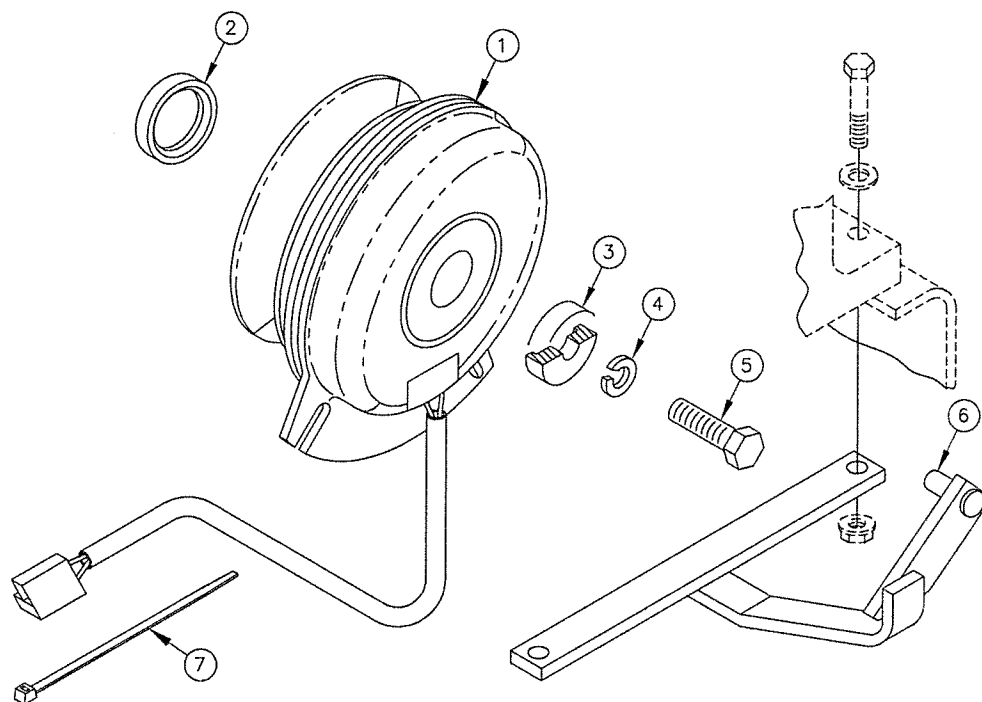


Tractor Model
 3018-4 4218
 3023-1 4221
 4018-4 4223
 4021-1

FOOT & HAND SPEED CONTROL COMPACT TRACTORS
 with VANGUARD Engine 1.125 Dia. PTO Shaft
 with MANUAL STEERING PULLEY Towards Engine
 with PTO reverse lockout

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PTO ELECTRIC CLUTCH



REF.	PART NO.	DESCRIPTION	REQ'D.
1	C48629	KIT - Electric Clutch w/Tag 1.125 Bore-CW---	1
	REF.	C48490 CLUTCH - Electric 1.125 Bore-CW---	1
	REF.	C47425 TAG - Electric Clutch Burnishing---	1
2	C33200	WASHER 1.15 x 1.62 x .25-Thk.-----	1
3	C48775	WASHER - Cup .453 x 1.50 x .25-Thk.-----	1
4	192-22	WASHER - Lock 7/16-ZP-----	1
5	114-303	BOLT 7/16-20 x 1-1/2 Hx Hd-GR5-ZP---	1
6	C48772	BRACKET - Anti-Rotation (Vanguard)-----	1
7	C22947	TIE - Cable .15 x 8"-Nylon-----	1

Tractor Model
 3016 4016
 3018 4018
 3020 4020

HAND SPEED CONTROL COMPACT TRACTORS

with ONAN Engine
 with MANUAL STEERING

1.125 Dia. PTO Shaft
 PULLEY Towards Engine

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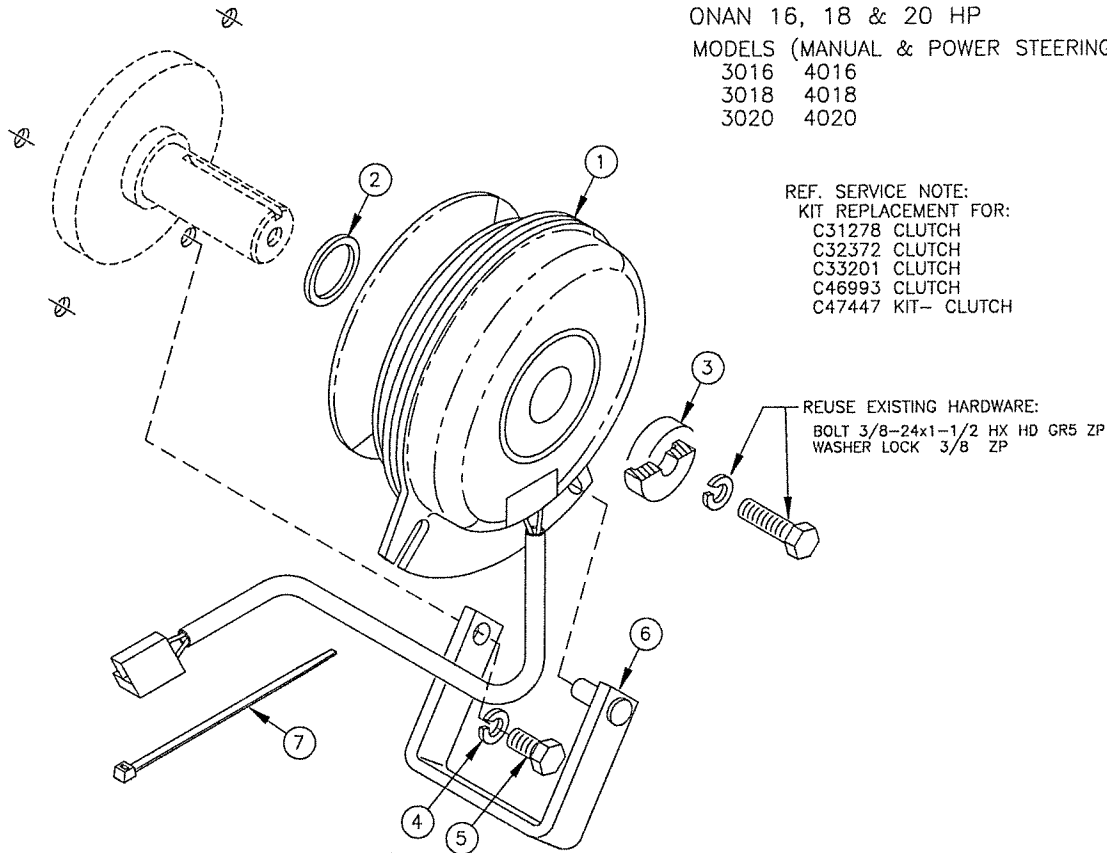
PTO ELECTRIC CLUTCH KIT C48626

ONAN 16, 18 & 20 HP

MODELS (MANUAL & POWER STEERING):

