

Repair Parts



CHALLENGER D510

SERIAL RANGE: 21286001 - 22288999

P-13540 (Rev C - 4/22)

COUNTRY CLIPPER
CHALLENGER-D510
SERIAL RANGE 21286001 - 22288999
ZERO TURN RADIUS MOWER
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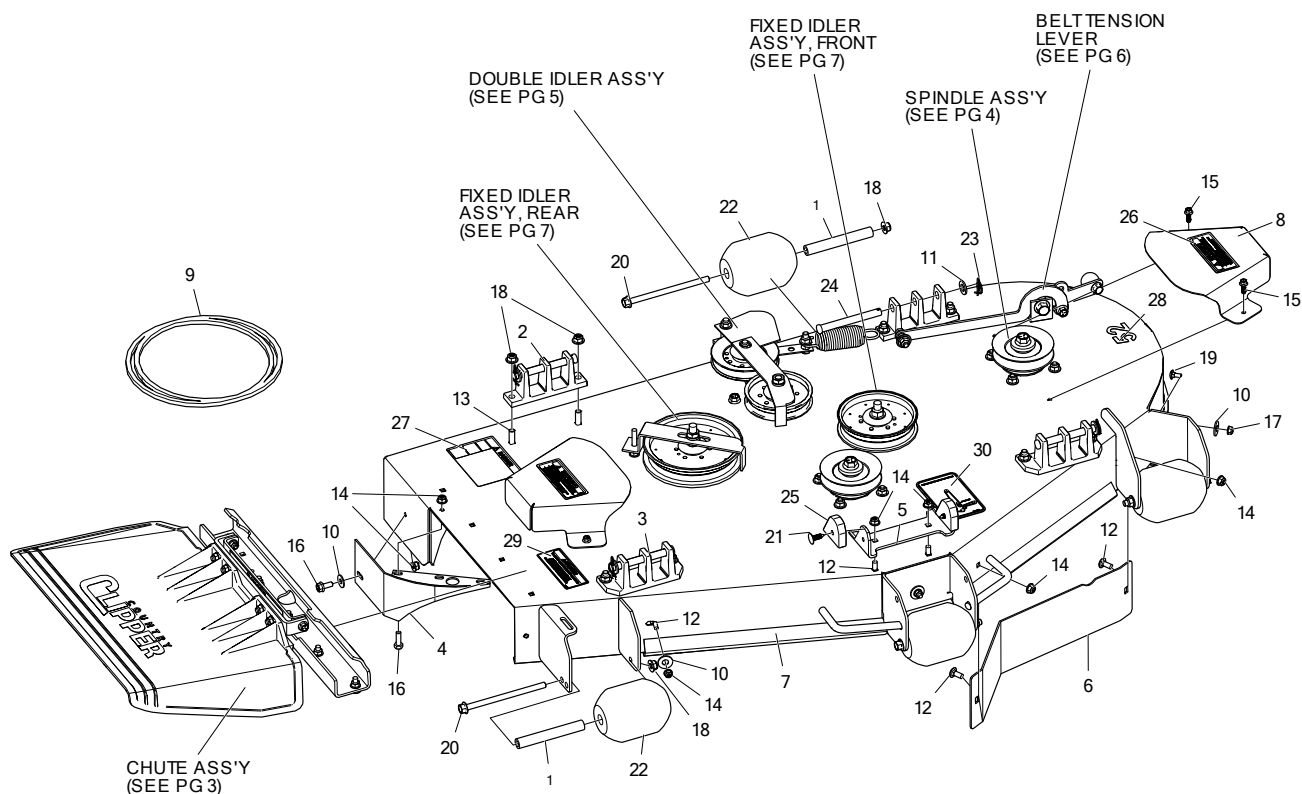
1. 52" DECK ASSEMBLY
2. 60" DECK ASSEMBLY
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4. DECK SPINDLE ASSEMBLY
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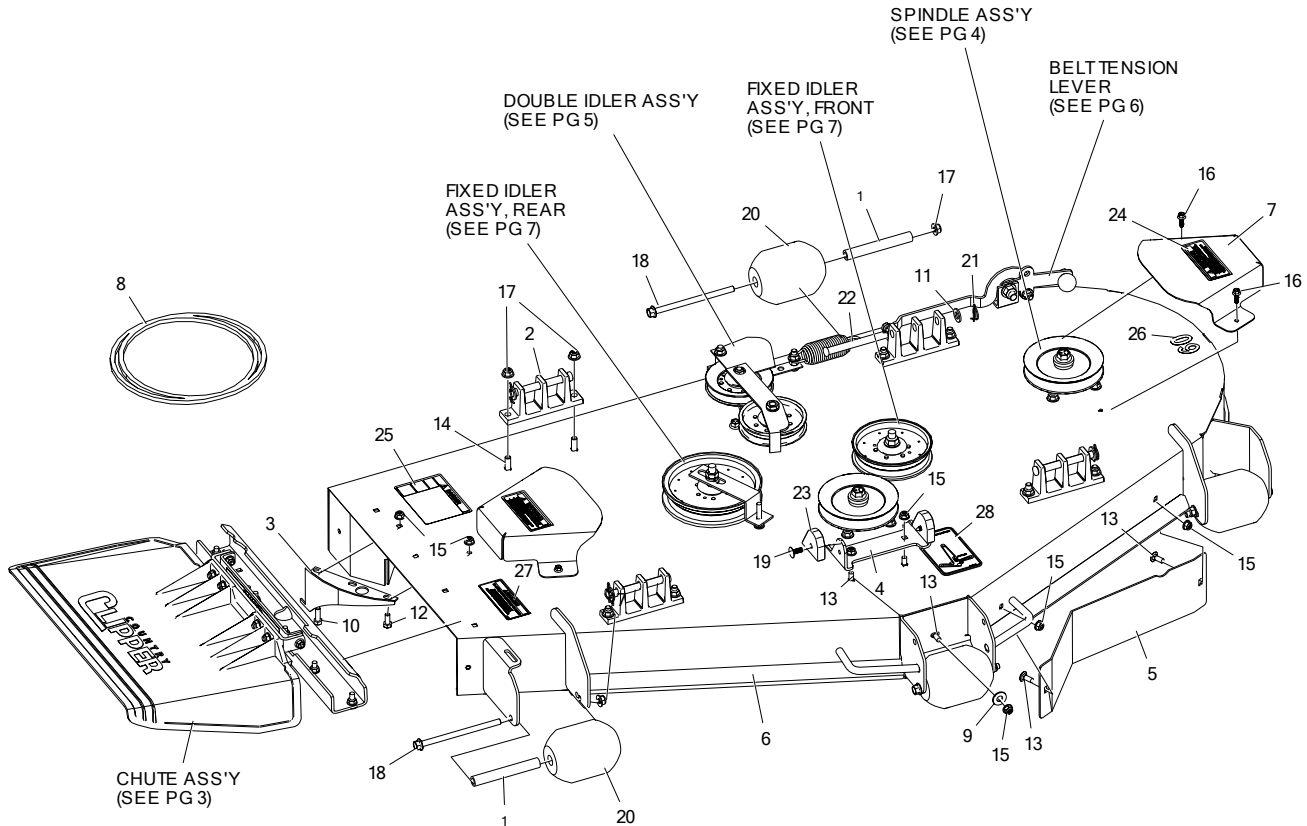
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27. TRANSMISSION ASSEMBLY & RELATED PARTS (CON'T)
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30. ENGINES
31. ENGINE & CLUTCH MOUNTING & RELATED PARTS
32. WIRE HARNESS & RELATED PARTS
33. WIRE HARNESS SCHEMATIC



ITEM #	QTY	PART #	DESCRIPTION
1	5	609-183P	BUSHING
2	2	643-016W	DECK HANGER NARROW BASE
3	2	651-009W	DECK HANGER WIDE BASE
4	1	686-080W	SPLITTER DISCHARGE
5	1	722-034P	DECK STOP
6	1	722-041P	DEFLECTOR PLATE
7	2	722-046A	52" DECK W/ DECALS
8	4	722-048A	PULLEY COVER
9	1	D-3951	BANDL BELT B-166
10	4	F-1009-02	WASHER FLAT
11	4	F-1521	WASHER 1/2" CUSTOM YZ
12	6	F-1671	CARRIAGE BOLT 5/16-18 X 3/4" YZ, GR5
13	8	F-1672	BOLT CARRIAGE 3/8-16 X 1-1/4" YZ GR5
14	9	F-2063	NUT 5/16-18, NYLOC, FLANGED, YZ
15	4	F-2119	FHCS 1/4-20 X 3/4" YZ GR5 LOCK PATCH
16	3	F-2120	FHCS 5/16-18 X 3/4"X YZ, GR5
17	1	F-2132	NUT 1/4-20 NYLOC FLANGED YZ
18	13	F-2151	NUT 3/8-16 NYLOC FLANGED YZ
19	1	F-2155	BOLT CARRIAGE 1/4-20 X 5/8" YZ GR5
20	5	F-2161	FHCS 3/18-16 X 6" YZ GR5
21	2	F-2250	CLIP FIR TREE 1/4" X 1" BLACK NYLON
22	5	H-1948	ROLLER 3-3/4 DIA
23	4	H-2239	1/2" RUE RING
24	4	H-2240	1/2" X 4-1/2" CLEVIS PIN
25	2	H-3091	WEAR PAD
26	2	P-10935	DECAL "WARNING ROTATING DRIVE"
27	1	P-10941	DECAL DANGER
28	1	P-11951	DECAL DECK SIZE 52
29	1	P-12706	WARNING DECAL DISCHARGE CHUTE
30	1	P-12837	DECAL DECK BELT ROUTING

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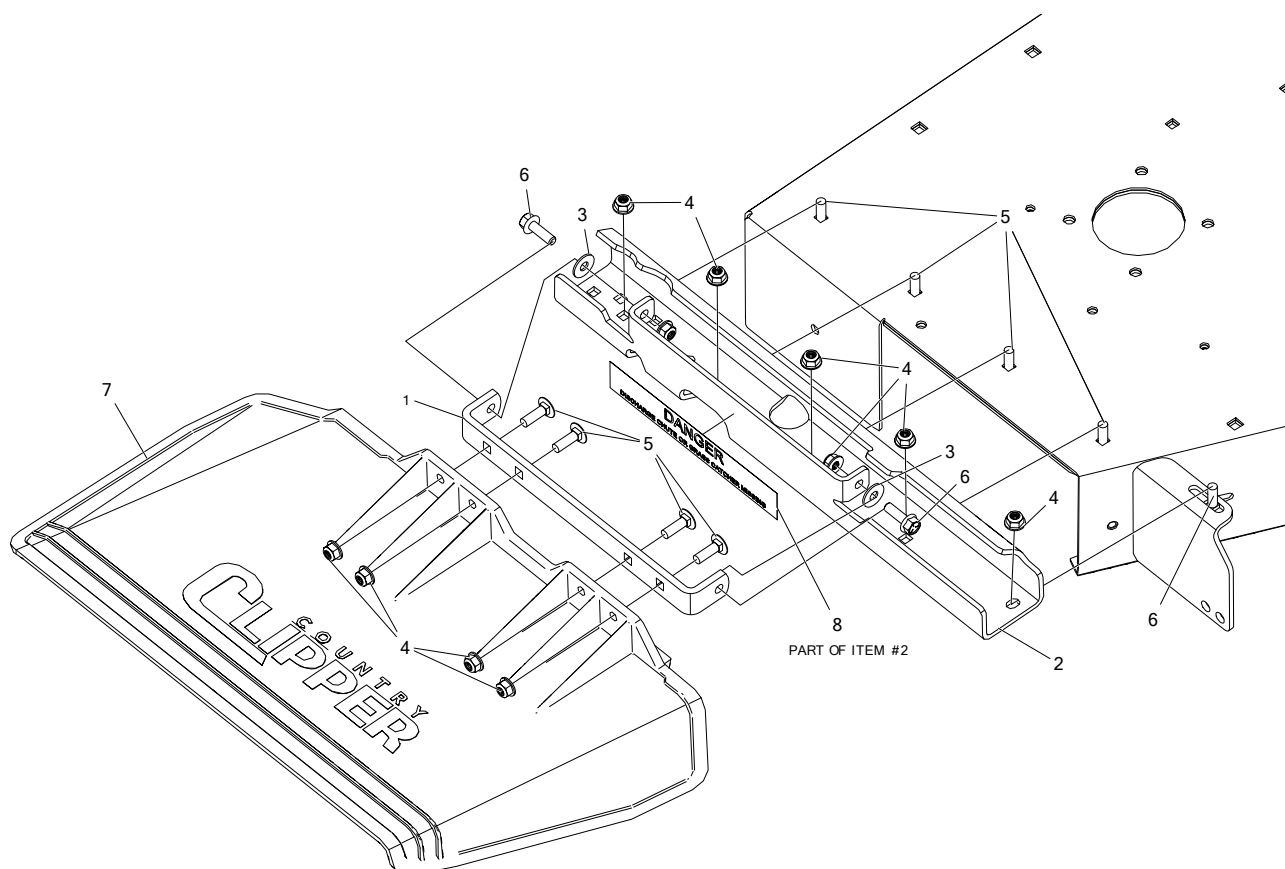
60" MOWER DECK
{722D-002A}



