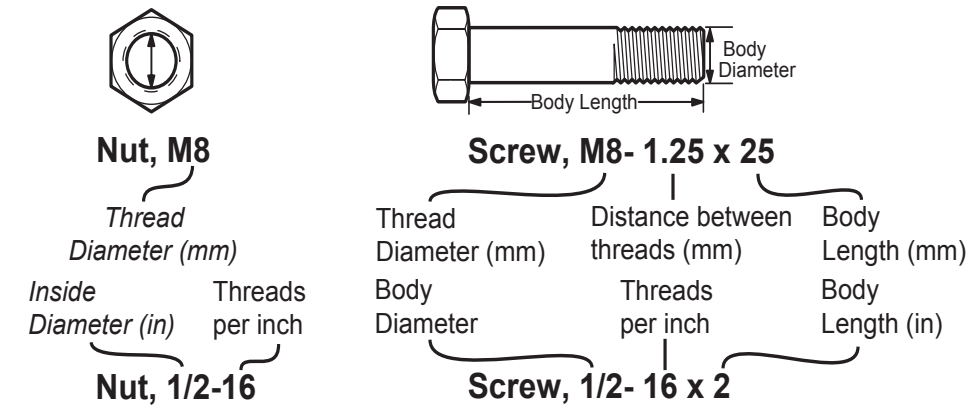
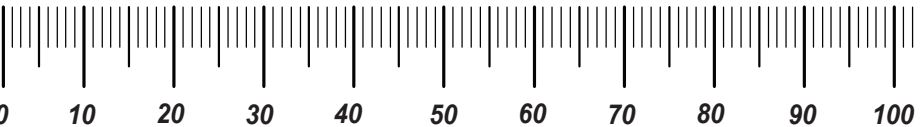
REF NO	PART NO	QTY	DESCRIPTION
52	LM-01660-03	1	PINION, Motor Shaft
53	LM-01231-44	1	WASHER
54	LM-09219-80	1	SCREW, Hex Cap, 5/16-24 x 5/8
55	LM-01660-26	1	RING, "O"
56	LM-01762-42	1	SCREW, Hex Cap, 7/16-14 x 4

Not For Reproduction

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).

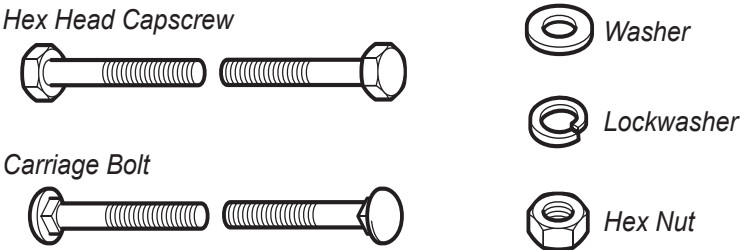
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