3016 4016
 3018 4018
 3020 4020

REF. SERVICE NOTE:
 KIT REPLACEMENT FOR:
 C31278 CLUTCH
 C32372 CLUTCH
 C33201 CLUTCH
 C46993 CLUTCH
 C47447 KIT- CLUTCH



REF.	PART NO.	DESCRIPTION	REQ'D.
1	C48629	KIT - Electric Clutch w/Tag 1.125 Bore - CW - -	1
	REF.	C48490 CLUTCH - Electric 1.125 Bore - CW - -	1
	REF.	C47425 TAG - Electric Clutch Burnishing - - -	1
2	C29811	WASHER 1.25 x 1.50 x .100 Thk. - - - - -	1
3	C48775	WASHER - Cup .453 x 1.50 x .25 Thk. - - - - -	1
4	192-21	WASHER - Lock 3/8-ZP - - - - -	1
5	114-303	BOLT 3/8-16 x 1 Hx Hd GR5 - ZP - - - - -	1
6	C48776	BRACKET - Anti-Rotation (Onan) - - - - -	1
7	C22947	TIE - Cable .15 x 8" - Nylon - - - - -	1
8	8-61190	SHEET - Instructions For C48626-Kit - - - - -	1

Service note:

Order C48626 KIT (includes items 1 thru 8) to replace the following clutches:

C31278 CLUTCH C33201 CLUTCH C47447 KIT - CLUTCH
 C32372 CLUTCH C46993 CLUTCH

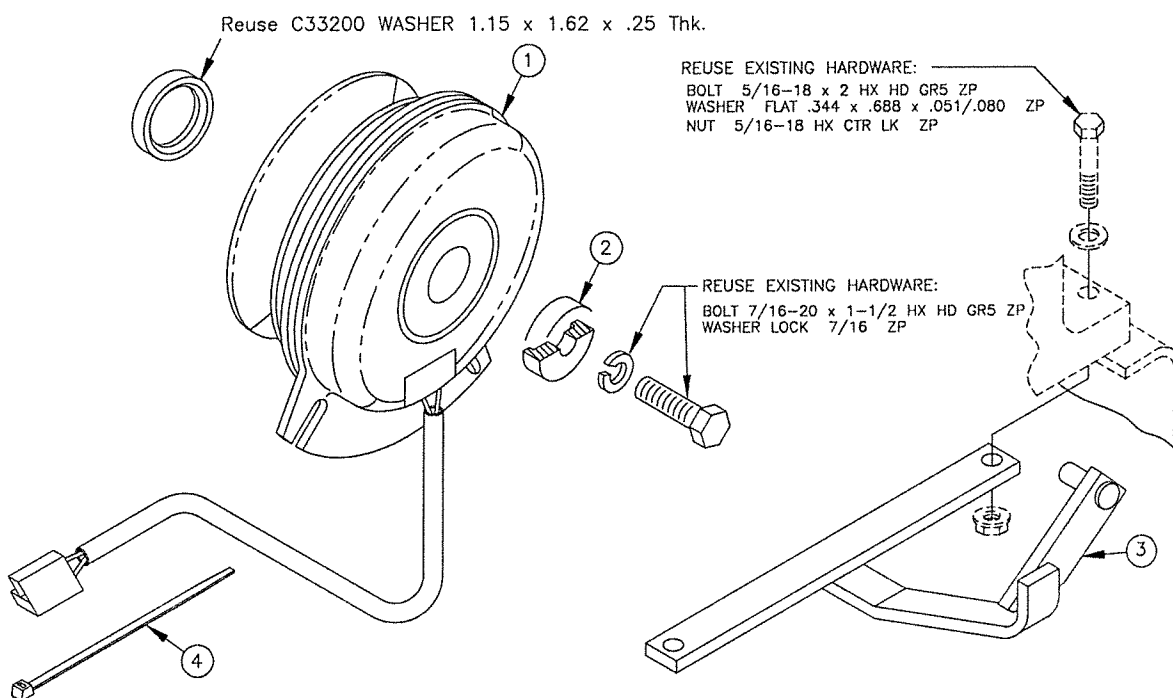
Tractor Model
3016-4 4016-3
3018-3 4018-3
4021
4023

HAND SPEED CONTROL COMPACT TRACTORS
with VANGUARD Engine 1.125 Dia. PTO Shaft
with MANUAL STEERING PULLEY Towards Engine
with out PTO reverse lockout

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Before S/N: 40001000

PTO ELECTRIC CLUTCH KIT C48626



REF.	PART NO.	DESCRIPTION	REQ'D.
1	C48629	KIT - Electric Clutch w/Tag 1.125 Bore - CW - -	1
	REF.	C48490 CLUTCH - Electric 1.125 Bore - CW - -	1
	REF.	C47425 TAG - Electric Clutch Burnishing - - -	1
2	C48775	WASHER - Cup .453 x 1.50 x .25-Thk. - - - -	1
3	C48772	BRACKET - Anti-Rotation (Vanguard) - - - - -	1
4	C22947	TIE - Cable .15 x 8"-Nylon - - - - -	1
5	8-61190	SHEET - Instructions For C48626-Kit - - - - -	1

Service note:

Order C48626 KIT (includes items 1 thru 5) to replace the following clutches:

C31278 CLUTCH C33201 CLUTCH C47447 KIT - CLUTCH
C32372 CLUTCH C46993 CLUTCH

Tractor Model
KOHLEK Engine
3010 4014
3012
3014

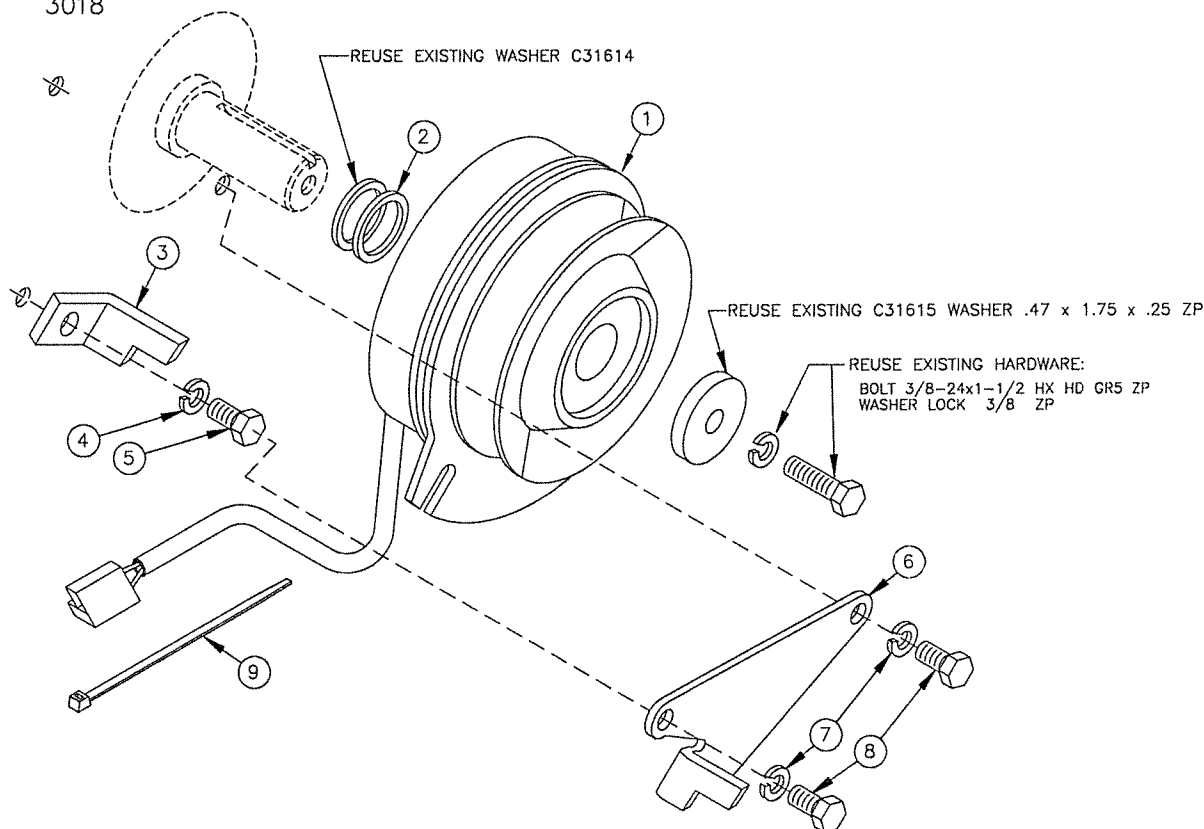
HAND SPEED CONTROL COMPACT TRACTORS

— with KOHLER Engine 1.00 Dia. PTO Shaft
— with VANGUARD Engine 1.00 Dia. PTO Shaft
with MANUAL STEERING