ITEM #	QTY	PART #	DESCRIPTION
1	5	609-183P	BUSHING
2	4	643-016W	DECK HANGER, NARROW BASE
3	1	686-006W	SPLITTER WELDMENT
4	1	722-034P	DECK STOP
5	1	722-041P	DEFLECTOR PLATE
6	2	722-047A	60" DECK W/ DECALS
7	4	722-048A	PULLEY COVER
8	1	D-3776-W	BELT B-180"
9	2	F-1009-03	WASHER, FLAT, 3/8, YZ
10	1	F-1015-15	HHCS, 5/16-18 X 1", YZ, GR5
11	4	F-1521	WASHER, 1/2" CUSTOM, YZ
12	1	F-1546	HHCS, 5/16-18 X 3/4"
13	6	F-1671	CARRIAGE BOLT, 5/16-18 X 3/4", YZ, GR5
14	8	F-1672	BOLT, CARRIAGE, 3/8-16 X 1-1/4", YZ, GR5
15	8	F-2063	NUT, 5/16-18, NYLOC, FLANGED, YZ
16	4	F-2119	FHCS, 1/4-20 X 3/4", YZ, GR5, LOCK PATCH
17	13	F-2151	NUT, 3/8-16 NYLOC, FLANGED, YZ
18	5	F-2161	FHCS, 3/18-16 X 6" YZ, GR5
19	2	F-2250	CLIP, FIR TREE, 1/4" X 1", BLACK NYLON
20	5	H-1948	ROLLER, 3-3/4 DIA
21	4	H-2239	1/2" RUE RING
22	4	H-2240	1/2" X 4-1/2" CLEVIS PIN
23	2	H-3091	WEAR PAD
24	2	P-10935	DECAL, "WARNING ROTATING DRIVE"
25	1	P-10941	DECAL, DANGER
26	1	P-11952	DECAL, DECK SIZE, 60
27	1	P-12706	WARNING DECAL, DISCHARGE CHUTE
28	1	P-12837	DECAL, DECK BELT ROUTING

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DISCHARGE CHUTE ASS'Y
& RELATED PARTS



ITEM #	QTY	PART #	DESCRIPTION
1	1	643-110P	CHUTE HINGE
2	2	643-135A	OUTLET STIFFENER W/ DECALS, SMALL
3	2	F-1009-02	WASHER, FLAT
4	11	F-2063	NUT, 5/16-18, NYLOC, FLANGED, YZ
5	8	F-2066	BOLT, CARRIAGE, 5/16-18 X 1", YZ, GR5
6	3	F-2148	FHCS, 5/16-18 x 1", YZ, GR5
7	1	H-2723	CHUTE, DISCHARGE, SMALL
8	1	P-12496	DECAL, CHUTE MISSING

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DECK SPINDLE ASSEMBLY
{D-4020}

PARTS MARKED "*" ARE PART
OF COMPLETE ASSEMBLY

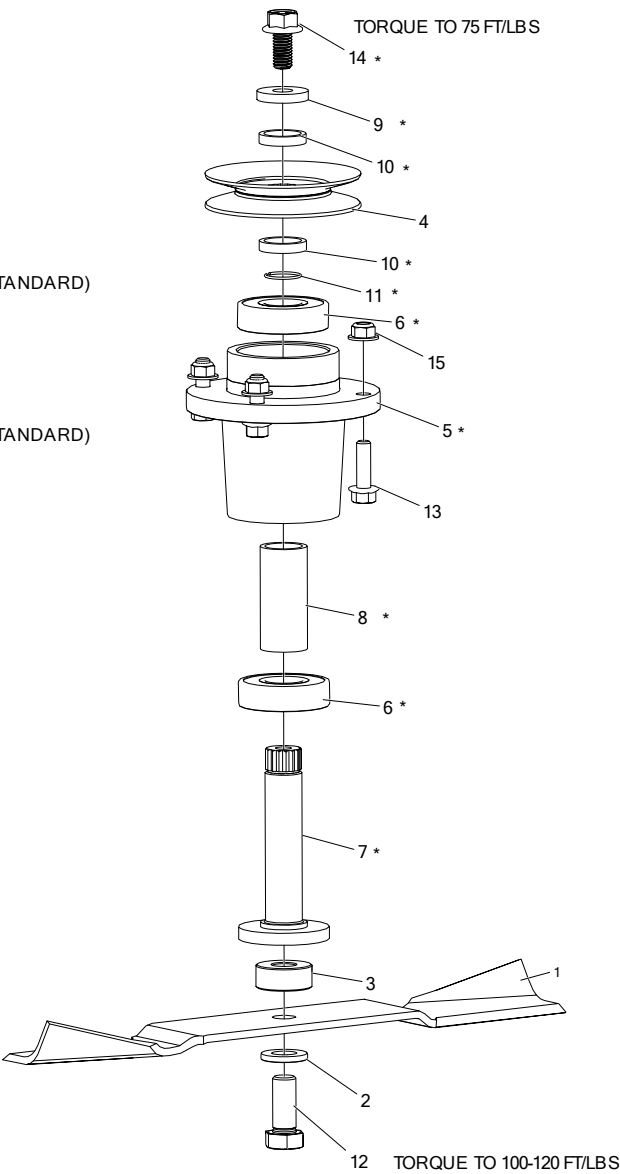
BLADE PART NUMBERS

52" DECK

H-2883 HIGH LIFT W/O FUSION (STANDARD)
H-2884 HIGH LIFT W/ FUSION
H-2660 LOW LIFT
H-2666 GATOR

60" DECK

H-2885 HIGH LIFT W/O FUSION (STANDARD)
H-2886 HIGH LIFT W/ FUSION
H-2661 LOW LIFT
H-2667 GATOR

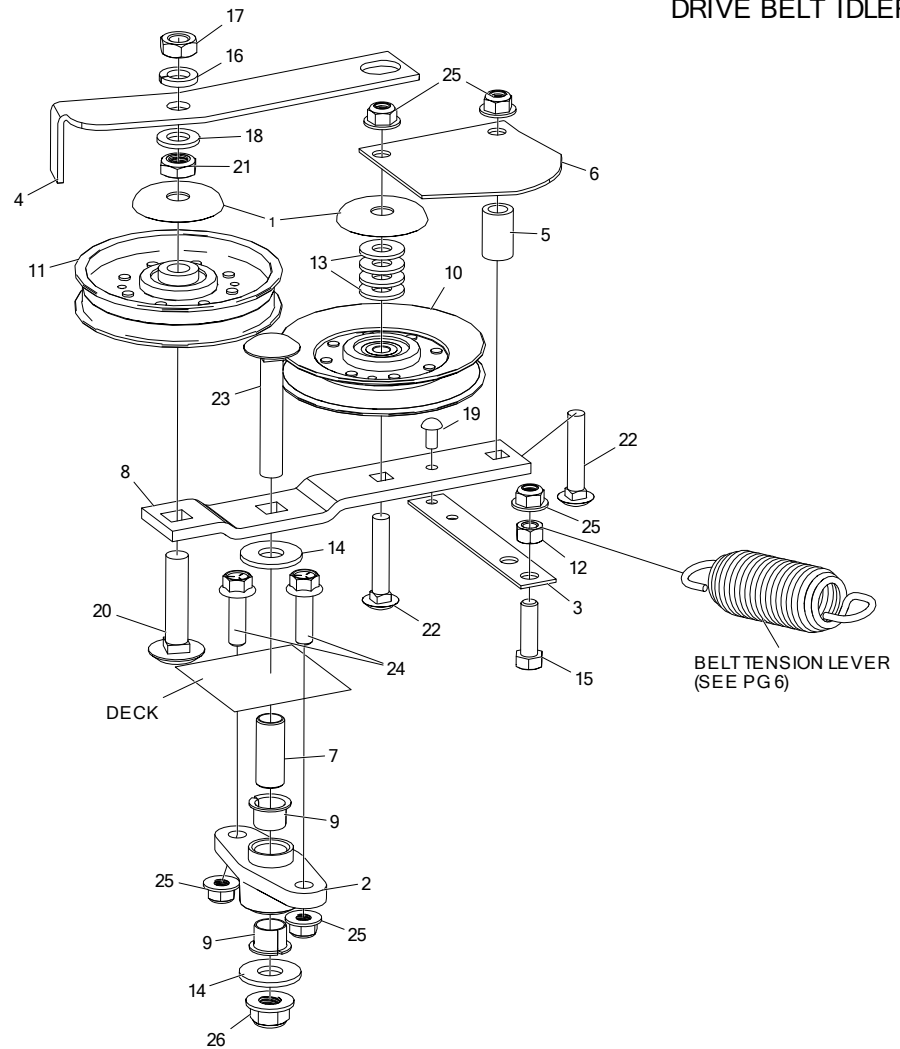


ITEM #	QTY	PART #	DESCRIPTION
1	1	H-2883	BLADE,HL, 18.375, 52 (STANDARD)
-	1	H-2885	BLADE, HL, 20.953, 60 (STANDARD)
-	1	H-2884	BLADE, HL FUSION, 18.375, 52
-	1	H-2886	BLADE, HL FUSION, 20.953, 60
-	1	H-2660	BLADE, 18.375 X .63, LOW LIFT, 52
-	1	H-2661	BLADE, 20.953 X .63, LOW LIFT, 60
-	1	H-2666	BLADE, 18.375 X .63, GATOR, 52
-	1	H-2667	BLADE, 20.86 X .63, GATOR, 60
2	1	660-099P	WASHER, BLADE, 5/8
3	1	660-206P	SPINDLE SPACER
4	1	D-3918	PULLEY, 5.195, A-B, 60" DECK
-	1	D-3920	PULLEY, 4.513, A-B, 52" DECK

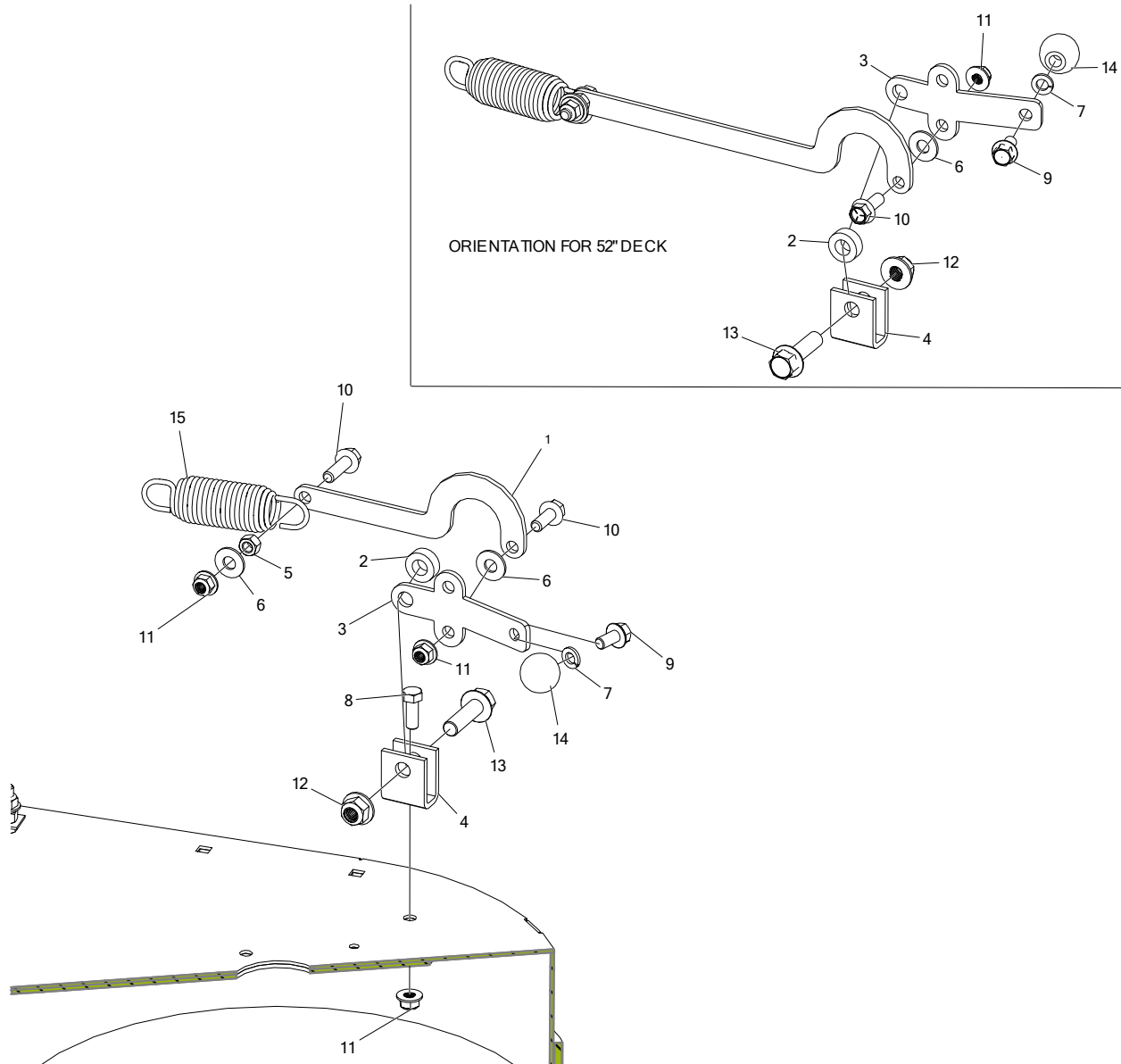
ITEM #	QTY	PART #	DESCRIPTION
5	1	----	SPINDLE HOUSING, MEDIUM DUTY
6	2	D-4020-2	BEARING, HCH 6305-2RS1
7	1	D-4020-3	SPINDLE SHAFT, MEDIUM DUTY
8	1	----	SPINDLE SPACER
9	1	D-4020-5	SPINDLE HARD WASHER
10	2	D-4020-6	PULLEY ALIGNMENT SPACER
11	1	D-3991	RETAINING RING
12	1	F-1650	HHCS, 5/8-11 X 2", GR5, YZ
13	4	F-2125	FHCS, 3/8-16 X 1-1/4", YZ, GR5
14	1	F-2143	FHCS, 1/2-13 X 1", YZ, GR5
15	4	F-2151	NUT, 3/8-16 NYLOC, FLANGED, YZ

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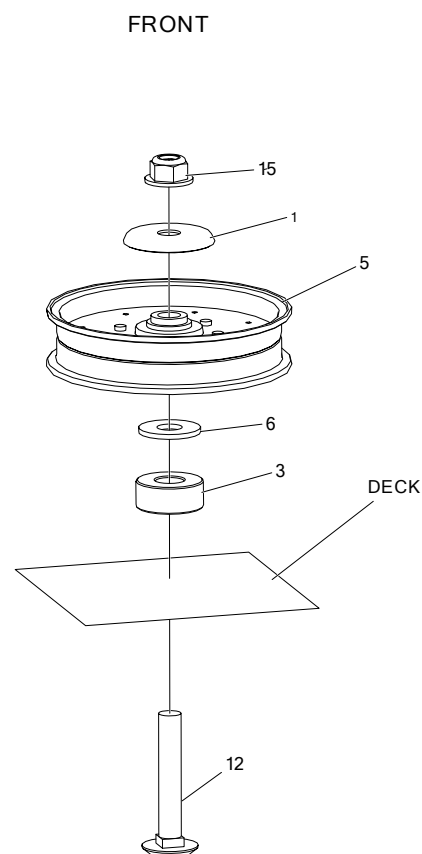
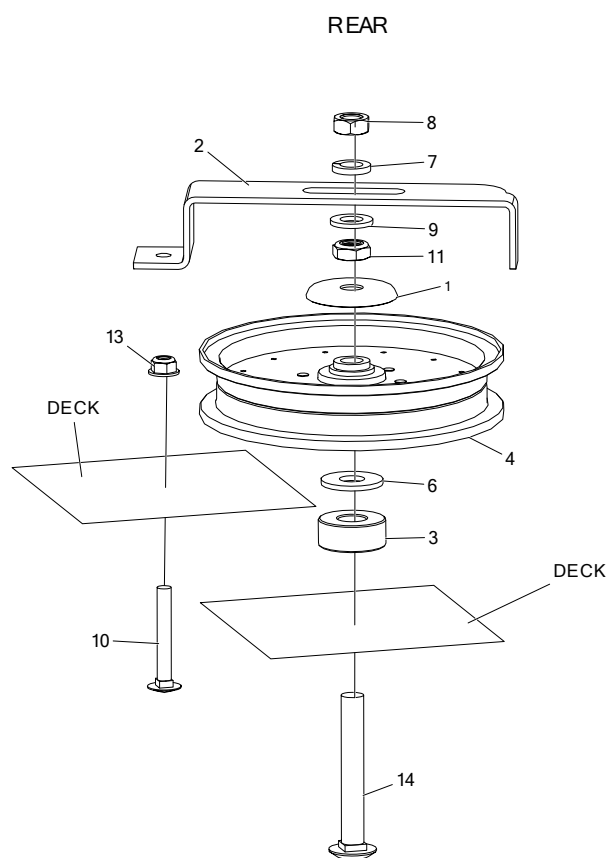
DOUBLE IDLER
DRIVE BELT IDLER



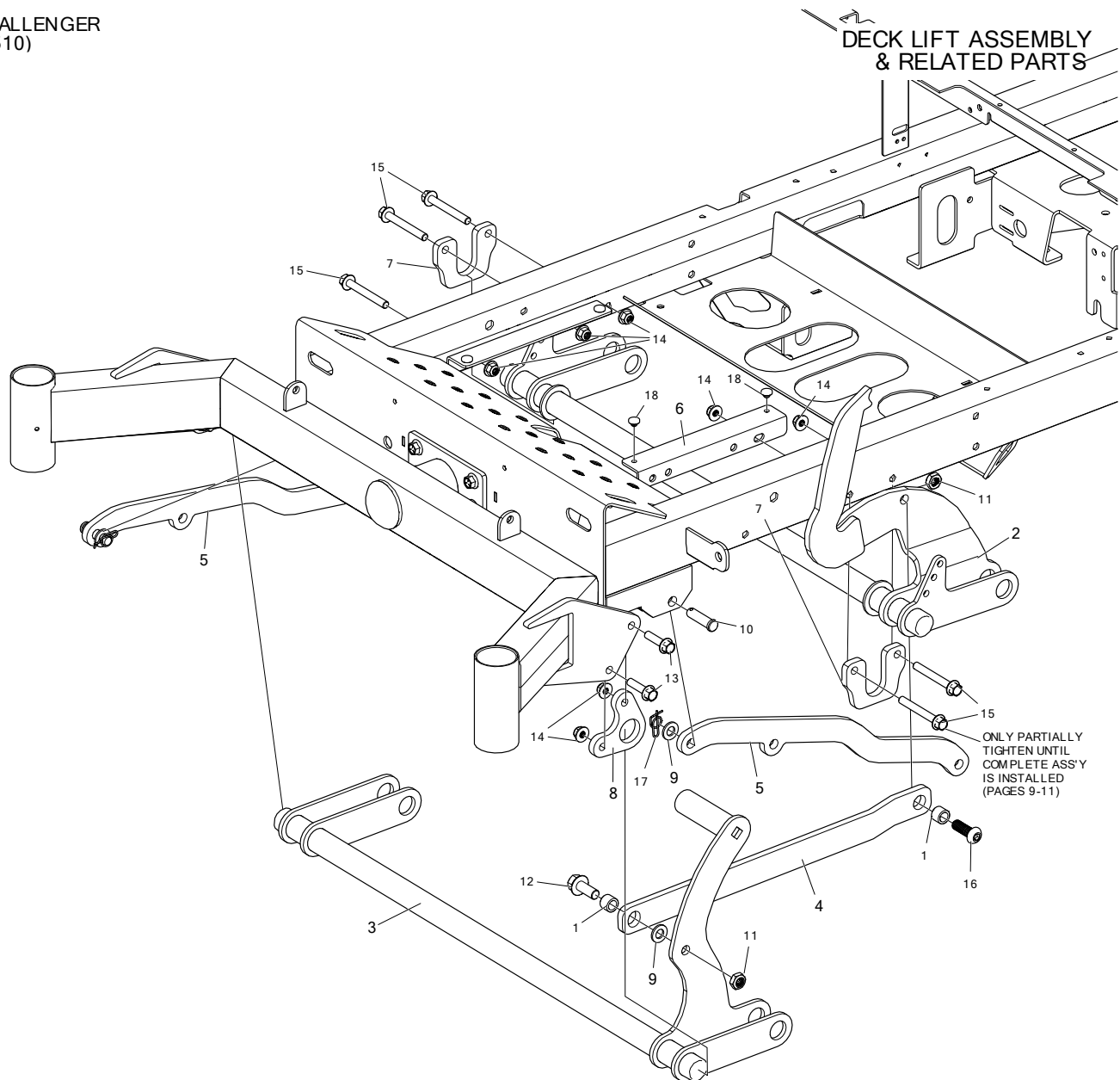
ITEM #	QTY	PART #	DESCRIPTION
1	2	620-201P	WASHER, BEARING CAP
2	1	660-039P	MOUNT, DOUBLE IDLER
3	1	660-081P	EXTENSION, SPRING
4	1	660-107P	BELT KEEPER, A BELT
5	1	668-021P	SPACER, BELT GUARD
6	1	714-183P	BELT GUARD, 54"
7	1	722-031P	MOUNTING PIN
8	1	722-032P	IDLER ARM
9	2	D-3730	BUSHING, DU 5/8 DIA X 1/2 LG
10	1	D-3923	PULLEY, V-IDLER, 4.59OD, AB, NTN
11	1	D-3924	PULLEY, FLAT IDLER, 4.25 OD, NTN, DBL INSERT
12	1	F-1005-03	NUT, 3/8-16, CENTERLOCK, YZ, GR5
13	4	F-1009-03	WASHER, FLAT, 3/8, YZ
14	2	F-1009-05	WASHER, FLAT STD, 1/2" NOMINAL, YZ
15	1	F-1307	HHCS, 3/8-16 X 1-1/4", YZ, GR5
16	1	F-1464	LOCKWASHER, 1/2"
17	1	F-1489	NUT, HEX, JAM, 1/2-13, YZ
18	1	F-1521	WASHER, 1/2" CUSTOM, YZ
19	1	F-1733	DRIVE SCREW, 1/4" X 1/2", RND HD
20	1	F-1822	BOLT, CARRIAGE, 1/2-13 X 2-1/4", YZ, GR5
21	1	F-1966	NUT, THIN, 1/2-13, NYLOC, YZ
22	2	F-1976	BOLT, CARRIAGE, 3/8-16 X 2", YZ, GR5
23	1	F-2047	CARRIAGE BOLT, 1/2-13 X 3" ZINC/YELLOW DICHROMATE FULL THREAD
24	2	F-2125	FHCS, 3/8-16 X 1-1/4", YZ, GR5
25	5	F-2151	NUT, 3/8-16 NYLOC, FLANGED, YZ
26	1	F-2152	NUT, 1/2-13 NYLOC, FLANGED, YZ