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Tractor Model
VANGUARD Engine
ODYSSEY (14 HP)
3012 4016
3014 4018
3016
3018

PTO ELECTRIC CLUTCH



REF.	PART NO.	DESCRIPTION	REQ'D.
1	C48625	KIT - Electric Clutch w/Tag 1.00 Bore -GCW---	1
	REF.	C48491 CLUTCH - Electric 1.00 Bore -GCW---	1
	REF.	C47425 TAG - Electric Clutch Burnishing---	1
2	C31614	WASHER - 1.03 x 1.50 x .25-Thk.-----	1
3	C48778	BRACKET - Anti-Rotation (Vanguard)-----	1
4	192-22	WASHER - Lock 7/16-ZP-----	1
5	113-310	BOLT 7/16-14 x 1 Hx Hd GR5-ZP-----	1
6	C48779	BRACKET - Anti-Rotation (Kohler)-----	1
7	192-21	WASHER - Lock 3/8-ZP-----	2
8	113-207	BOLT 3/8-16 x 1 Hx Hd GR5-ZP-----	2
9	C22947	TIE - Cable .15 x 8"-Nylon-----	1
10	8-61180	SHEET - Instructions For C48625-Kit-----	1

Service note:

Order C48626 KIT (includes items 1 thru 8) to replace the following clutches:

C31296 CLUTCH C46992 CLUTCH C47443 KIT - CLUTCH
C33197 CLUTCH

Tractor Model
3018-4 4018-4
3023-1 4021-1

HAND SPEED CONTROL COMPACT TRACTORS
with MANUAL STEERING
with PTO reverse lockout

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Manual: 8-3042

BRAKE ASSEMBLY

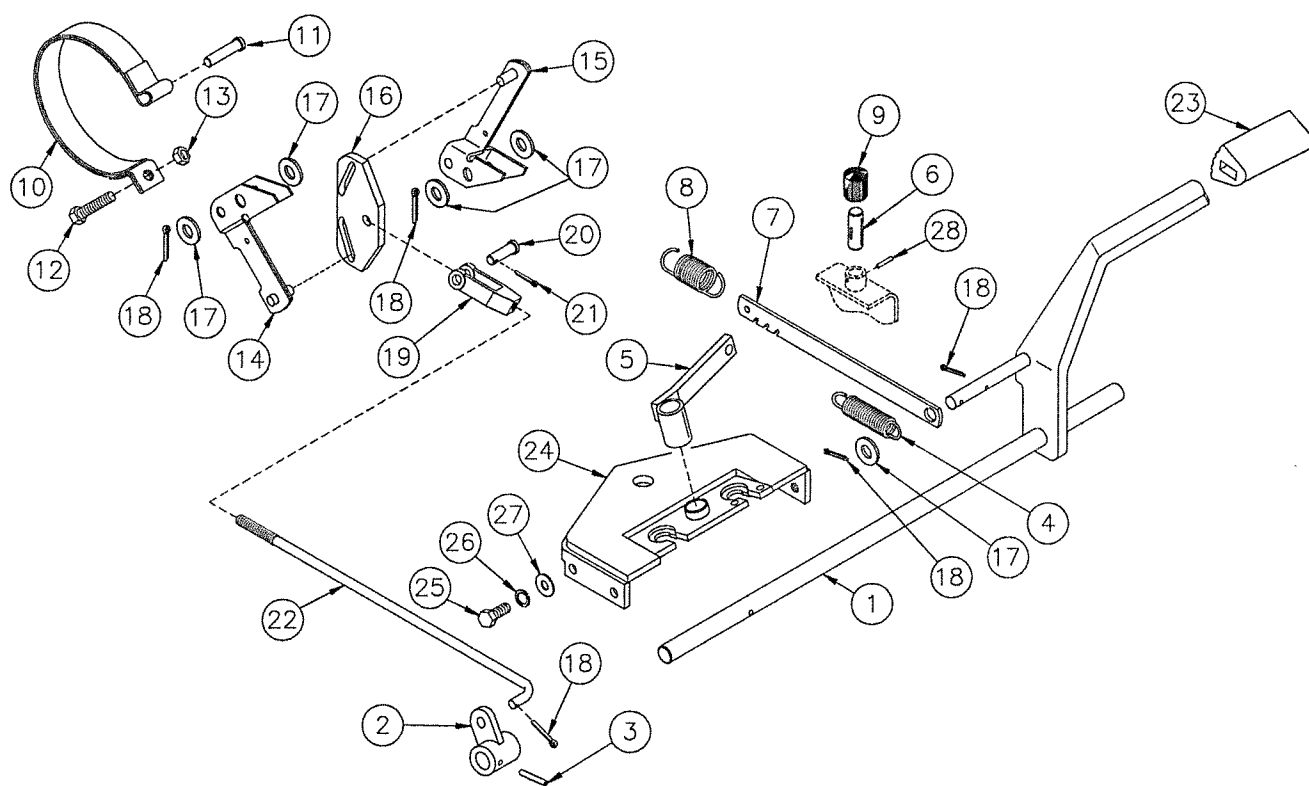
REF.	PART NO.	DESCRIPTION	REQ'D.
1	C33942	PEDAL - Brake Actuating-----	1
2	C26381	ARM - Brake Pedal-----	1
3	138-2073	PIN - Spirol 3/16 X-1-1/4"-----	1
4	C31660	SPRING - Return 3/4" OD x 3.19 LG-----	1
5	C48842	GUIDE - Neutral Return 3/4" ID HUB (manual steering)	1
6	C31604	ACCULATOR - Parking Brake-----	1
7	C31661	LEVER - Brake Lock-----	1
8	C21942	SPRING - Extension 1" OD x 2.75 LG-ZP-----	1
9	C31605	CAP - Accuator-----	1
10	C33427	BAND - Brake-----	1
11	C23910	PIN - Clevis 3/8 x 1-1/2 w/o Hole-ZP-----	1
12	113-2262	BOLT 3/8-16 x 1-1/2 Full Thr'd. Hx-Hd-----	1
13	129-143	NUT 3/8-16 Jam Hex-ZP-----	1
14	C23899	ARM - Brake-----	1
15	C24761	ARM - Brake (includes adjustment nut)-----	1
16	C40646	GUIDE - Brake Actuator-----	1
17	195-533	WASHER .531 x 1.062 x .097-ZP-----	5
18	132-310	PIN - Cotter 1/8 x 1-ZP-----	5
19	C28978	CLEVIS 3/8"-----	1
20	141-4	PIN - Clevis 3/8 x 1.06-----	1
21	132-321	PIN - Cotter 3/32 x 1-ZP-----	1
22	C31992	ROD - Brake 14.25" long (all 3000's)-----	1
22	C31993	ROD - Brake 16.25" long (all 4000's)-----	1
23	C31975	PAD - Foot Pedal-----	1
24	C49293	SUPPORT - Steering Gear (manual steering)-----	1
25	113-206	BOLT 3/8-16 x 3/4 Hex Hd-GR5-ZP-----	4
26	192-21	WASHER - Lock 3/8-ZP-----	4
27	195-103	WASHER .375 x .875 x .078-ZP-----	4
28	187-57	PIN - Roll 1/8 x 3/4-----	1