ITEM #	QTY	PART #	DESCRIPTION
1	1	722-040P	BELT TIGHTENER ARM, 52" DECK
-	1	722-044P	BELT TIGHTENER ARM, 60" DECK
2	2	660-038P	SPACER, 3/8" WIDE
3	2	660-184P	HANDLE, BELT TENSIONER
4	2	661-015P	SHACKLE
5	1	F-1005-03	NUT, 3/8-16, CENTERLOCK, YZ, GR5
6	3	F-1009-03	WASHER, FLAT, 3/8, YZ
7	2	F-1019-03	LOCKWASHER, HVY, 3/8, YZ
8	1	F-1394	HHCS, 3/8-16NC X 1", GR.5, YELLOW PLATED
9	2	F-2124	FHCS, 3/8-16 X 3/4", YZ, GR5
10	3	F-2141	FHCS, 3/8-16 X 1
11	4	F-2151	NUT, 3/8-16 NYLOC, FLANGED, YZ
12	2	F-2152	NUT, 1/2-13 NYLOC, FLANGED, YZ
13	2	F-2154	FHCS, 1/2-13 x 1-3/4", YZ, GR5
14	2	H-2405	BALL, 1-1/4"
15	1	H-2619	SPRING, 5 X 1-1/2, TAPERED ENDS

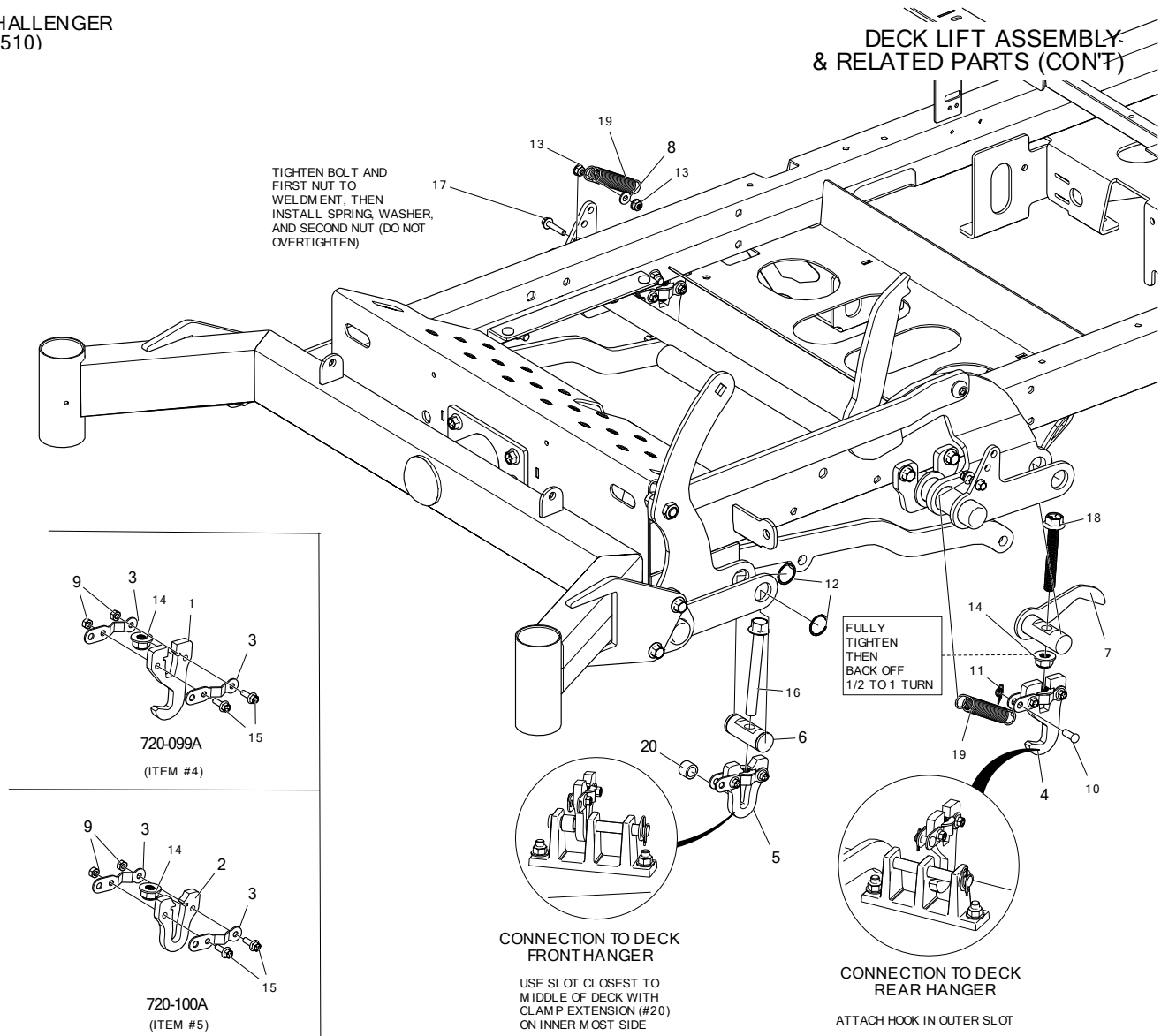


ITEM #	QTY	PART #	DESCRIPTION
1	2	620-201P	WASHER, BEARING CAP
2	1	660-112P	BELT KEEPER, 52" DECK
-	1	660-114P	BELT KEEPER, 60" DECK
3	2	660-206P	SPINDLE SPACER
4	1	D-3903	PULLEY, FLAT IDLER, 6" (NTN)
5	1	D-3904	PULLEY, FLAT IDLER, 5"
6	2	F-1009-05	WASHER, FLAT STD, 1/2" NOMINAL, YZ
7	1	F-1464	LOCKWASHER, 1/2"
8	1	F-1489	NUT, HEX, JAM, 1/2-13, YZ
9	1	F-1521	WASHER, 1/2" CUSTOM, YZ
10	1	F-1707	CARRIAGE BOLT, 5/16-18 X 2-1/4 ZINC PLATED
11	1	F-1966	NUT, THIN, 1/2-13, NYLOC, YZ
12	1	F-2047	CARRIAGE BOLT, 1/2-13 X 3" ZINC/YELLOW DICHROMATE FULL THREAD
13	1	F-2063	NUT, 5/16-18, NYLOC, FLANGED, YZ
14	1	F-2106	BOLT, CARRIAGE, 1/2-13 X 3-1/2", YZ, GR5
15	1	F-2152	NUT, 1/2-13 NYLOC, FLANGED, YZ



ITEM #	QTY	PART #	DESCRIPTION
1	2	720-010P	CLAMP EXTENSION
2	1	720-079W	WLDT, DECK LIFT, REAR
3	1	720-133W	WLDT, DECK LIFT, FRONT
4	1	720-090P	DECK LIFT LINK
5	2	720-093P	DRAG BAR
6	2	720-094P	FLOOR PAN SUPPORT
7	2	724-032P	DECK PIVOT MOUNT PLATE
8	2	724-033P	DECK SUSPENSION FRONT PLATE
9	3	F-1521	WASHER, 1/2" CUSTOM, YZ
10	2	F-1896	CLEVIS PIN, 1/2 X 1-3/4", YZ
11	2	F-1966	NUT, THIN, 1/2-13, NYLOC, YZ
12	1	F-2127	FHCS, 1/2-13 X 1-1/4", YZ, GR5
13	4	F-2147	FHCS, 3/8-16 X 1-1/2", YZ, GR5
14	9	F-2151	NUT, 3/8-16 NYLOC, FLANGED, YZ
15	5	F-2180	FHCS, 3/8-16 x 3", YZ, GR5
16	1	F-2278	BUTTON SHCS, 1/2-13 X 1-1/2, YZ
17	2	H-2239	1/2" RUE RING
18	4	H-2461	RUBBER BUMPER

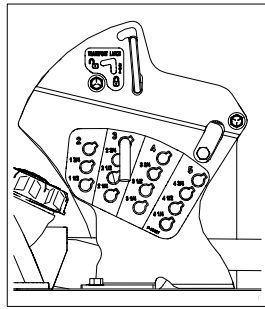
DECK LIFT ASSEMBLY
& RELATED PARTS (CONT)



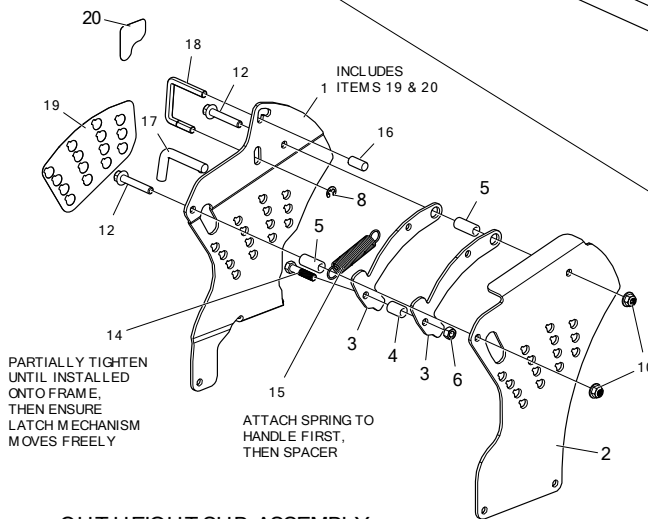
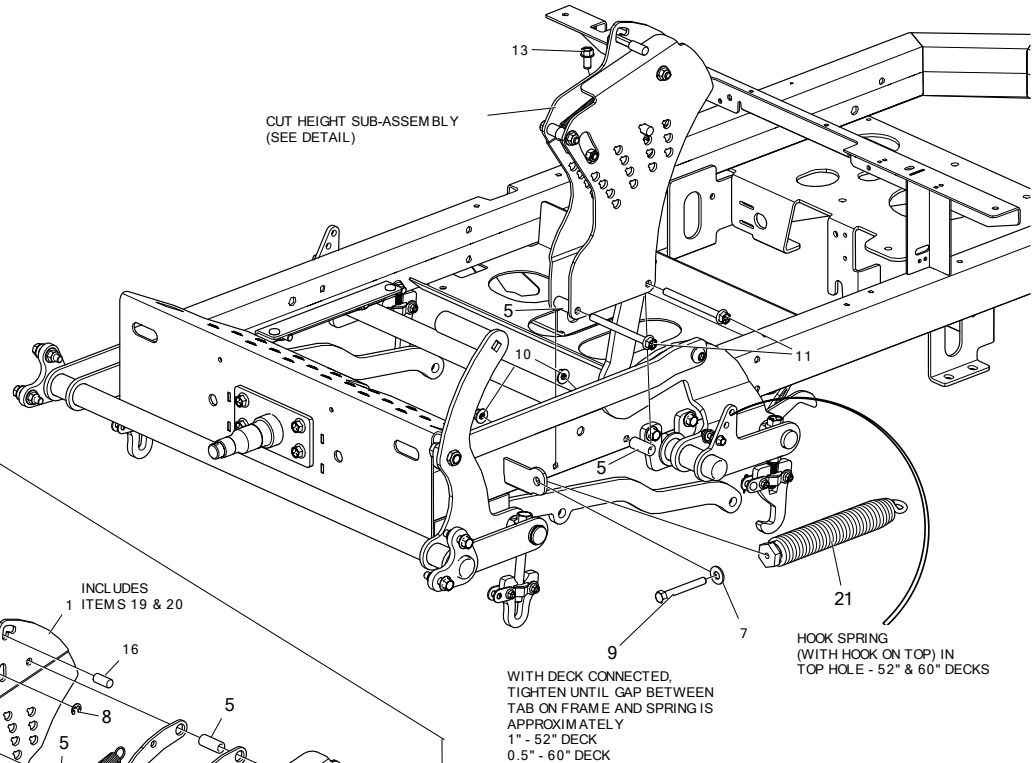
ITEM #	QTY	PART #	DESCRIPTION
1	2	720-096P	DECK HANGER, REAR
2	2	720-097P	DECK HANGER, FRONT
3	8	720-098P	NUT RETAINER
4	2	720-099A	ASS'Y, DECK HANGER, REAR
5	2	720-100A	ASS'Y, DECK HANGER, FRONT
6	2	724-052P	HANGER PIN, FRONT
7	1	724-091W	HANGER PIN WLDT, REAR LH
-	1	724-092W	HANGER PIN WLDT, REAR RH
8	2	F-2097	WASHER, FENDER, 1/4" X 7/8"
9	8	F-1158	NUT, CENTERLOCK, 1/4-20, YZ, GR5
10	2	F-1443	CLEVIS PIN, 5/16 X 7/8"
11	2	F-1492	RUE RING, 5/16
12	4	F-1998	SPIROL RING 1"
13	4	F-2132	NUT, 1/4-20 NYLOC, FLANGED, YZ
14	6	F-2152	NUT, 1/2-13 NYLOC, FLANGED, YZ
15	8	F-2162	FHCS, 1/4-20 X 3/4", YZ, GR5
16	2	F-2181	FHCS, 1/2-13 X 4.50, YZ, GR8
17	2	F-2182	FHCS, 1/4-20 X 1-1/4", YZ, GR5
18	2	F-2277	FHCS 1/2-13 X 3-1/2, GR5, YZ, FULL THREAD
19	2	H-1635	SPRING, EXT, 3/4" OD X 4" OAL
20	2	720-010P	CLAMP EXTENSION

CHALLENGER
(D510)

CUT HEIGHT ASSEMBLY
& RELATED PARTS



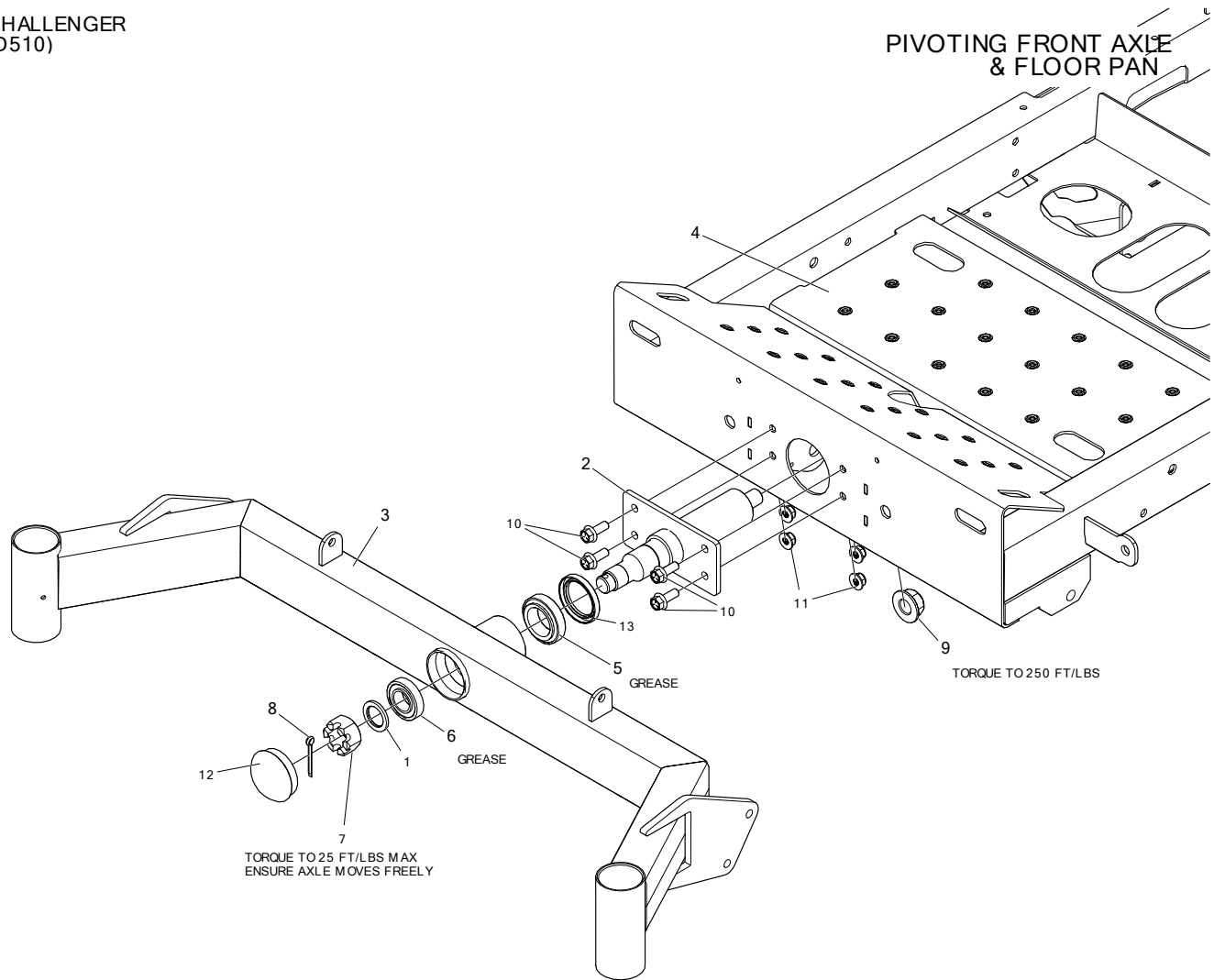
INSIDE VIEW OF CUT HEIGHT
SUB-ASSEMBLY, SHOWING DECALS



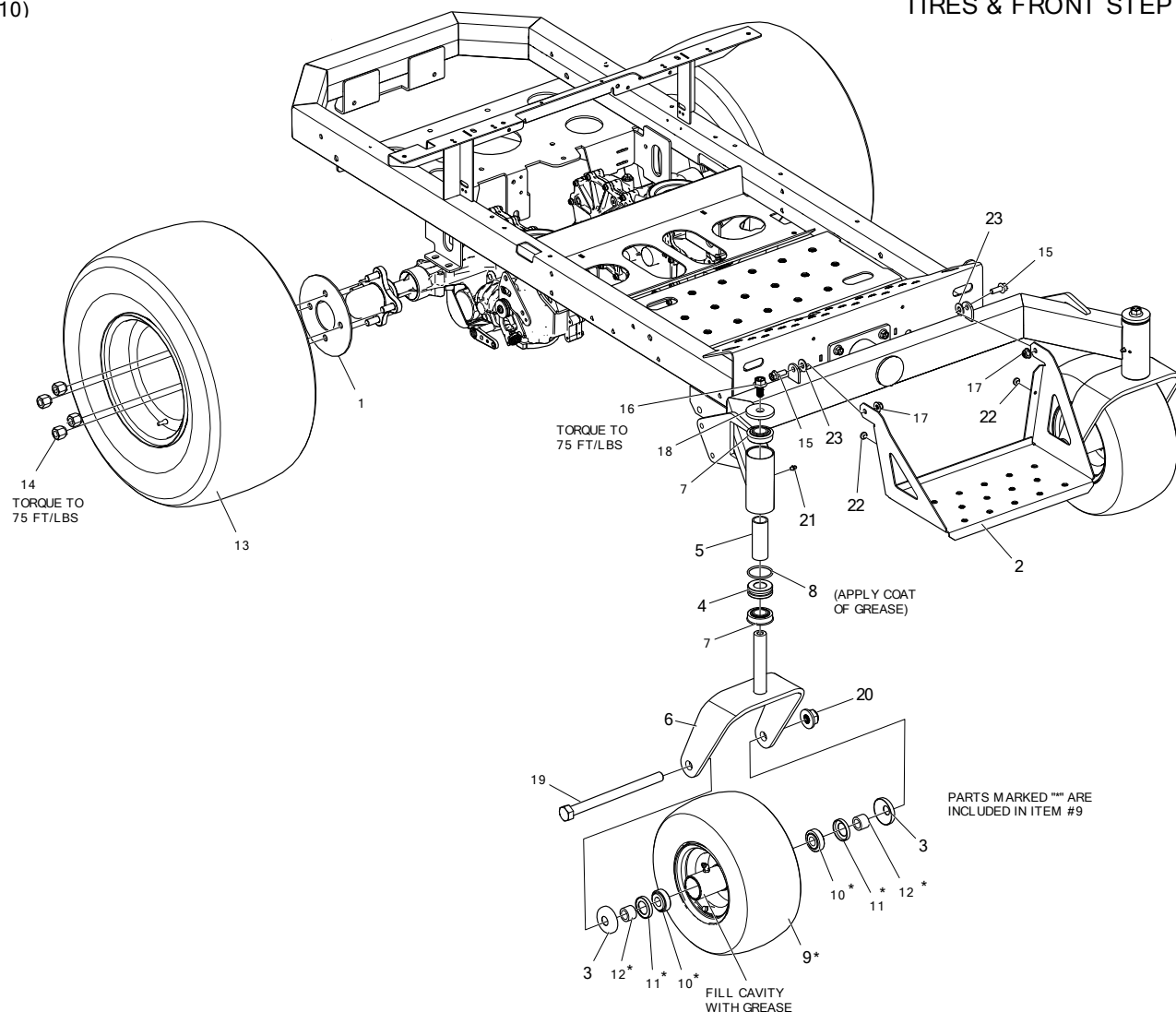
CUT HEIGHT SUB-ASSEMBLY

ITEM #	QTY	PART #	DESCRIPTION
1	1	720-134A	PLATE, CUT HEIGHT - INNER W/ DECALS
2	1	720-105P	PLATE, CUT HEIGHT - OUTER
3	2	724-042P	CATCH PLATE
4	1	724-079P	SPACER, CATCH PLATE
5	4	724-080P	SPACER, CUT HEIGHT PLATE
6	1	F-1005-03	NUT, 3/8-16, CENTERLOCK, YZ, GR5
7	1	F-1009-03	WASHER, FLAT, 3/8, YZ
8	1	F-1080	SNAP RING TRUARC #5144-37 3/8 HEAVY E-RING
9	1	F-1329	SCREW, 3/8-16 X 3 GR5 FULL THREADED, PLATED
10	4	F-2151	NUT, 3/8-16 NYLOC, FLANGED, YZ
11	2	F-2160	FHCS, 3/8-16 X 4-1/2", YZ, GR5
12	2	F-2218	FHCS, 3/8-16 X 2-1/4", YZ, GR5
13	1	F-2219	HFCS, 3/8-16 X 3/4", CZ, THD FORMING
14	1	F-2260	HHCS, 3/8-16 X 1-3/4, YZ, GR8
15	1	H-1635	SPRING, EXT, 3/4" OD X 4" OAL
16	1	H-2327	3/8 DIA X 1" LONG END CAP
17	1	H-3013	DECK HEIGHT PIN
18	1	H-3120	TRANSPORT LATCH RELEASE HANDLE
19	1	P-13421	DECAL, CUT HEIGHT
20	1	P-13437	DECAL, TRANSPORT LATCH
21	1	H-3117	EXTENSION SPRING, 1.585 O.D. x (9.8) LONG, W/THREADED PLUG