Tractor Model
3018-4 4018-4
3023-1 4021-1

HAND SPEED CONTROL COMPACT TRACTORS
with MANUAL STEERING
with PTO reverse lockout

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BRAKE ASSEMBLY



Tractor Model
4218
4221
4223

FOOT SPEED CONTROL COMPACT TRACTORS
with MANUAL STEERING
with PTO reverse lockout

Page 38.2.1
Supplement for
Manual: 8-3042

BRAKE ASSEMBLY

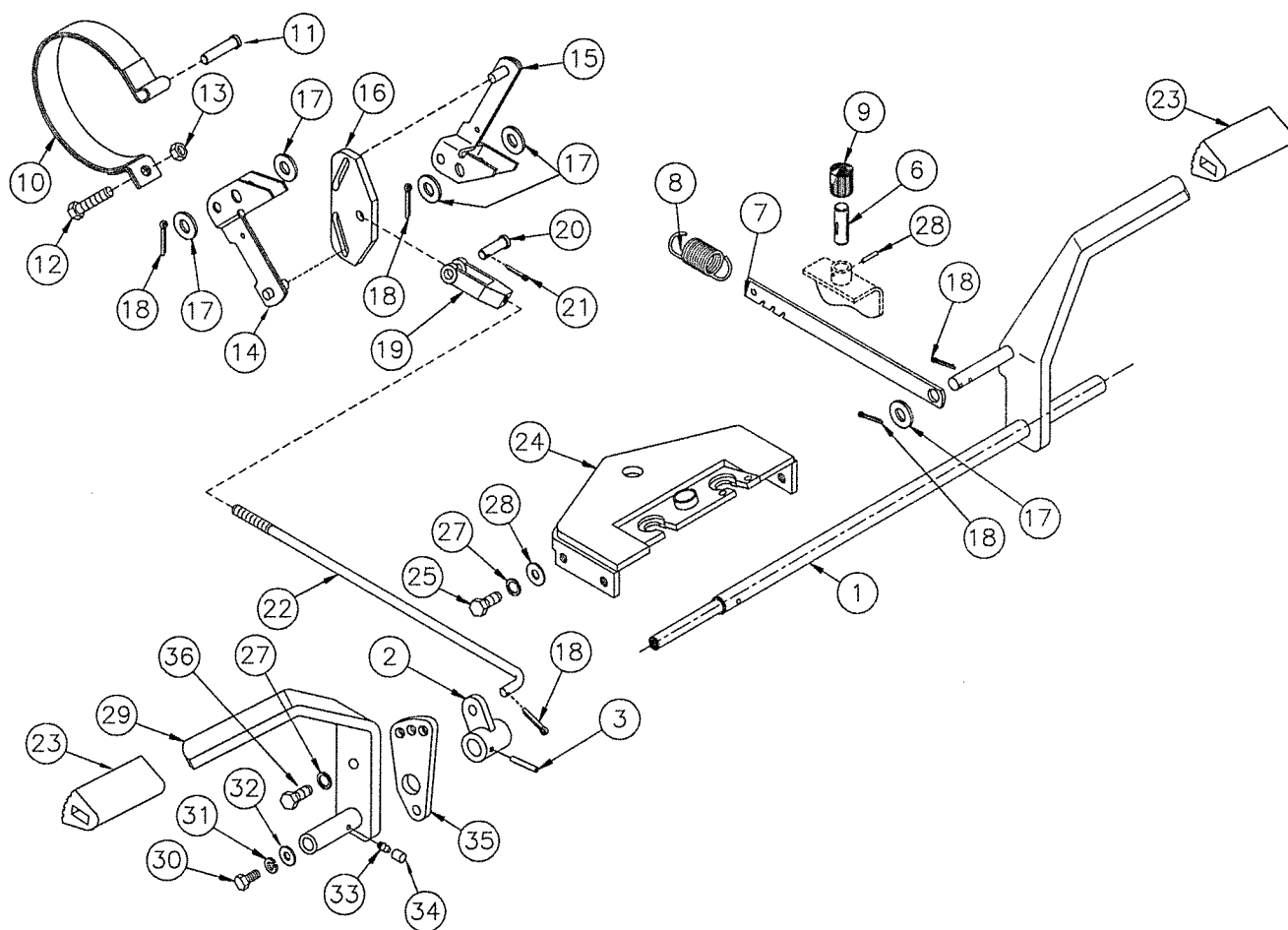
REF.	PART NO.	DESCRIPTION	REQ'D.
1	C48695	PEDAL - Brake Actuating (foot speed tractors)-	1
2	C26381	ARM - Brake Pedal-----	1
3	138-2073	PIN - Spirol 3/16 x 1-1/4"-----	1
4			
5			
6	C31604	ACCULATOR - Parking Brake-----	1
7	C31661	LEVER - Brake Lock-----	1
8	C21942	SPRING - Extension 1" OD x 2.75-LG-ZP-----	1
9	C31605	CAP - Accuator-----	1
10	C33427	BAND - Brake-----	1
11	C23910	PIN - Clevis 3/8 x 1-1/2 w/o Hole-ZP---	1
12	113-2262	BOLT 3/8-16 x 1-1/2 Full Thr'd. Hex Hd----	1
13	129-143	NUT 3/8-16 Jam Hex-ZP-----	1
14	C23899	ARM - Brake-----	1
15	C24761	ARM - Brake (includes adustment nut)-----	1
16	C40646	GUIDE - Brake Actuator-----	1
17	195-533	WASHER .531 x 1.062 x .097-ZP-----	5
18	132-310	PIN - Cotter 1/8 x 1-ZP-----	5
19	C28978	CLEVIS 3/8"-----	1
20	141-4	PIN - Clevis 3/8 x 1.06-----	1
21	132-321	PIN - Cotter 3/32 x 1-ZP-----	1
22	C31993	ROD - Brake 16.25" long (all 4000's)-----	1
23	C31975	PAD - Foot Pedal-----	2
24	C49293	SUPPORT - Steering Gear (manual steering)---	1
25	113-206	BOLT 3/8-16 x 3/4 Hex Hd-GR5-ZP-----	4
26	192-21	WASHER - Lock 3/8-ZP-----	5
27	195-103	WASHER .375 x .875 x .078-ZP-----	4
28	187-57	PIN - Roll 1/8 x 3/4-----	1
29	C48697	PEDAL - Speed Control-----	1
30	113-102	BOLT 5/16-18 x 5/8 Hex Hd-GR5-ZP-----	1
31	192-20	WASHER - Lock 5/16-ZP-----	1
32	195-102	WASHER 1/4 USS FLAT .320 x .742 x .074-ZP	1
33	219-403	ZERK - Grease 1/4 Dia. Drive-On-----	1
34	C13106	COVER - Grease Zerk Fitting-----	1
35	C48762	ARM - Foot Speed Pedal-----	1
36	113-221	BOLT 3/8-16 x 7/8 Hex Hd-GR5-ZP-----	1