CHALLENGER
(D510)



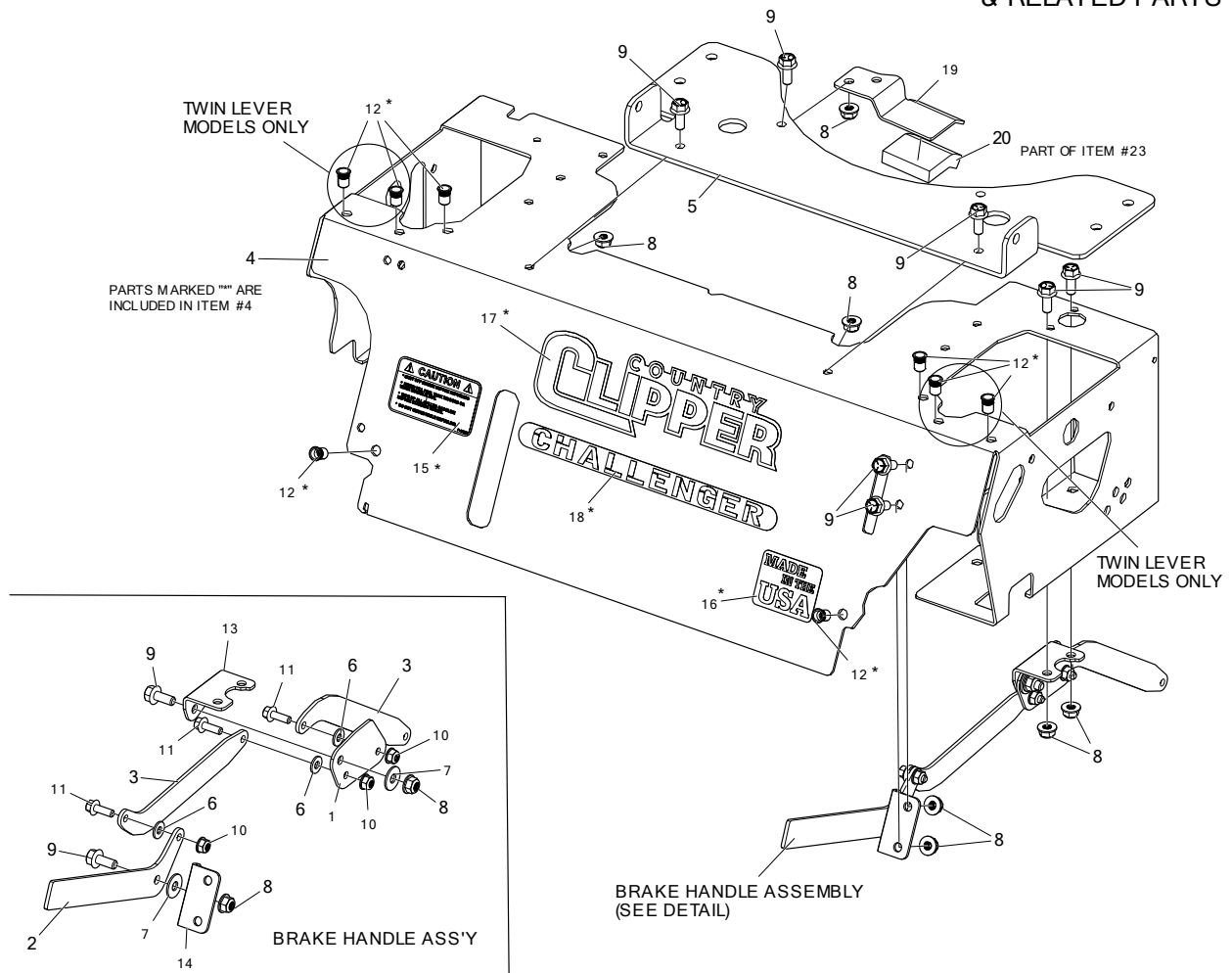
ITEM #	QTY	PART #	DESCRIPTION
1	1	606-303P	WASHER, 10GA GALVANIZED
2	1	724-056W	WLDT, PIVOT SHAFT
3	1	720-121W-B	WLDT, FRONT AXLE, BLACK
4	1	720-095P	FLOOR PAN
5	1	D-3825	BRG, TAPERED, SET, L68149-L68110
6	1	D-3826	BRG, TAPERED, SET, L44643-L44610
7	1	F-1724	NUT, HEX, SLOTTED, 1-14, YZ
8	1	F-1728	COTTER PIN, 3/16 X 2", YZ
9	1	F-2078	NUT, 3/4-16, TOP LOCK, GR-GT, YZ
10	4	F-2141	FHCS, 3/8-16 X 1", YZ, GR5
11	4	F-2151	NUT, 3/8-16 NYLOC, FLANGED, YZ
12	1	H-1924	GREASE CAP PLATED
13	1	H-2812	SEAL, SHAFT, 1.75, 2.38, 0.313



ITEM #	QTY	PART #	DESCRIPTION
1	2	659-092P	WHEEL BACKING PLATE
2	1	663-134P	STEP, EXTENDED
3	4	663-221P	CAP, WHEEL BEARING
4	2	720-047P	DRAG RING - SERIAL RANGE: 21286001 - 21318999
-	2	720-135P	DRAG RING, (FOR 5MM O-RING) - SERIAL RANGE: 21319001 -
5	2	721-021P	SPACER, CASTER
6	2	721-022W	WLDT, CASTER YOKE
7	4	D-2008-02	BEARING, SPD, SF-16-32
8	2	D-3969	O-RING, 70 DURO NITRILE - SERIAL RANGE: 21286001 - 21318999
-	2	D-4190	O-RING, 5MM X 44MM I.D. - SERIAL RANGE: 21319001 -
9	5	D-4021	TIRE ASS'Y, FLAT BLACK, SMOOTH, 13 X 6.5-6
10	2	D-4021-4	TAPER ROLLER BEARING, LM11949/11910
11	2	D-4021-5	GREASE SEAL, S17828001
12	2	D-4021-6	SPACER, SPCR005
13	2	D-4033	TIRE ASS'Y, 22 X 11-10, TURF, FLAT BLACK
14	8	F-1499	LUG NUT, 1/2-20, YZ
15	2	F-2141	FHCS, 3/8-16 X 1", YZ, GR5
16	2	F-2143	FHCS, 1/2-13 X 1", YZ, GR5
17	2	F-2151	NUT, 3/8-16 NYLOC, FLANGED, YZ
18	2	F-2179	WASHER, CASTER, .531 ID X 2.25 OD X .25THK, YZ
19	2	F-2194	HHCS, 3/4-10 X 9-1/2", YZ, GR5
20	2	F-2195	NUT, FLANGE NYLOC, YZ
21	2	H-1056	1/4" GREASE FITTING
22	2	H-2461	RUBBER BUMPER
23	2	F-1009-03	WASHER, FLAT, 3/8", YZ

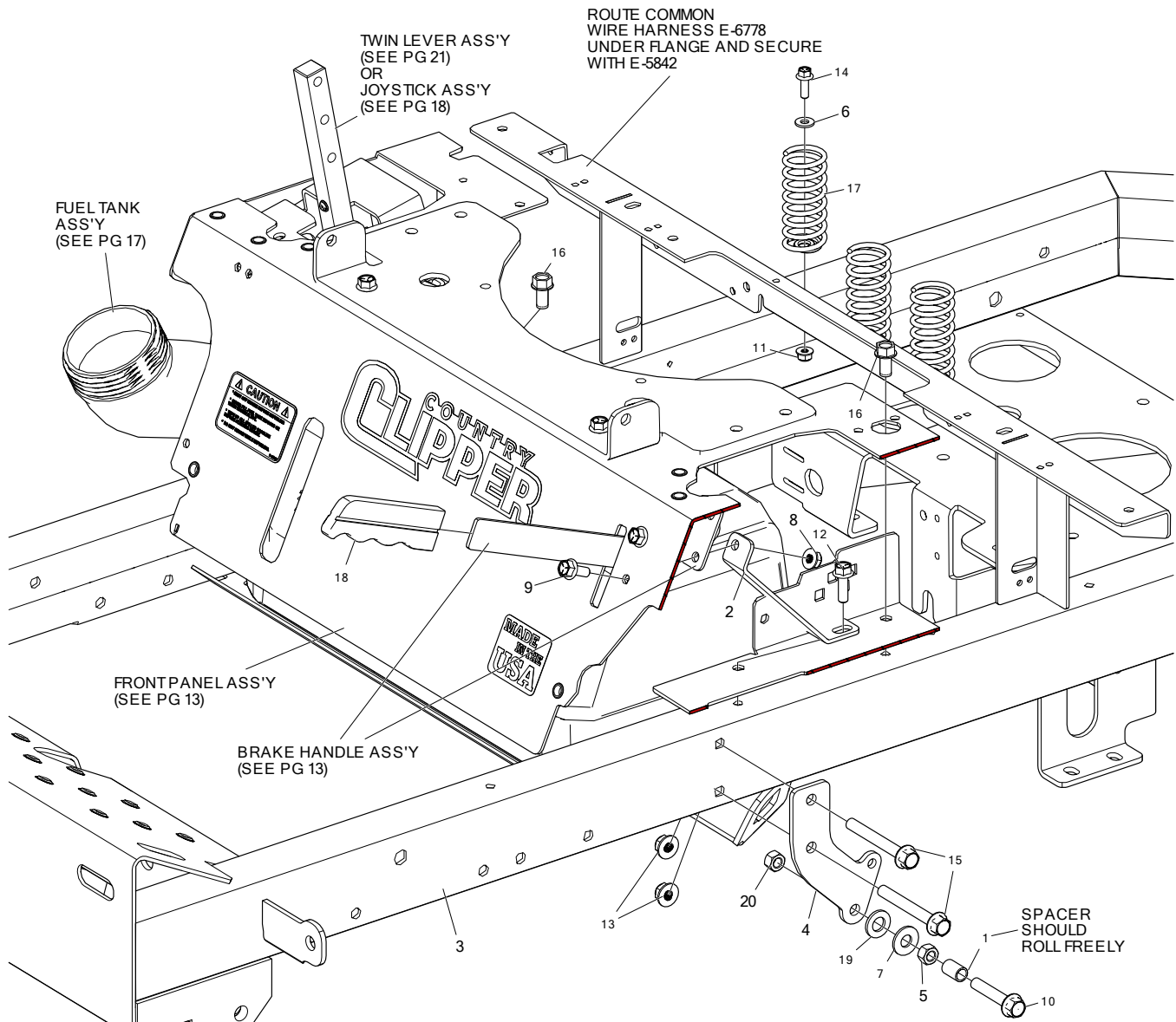
CHALLENGER
(D510)