Tractor Model
4218
4221
4223

FOOT SPEED CONTROL COMPACT TRACTORS
with MANUAL STEERING
with PTO reverse lockout

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BRAKE ASSEMBLY



Tractor Model
 3018-4 4218
 3023-1 4221
 4018-4 4223
 4021-1

FOOT & HAND SPEED CONTROL COMPACT TRACTORS
 with MANUAL STEERING
 with PTO reverse lockout

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 Manual: 8-3042

HYDRAULIC CONTROL VALVE

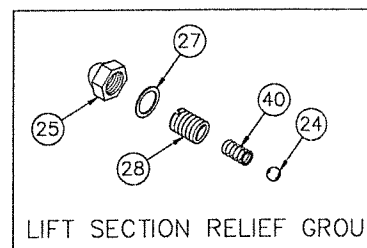
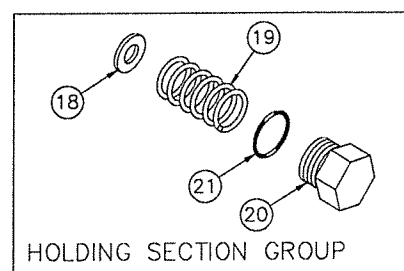
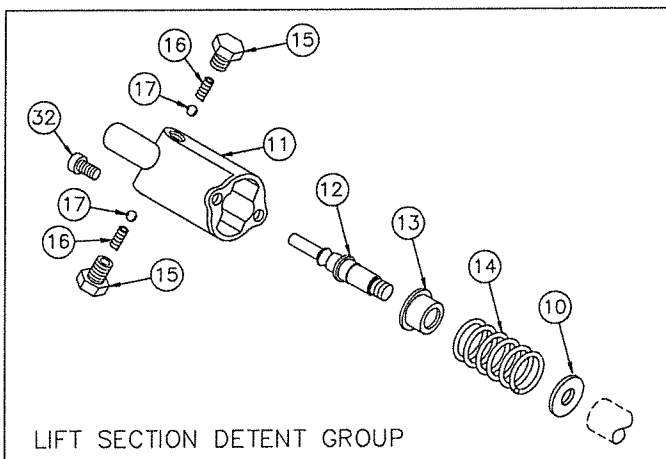
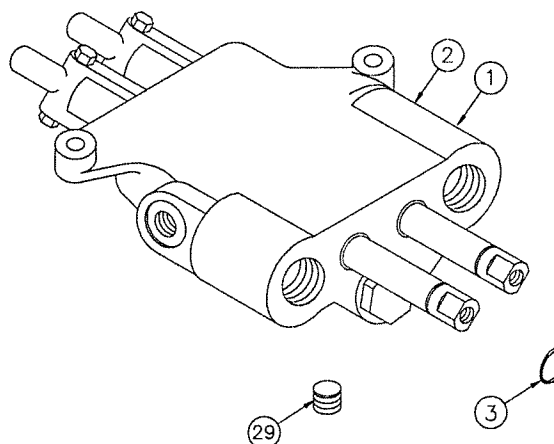
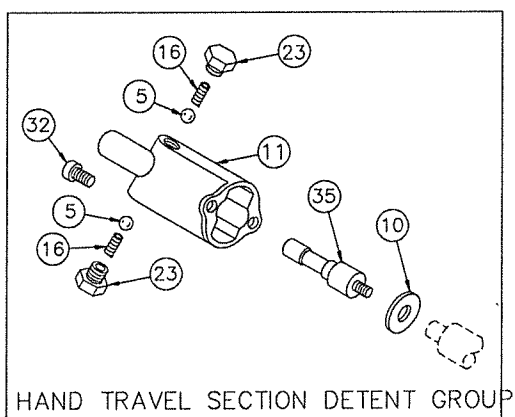
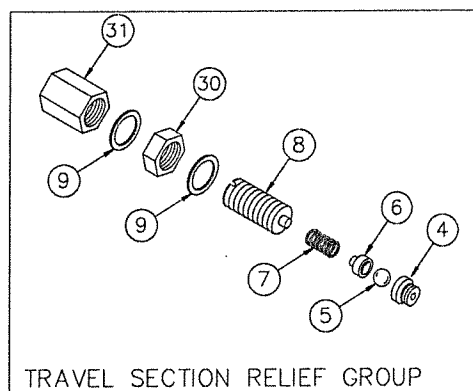
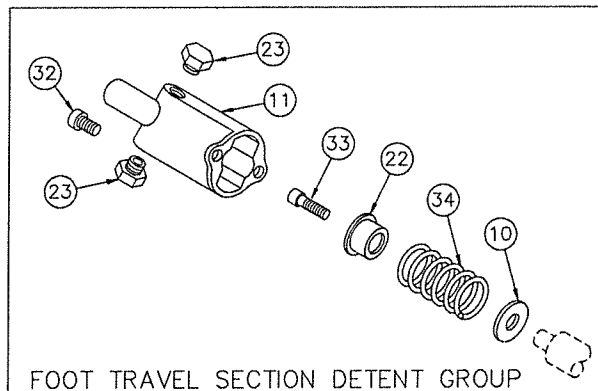
REF.	PART NO.	DESCRIPTION	F.S. = Foot Speed Control H.S. = Hand Speed Control		REQ'D. F.S. H.S.	
1	C33473	VALVE - Control, 2 Spool-----			1	
2	C48745	VALVE - Control, 2 Spool w/TC Centering-Spool			1	
3	C28856	O-RING-----			4	4
4	C26663	VALVE - Seat-----			1	1
5	211-208	BALL - Steel 5/16-Dia-----			1	1
6	C21506	RETAINER - Ball-----			1	1
7	C21507	SPRING - Relief (Travel) .435 OD x 1.40 LG--			1	1
8	C26665	SCREW - Adjustment (Travel) 9/16-18-x-1.0 LG			1	1
9	C26664	GASKET - .58 x .78 x .032-Teflon-----			2	2
10	C28705	WASHER - Flat .332 x .800 x .075-Steel---			2	2
11	C17438	CAP - Detent End-----			2	2
12	C26668	SPOOL - Float Detent-----			1	1
13	C28707	SPACER - Detent-----			1	1
14	C28706	SPRING - (Spool Self-Centering)-----			1	1
15	C28708	PLUG - Detent 5/16-24 Thr'd.-x-.40 LG-----			2	2
16	C17444	SPRING - Detent .178 OD x-.48 LG-----			2	2
17	211-5	BALL - Steel 3/16-Dia-----			2	2
18	C29950	WASHER - Flat .380 x .750 x .075-Steel---			2	2
19	C29951	SPRING - Centering .620 OD x 1.20 LG-----			1	1
20	C29956	CAP - End Assembly w/O-Ring-----			2	2
21	C28217	O-RING, End Cap-----			1	1
22	C48812	SPACER - Travel Spool-----			1	1
23	C17443	PLUG - Detent 5/16-24 Thr'd.-x-.19-----			1	1
24	211-7	BALL - Steel 1/4-Dia-----			1	1
25	129-531	CAP - Adjustment 7/16-20-Thr'd-----			1	1
26	C17433	SCREW - Adjustment-----			1	1
27	C17435	GASKET - .45 x .62 x .032-Teflon-----			1	1
28	C21505	SPRING - Relief .365 OD x 1.25 LG-----			1	1
29	221-841	PLUG - 1/4 Pipe Hex Socket Hd.-Steel-----			1	1
30	129-166	NUT - Jam 9/16-18-Hex-ZP-----			1	1
31	C26666	CAP - Relief 9/16-18-Thr'D-----			1	1
32	169-114	SCREW #12-24 x 3/8 w/Lock Washer Phillip-Hd ZP			4	
33	165-32	SCREW #10-32 x 5/8 Hex-See-Hd-----			1	
34	C48794	SPRING - Travel Spool .65 ID x-1.41 LG-----			1	
35	C29958	SPOOL - Travel Detent-----				1
	C30002	KIT - Seal-----			1	1