FRONT PANEL
& RELATED PARTS



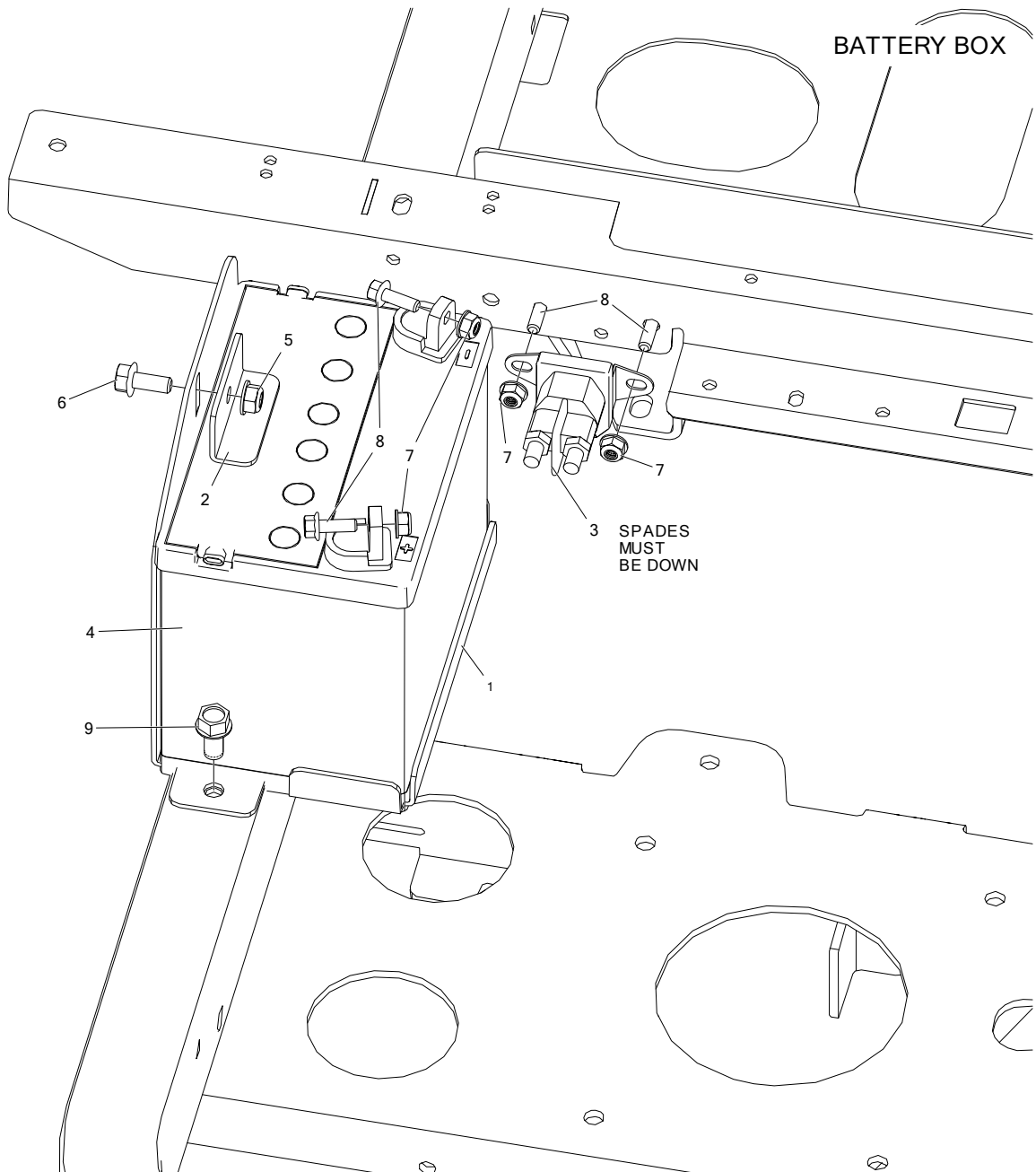
ITEM #	QTY	PART #	DESCRIPTION
1	1	714-345P	CRANK PLATE, PARK BRAKE
2	1	714-346P	HANDLE, PARK BRAKE
3	2	714-349P	BAR, LINK, PARK BRAKE
4	1	721-123A	FRONT PANEL W/ DECALS, JS
-	1	721-124A	FRONT PANEL W/ DECALS, TS
5	1	720-113P	BASE PLATE, SEAT MOUNT
6	3	F-1009-01	FLAT WASHER, 1/4", YZ
7	2	F-1009-02	WASHER, FLAT
8	8	F-2063	NUT, 5/16-18, NYLOC, FLANGED, YZ
9	8	F-2120	FHCS, 5/16-18 X 3/4", YZ, GR5
10	3	F-2132	NUT, 1/4-20 NYLOC, FLANGED, YZ
11	3	F-2162	FHCS, 1/4-20 X 3/4", YZ, GR5
12	8	F-2229	NUT, RIVET, 1/4-20, OPEN END, .027-.165 MAT'L THK
13	1	H-2934	PIVOT, BRAKE CRANK
14	1	H-2935	PLATE, BRAKE HANDLE
15	1	P-12557	DECAL, "CAUTION FUEL"
16	1	P-13000	DECAL, MADE IN THE USA
17	1	P-13312	DECAL, LOGO, CHROME w/BLK, LG
18	1	P-13316	DECAL, CHALLENGER

FRONT PANEL ASS'Y
& RELATED PARTS (CONT)

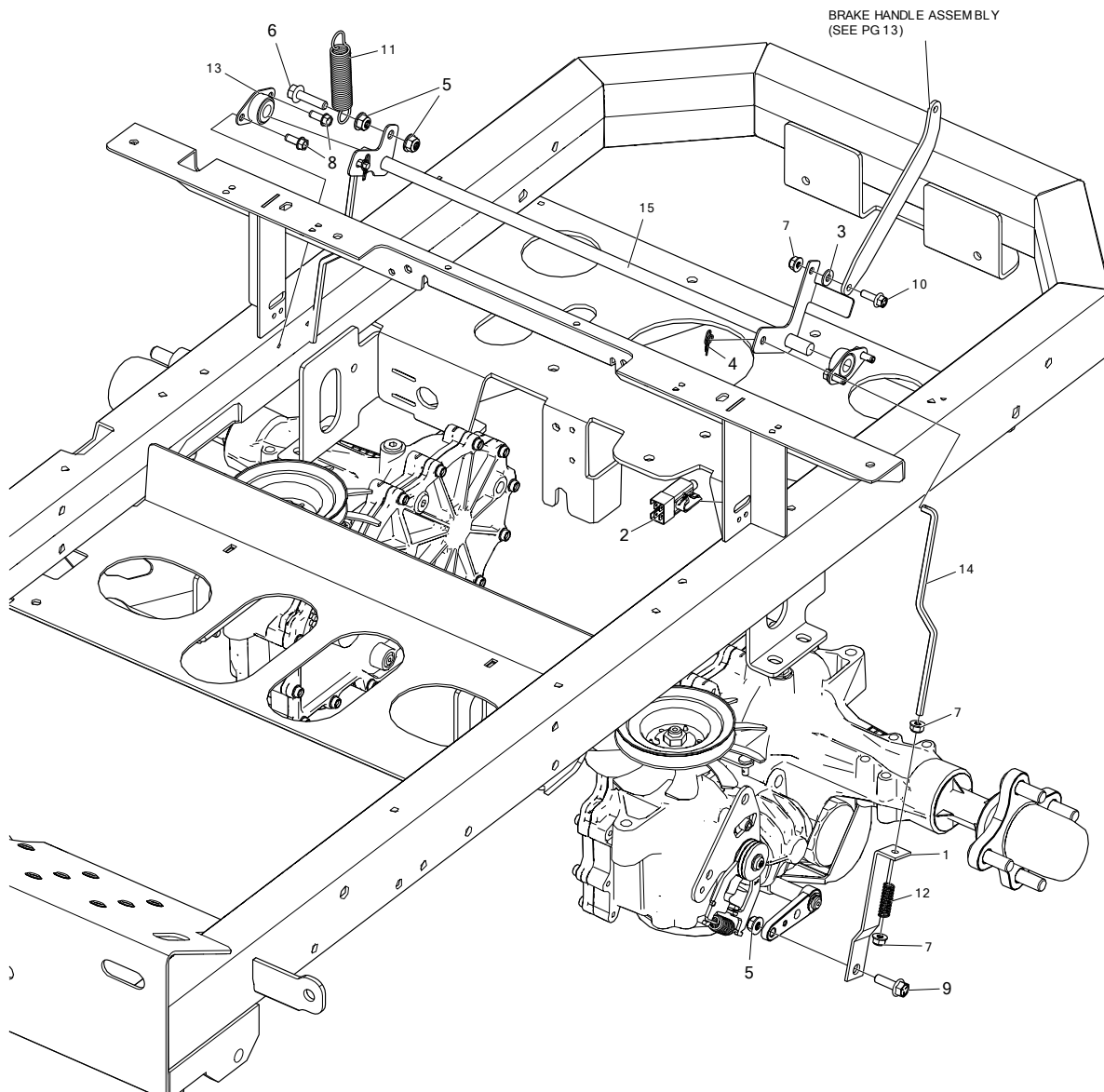


ITEM #	QTY	PART #	DESCRIPTION
1	2	707-073P	STAND-OFF, LINKAGE MOUNT
2	1	714-351P	BRACE, FRONT PANEL
3	1	720-119W	WLDT, FRAME
4	2	724-028P	DISCONNECT BRACKET
5	2	F-1011-03	NUT, 3/8-16, CENTERLOCK, YZ, GR5
6	3	F-1009-01	FLAT WASHER, 1/4", YZ
7	2	F-1009-03	WASHER, FLAT, 3/8, YZ
8	1	F-2063	NUT, 5/16-18, NYLOC, FLANGED, YZ
9	1	F-2120	FHCS, 5/16-18 X 3/4", YZ, GR5
10	2	F-2126	FHCS, 3/8-16 X 2", YZ, GR5
11	3	F-2132	NUT, 1/4-20 NYLOC, FLANGED, YZ
12	1	F-2219	FHCS, 5/16-18 X 1", YZ, GR5
13	4	F-2151	NUT, 3/8-16 NYLOC, FLANGED, YZ
14	3	F-2162	FHCS, 1/4-20 X 3/4", YZ, GR5
15	4	F-2180	FHCS, 3/8-16 X 3", YZ, GR5
16	2	F-2219	HFCS, 3/8-16 X 3/4", CZ, THD FORMING
17	3	H-1920	SPRING, SEAT
18	1	H-1926	1/4" X 1" HANDLE GRIP
19	2	H-3039	WASHER, SPECIAL, 1/2" X 1-1/4" X 8 GA
20	2	F-1005-03	NUT, 3/8-16, CENTERLOCK, YZ, GR5

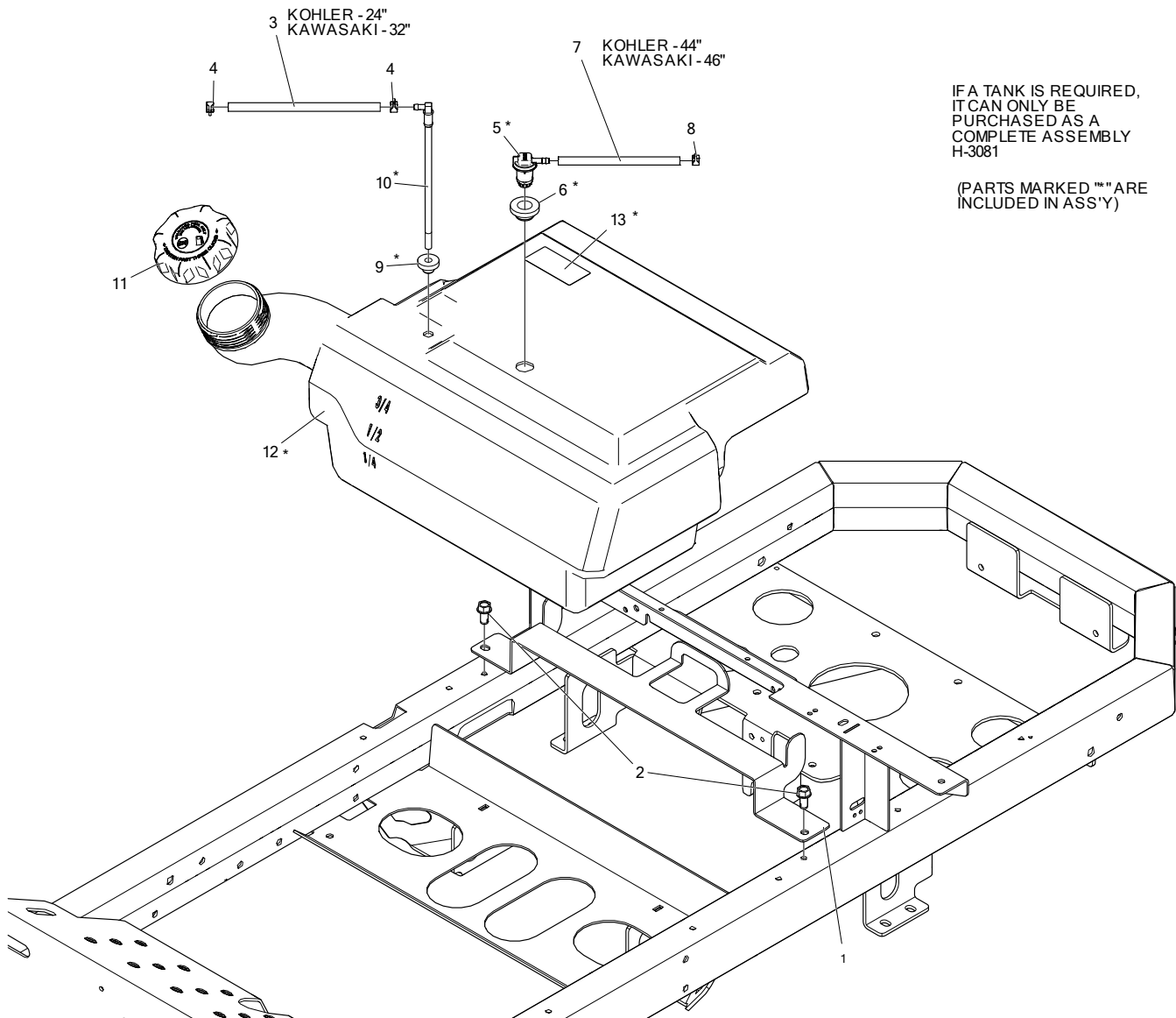
CHALLENGER
(D510)