Tractor Model
 3018-4 4218
 3023-1 4221
 4018-4 4223
 4021-1

FOOT & HAND SPEED CONTROL COMPACT TRACTORS
 with MANUAL STEERING
 with PTO reverse lockout

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HYDRAULIC CONTROL VALVE



Tractor Model
3018-4 4018-4
3023-1 4021-1

HAND SPEED CONTROL COMPACT TRACTORS
with MANUAL STEERING
with PTO reverse lockout

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DIRECTIONAL & SPEED CONTROL

TRAVEL LOCATOR

REF.	PART NO.	DESCRIPTION	REQ'D.
1	C48726	CARRIER - Travel Locator Control — — — — —	1
2	C48725	BRACKET - Switch Mount Rev. Lock Out — — — — —	1
3	C30275	SWITCH - Neutral/Safety Interlock — — — — —	3
4	C33696	SCREW #4-40 x 1-1/8 Hx FL Hd -ZP — — — — —	2
5	C33697	NUT #4-40 Hx Sems Lk External T. -ZP — — — — —	4
6	C37198	CAM - Switch — — — — —	1
7	C44029	RETAINER - Switch Lever — — — — —	1
8	187-1328	SCREW #8-18 x 3/8 Slf Tap AB Hx FL Hd -ZP — — — — —	2
9	163-C1	SCREW #4-40 x 3/4 Hx FL Hd -ZP — — — — —	2
10	C29635	TUBE - Spacer -ZP — — — — —	2
11	C30827	SPRING - Locator — — — — —	2
12	C48819	SUPPORT - Locator — — — — —	1
13	113-14	BOLT 1/4-20 x 2 Hx Hd GR5 -ZP — — — — —	2
14	192-19	WASHER Lock 1/4 -ZP — — — — —	2
15	C32362	LOCATOR - Travel Control (3000's, 3000PS's, 4000's, 4000PS's)	

TRAVEL LEVER: DIRECTION & SPEED

REF.	PART NO.	DESCRIPTION	REQ'D.
1	C46481	GRIP - Lever Handle (Black) — — — — —	1
2	C29636	BUSHING - Flip-Lok — — — — —	1
3	C48384	LEVER - Travel Control (3,4000's) — — — — —	1
4	C25178	WASHER .630 x .938 x .018/.023 -YW -ZP — — — — —	1
5	C44383	BEARING - Thrust Washer .510 x 1.00 x .125 — — — — —	1
6	C31681	SPRING - Compression — — — — —	1
7	138-2025	PIN - Spirol 1/8 x 1-1/2 -ZP — — — — —	1
8	C44384	STRAP - Retainer — — — — —	1
9	113-3	BOLT 1/4-20 x 3/4 Hx Hd GR5 -ZP — — — — —	2
10	192-19	WASHER Lock 1/4 -ZP — — — — —	2
11	129-101	NUT 1/4-20 Hex -ZP — — — — —	2
12	132-320	PIN - Cotter 3/32 x 3/4 -ZP — — — — —	1
13	129-122	NUT 5/16-24 Hex -ZP — — — — —	1
14	C31670	ROD - Control Valve — — — — —	1
15	C19025	JOINT - Ball 5/16-24 Thd. — — — — —	1
16	192-20	WASHER Lock 5/16 -ZP — — — — —	1
17	C49140	CAP - Vinyl (Yellow) — — — — —	1

DRAWBAR and TOW HITCH

REF.	PART NO.	DESCRIPTION	REQ'D.
1	C13360	DRAWBAR — — — — —	1
2	192-23	WASHER Lock 1/2 -ZP — — — — —	2
3	113-427	BOLT 1/2-13 x 1 Hx Hd GR5 -ZP — — — — —	2

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Tractor Model
4218
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FOOT SPEED CONTROL COMPACT TRACTORS
with MANUAL STEERING
with PTO reverse lockout

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DIRECTIONAL CONTROL

TRAVEL LOCATOR

REF.	PART NO.	DESCRIPTION	REQ'D.
1	C48726	CARRIER - Travel Locator Control — — — — —	1
2	C48725	BRACKET - Switch Mount Rev. Lock Out — — — — —	1
3	C30275	SWITCH - Neutral/Safety Interlock — — — — —	3
4	C33696	SCREW #4-40 x 1-1/8 Hx FL Hd — ZP — — — — —	2
5	C33697	NUT #4-40 Hx Sems Lk External T. — ZP — — — — —	4
6	C37198	CAM - Switch — — — — —	1
7	C44029	RETAINER - Switch Lever — — — — —	1
8	187-1328	SCREW #8-18 x 3/8 Sif Tap AB Hx FL Hd — ZP — — — — —	2
9	163-C1	SCREW #4-40 x 3/4 Hx FL Hd — ZP — — — — —	2
10	C29635	TUBE - Spacer — ZP — — — — —	2
11	C30827	SPRING - Locator — — — — —	2
12	C48819	SUPPORT - Locator — — — — —	1
13	113-14	BOLT 1/4-20 x 2 Hx Hd GR5 — ZP — — — — —	2
14	192-19	WASHER Lock 1/4 — ZP — — — — —	2
15	C48230	LOCATOR - Travel Control w/3 Detents — — — (only for 4200's)	2
16	C48728	BAR - Lever Stop — — — — —	1
17	113-118	BOLT 5/16-18 x 5/8 Hx Hd GR5 — ZP — — — — —	2
18	192-20	WASHER Lock 5/16 — ZP — — — — —	2

TRAVEL LEVER: DIRECTION CONTROL

REF.	PART NO.	DESCRIPTION	REQ'D.
1	C46481	GRIP - Lever Handle (Black) — — — — —	1
2	C29636	BUSHING - Flip-Lok — — — — —	1
3	C48702	LEVER - Travel Control (4200's) — — — — —	1
4	C25178	WASHER .630 x .938 x .018/.023 — YW — ZP — — — — —	1
5	C44383	BEARING - Thrust Washer .510 x 1.00 x .125 — — — — —	1
6	C31681	SPRING - Compression — — — — —	1
7	138-2025	PIN - Spirol 1/8 x 1-1/2 — ZP — — — — —	1
8	C44384	STRAP - Retainer — — — — —	1
9	113-3	BOLT 1/4-20 x 3/4 Hx Hd GR5 — ZP — — — — —	2
10	192-19	WASHER Lock 1/4 — ZP — — — — —	2
11	129-101	NUT 1/4-20 Hex — ZP — — — — —	2
12	C49140	CAP - Vinyl (Yellow) — — — — —	1

DRAWBAR and TOW HITCH

REF.	PART NO.	DESCRIPTION	REQ'D.
1	C13360	DRAWBAR — — — — —	1
2	192-23	WASHER Lock 1/2 — ZP — — — — —	2
3	113-427	BOLT 1/2-13 x 1 Hx Hd GR5 — ZP — — — — —	2

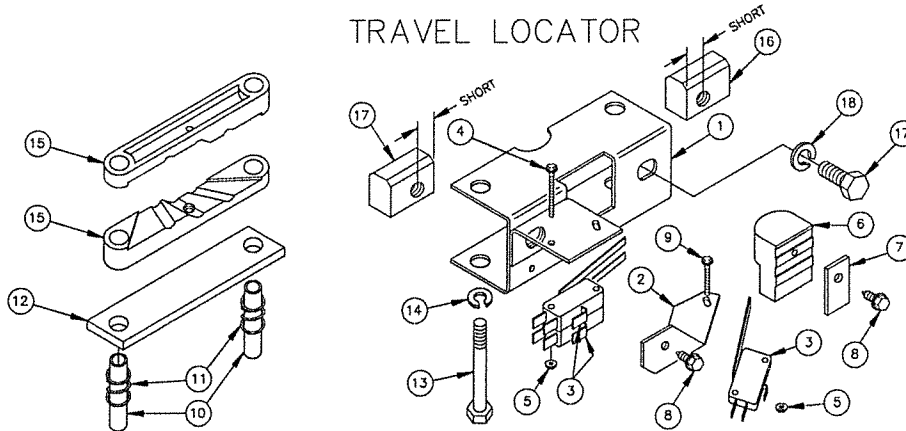
Tractor Model
4218
4221
4223

FOOT SPEED CONTROL COMPACT TRACTORS
with MANUAL STEERING
with PTO reverse lockout

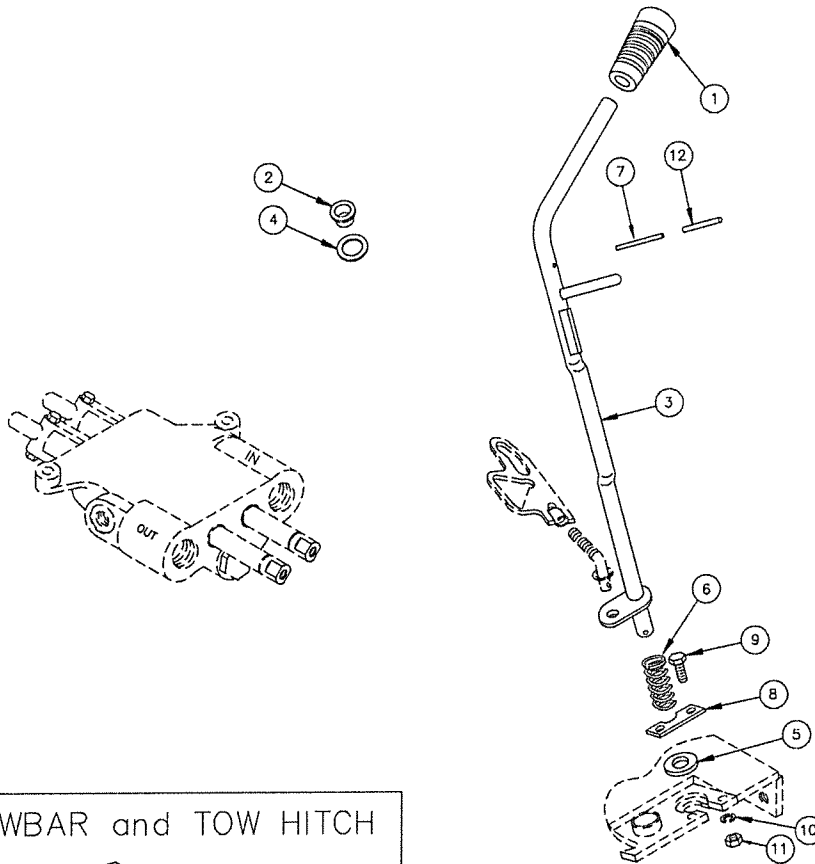
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DIRECTIONAL CONTROL

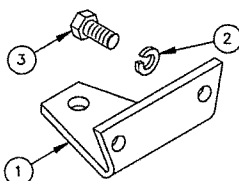
TRAVEL LOCATOR



TRAVEL LEVER: DIRECTION CONTROL



DRAWBAR and TOW HITCH



May 2013

8-3042.52.2

Tractor Model
4218
4221
4223

FOOT SPEED CONTROL COMPACT TRACTORS
with MANUAL STEERING
with PTO reverse lockout

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DIRECTIONAL & SPEED CONTROL

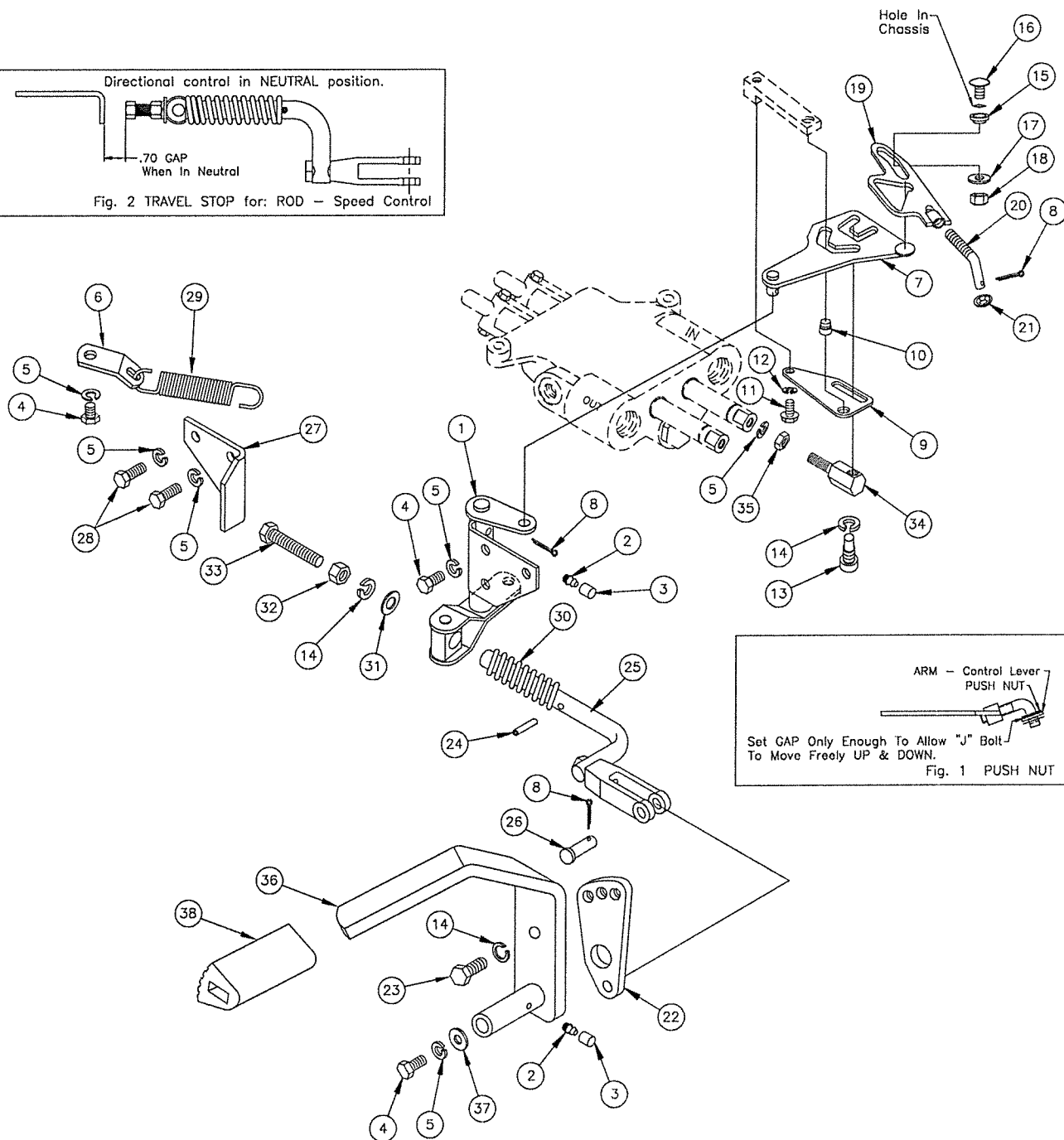
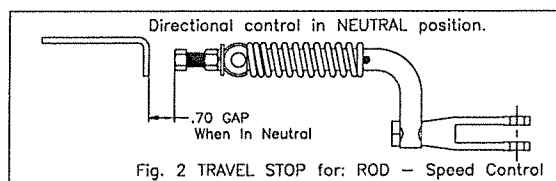
REF.	PART NO.	DESCRIPTION	REQ'D.
1	C48706	BELLCRANK - Speed Control — — — — —	1
2	219-403	ZERK - Grease 1/4 Dia. Drive-On — — — — —	2
3	C13106	COVER - Grease Zerk — — — — —	2
4	113-118	BOLT 5/16-18 x 5/8 Hx Hd-GR5 — ZP — — —	2
5	192-20	WASHER Lock 5/16 — ZP — — — — —	5
6	C48730	STRAP - Spring Anchor — — — — —	1
7	C48714	CAM - Plate, Travel Control — — — — —	1
8	132-320	PIN - Cotter 3/32 x 3/4 — ZP — — — — —	4
9	C48717	PLATE - Pin Guide — — — — —	1
10	C48718	BOLT - Shoulder 5/16 Thread — — — — —	1
11	121-21	BOLT 1/4-20 x 1/2 Hx Serr FL-Lk — ZP — —	1
12	192-19	WASHER Lock 1/4 — ZP — — — — —	1
13	C48719	BOLT/PIN - 3/8-16 x 1.25 — — — — —	1
14	192-21	WASHER Lock 3/8 — ZP — — — — —	1
15	C48720	HUB - Shoulder — — — — —	1
16	111-243	BOLT - Carrage 5/16 x 1 Short Nk — ZP — —	1
17	195-102	WASHER Flat .320 x .742 x .074 — ZP — —	1
18	131-69	NUT 5/16-18 Hx Lk w/Nylon Insert — ZP — —	1
19	C48721	LINK - Selector F-N-R — — — — —	1
20	C48723	BOLT - "J" 5/16-18 Thd. .95 x 1.85 — ZP — —	1
21	C30768	NUT - Push On (.312) — ZP — — — — —	1
22	C48762	ARM - Foot Pedal — — — — —	1
23	113-221	BOLT 3/8-16 x 7/8 Hx Hd-GR5 — ZP — — —	1
24	138-2071	PIN - Spirol 3/16 x 15/16 — — — — —	1
25	C48801	ROD - Speed Control — — — — —	1
26	141-51	PIN - Clevis SAE 3/8 x 1.06 — ZP — — — —	1
27	C48769	BRACKET - Stop, Foot Speed Control — — — —	1
28	113-102	BOLT 5/16-18 x 3/4 Hx Hd-GR5 — ZP — — —	2
29	C36998	SPRING - Extension .75 OD x 4.0 — — — —	1
30	C48765	SPRING - Compression .60 OD x 3.77 — — — —	1
31	195-525	WASHER Flat .406 x .812 x .051/.080 — ZP —	1
32	129-103	NUT 3/8-16 Hex — ZP — — — — —	1
33	123-203	BOLT - Tap 3/8-16 x 2 Hx Hd-GR5 — ZP — —	1
34	C48693	CLEVIS - Travel Speed — — — — —	1
35	129-122	NUT 5/16-24 Hex — ZP — — — — —	1
36	C48679	FOOT Pedal - Speed — — — — —	1
37	195-102	WASHER 1/4 USS Flat .320 x .742 x .074 — ZP	1
38	C31975	PAD - Foot Pedal — — — — —	1

Tractor Model
4218
4221
4223

FOOT SPEED CONTROL COMPACT TRACTORS
with MANUAL STEERING
with PTO reverse lockout

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DIRECTIONAL & SPEED CONTROL



Tractor Model
 3018-4 4218
 3023-1 4221
 4018-4 4223
 4021-1

FOOT & HAND SPEED CONTROL COMPACT TRACTORS
 with MANUAL STEERING
 with PTO reverse lockout

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ELECTRICAL SYSTEM

REF.	PART NO.	DESCRIPTION	REQ'D.
1	C48732	HARNESS - Wire, Main (Vanguard)-----	1
2	C33022	CABLE - Red 6 Ga. x 7.5 (Battery "+" to Solenoid) 1	
3	C31943	CABLE - Black 6 Ga. x 15" (Battery "-" to Engine Ground)	
4	C37272	CABLE - Black 6 Ga. x 33" (Solenoid to Engine Starter)	
5	C48003	HARNESS - Wire, Seat Switch (Vanguard)-----	1
6	C14537	CONNECTOR - Headlight-----	1
7	C37165	TAILLIGHT - Rear-----	1
8	C49439	SWITCH - Solenoid w/ 5/16-Studs-----	1
9	C31617	SENSOR - Voltage-----	1
	C25486	CONNECTOR - 3 Wire, Sensor-----	1
10	C32178	HEADLIGHT - 12 Volt (page 63 for service)-----	2
11	C43044	SWITCH - Headlights-----	1
12	C31937	SWITCH - PTO-----	1
	C31948	CONNECTOR - PTO Switch-----	1
13	C48529	BATTERY - 12 Volt 300 CCA Sealed-----	1
14	C32405	SWITCH - Ignition-----	1
	C24460	CONNECTOR - Ignition Switch-----	1
15	C48822	SWITCH - PTO Lockout-----	1
	C24460	CONNECTOR - Ignition Switch-----	1
16	C45917	HOURLY METER-----	1
17	C30938	SWITCH - Seat (Gray)-----	1
	C30937	CONNECTOR - Seat Switch-----	1
18	C30275	SWITCH - Micro (at Travel Lever)-----	3
	C30279	CONNECTOR - Micro Switch-----	3
19	C37399	SWITCH - Micro (at PTO)-----	2
	C30279	CONNECTOR - Micro Switch-----	2
20	C31947	KIT - Fuse Holder-----	1
21	C30260	FUSE - 30 AMP-----	1
22	C30262	BULB - Indicator-----	3
	C30263	SOCKET - Bulb-----	3
23	C42117	CONNECTOR - 6 Wire, Harness, Female-----	1
24	C42115	CONNECTOR - 6 Wire, Harness, Male-----	1
25	C31986	KIT - Diode-----	1
26	- -	CLUTCH PTO, Electric (see page 25.1)-----	1