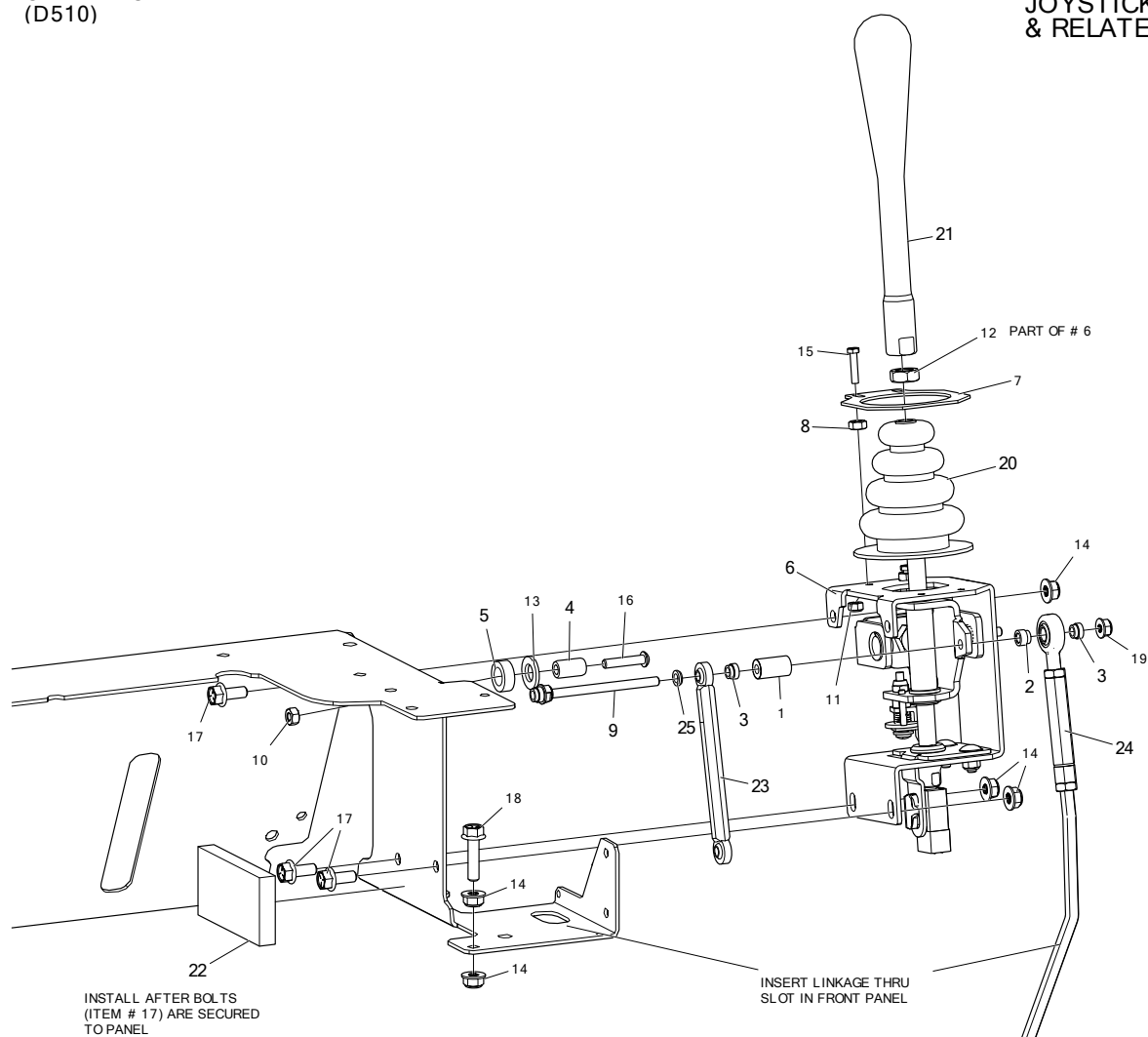
ITEM #	QTY	PART #	DESCRIPTION
1	1	721-030P	BOX, BATTERY
2	1	721-031P	CLAMP, BATTERY
3	1	E-6054	SOLENOID 12VOLT
4	1	E-6659	BATTERY, YPS 35
5	1	F-2063	NUT, 5/16-18, NYLOC, FLANGED, YZ
6	1	F-2120	FHCS, 5/16-18 X 3/4", YZ, GR5
7	4	F-2132	NUT, 1/4-20 NYLOC, FLANGED, YZ
8	4	F-2162	FHCS, 1/4-20 X 3/4", YZ, GR5
9	2	F-2219	HFCS, 3/8-16 X 3/4", CZ, THD FORMING



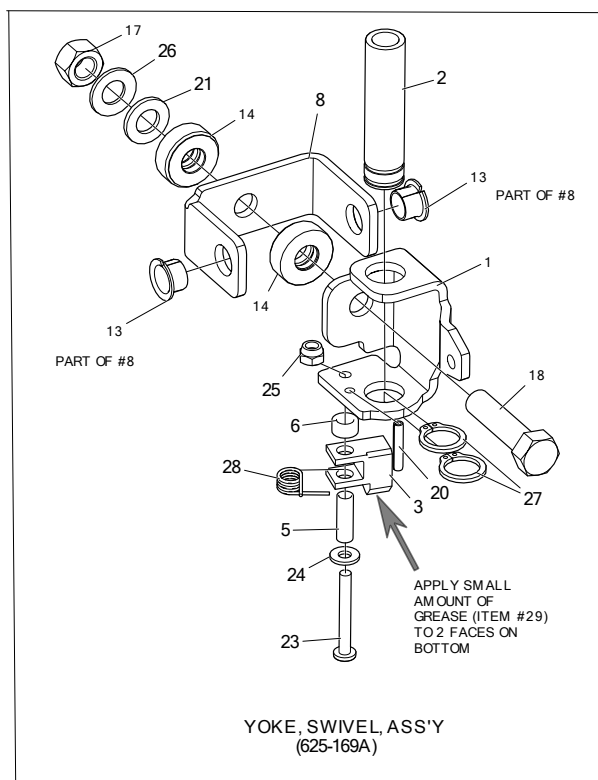
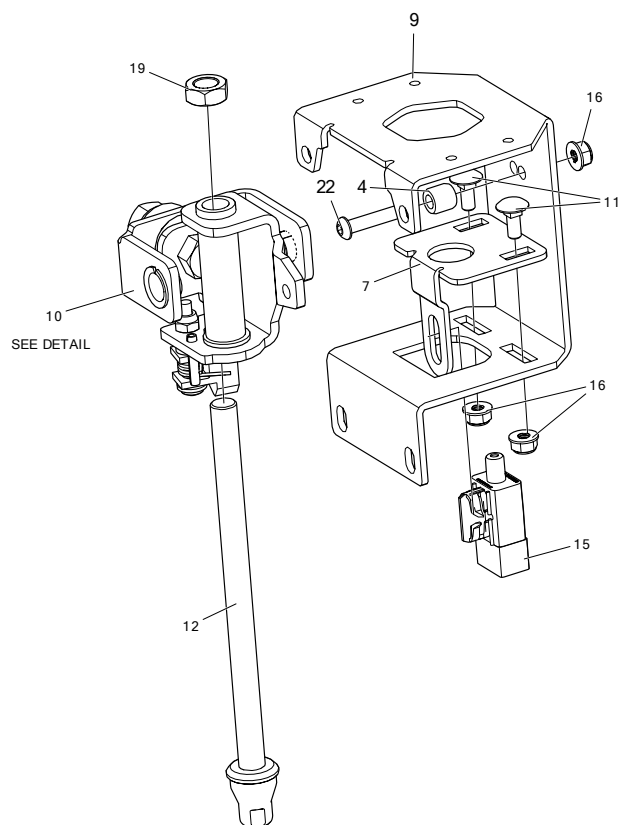
ITEM #	QTY	PART #	DESCRIPTION
1	2	659-159P	BRAKE LINK
2	1	E-6692	PLUNGER SWITCH, RAIL MOUNT
3	1	F-1009-01	FLAT WASHER, 1/4", YZ
4	2	F-1492	RUE RING, 5/16
5	4	F-2063	NUT, 5/16-18, NYLOC, FLANGED, YZ
6	1	F-2122	FHCS, 5/16-18 X 1-1/4", YZ, GR5, FULL THD
7	5	F-2132	NUT, 1/4-20 NYLOC, FLANGED, YZ
8	4	F-2134	HFCS, 1/4-20 X 0.625", YZ, SELF TAPPING
9	2	F-2148	FHCS, 5/16-18 X 1", YZ, GR5
10	1	F-2162	FHCS, 1/4-20 X 3/4", YZ, GR5
11	1	H-1635	SPRING, EXT, 3/4" OD X 4" OAL
12	2	H-1637	COMPRESSION SPRING, .045 X .420 X 1.25
13	2	H-2921	FLANGE BEARING-0.500"
14	2	H-2924	BRAKE LINK ROD
15	1	H-2953	WLDT, PARK BRAKE



ITEM #	QTY	PART #	DESCRIPTION
1	1	721-019P	PLT, TANK SUPPORT
2	2	F-2219	HFCS, 3/8-16 X 3/4", CZ, THD FORMING
3	1	H-1648	FUEL LINE, 1/2" O.D., 1/4" I.D.
4	2	H-1687	1/2 O.D. HOSE SPRING CLAMP
5	1	H-2831	KELCH REMOTE VENT
6	1	H-2679	KELCH REMOTE VENT GROMMET
7	1	H-2697	HOSE, FUEL LINE .188 ID X .406 OD
8	1	H-2698	CLAMP, .406 OD FUEL LINE
9	1	H-2741	GROMMET, PICK UP TUBE (DAPCO #12240)
10	1	H-2742	PICK UP TUBE (DAPCO INDUSTRIES)
11	1	H-2743	RATCHET CAP, W/TETHER, 3.5 DIA
12	1	H-3081	FUEL TANK
13	1	P-12922	VENDOR SUPPLIED EPA CERT. LABEL

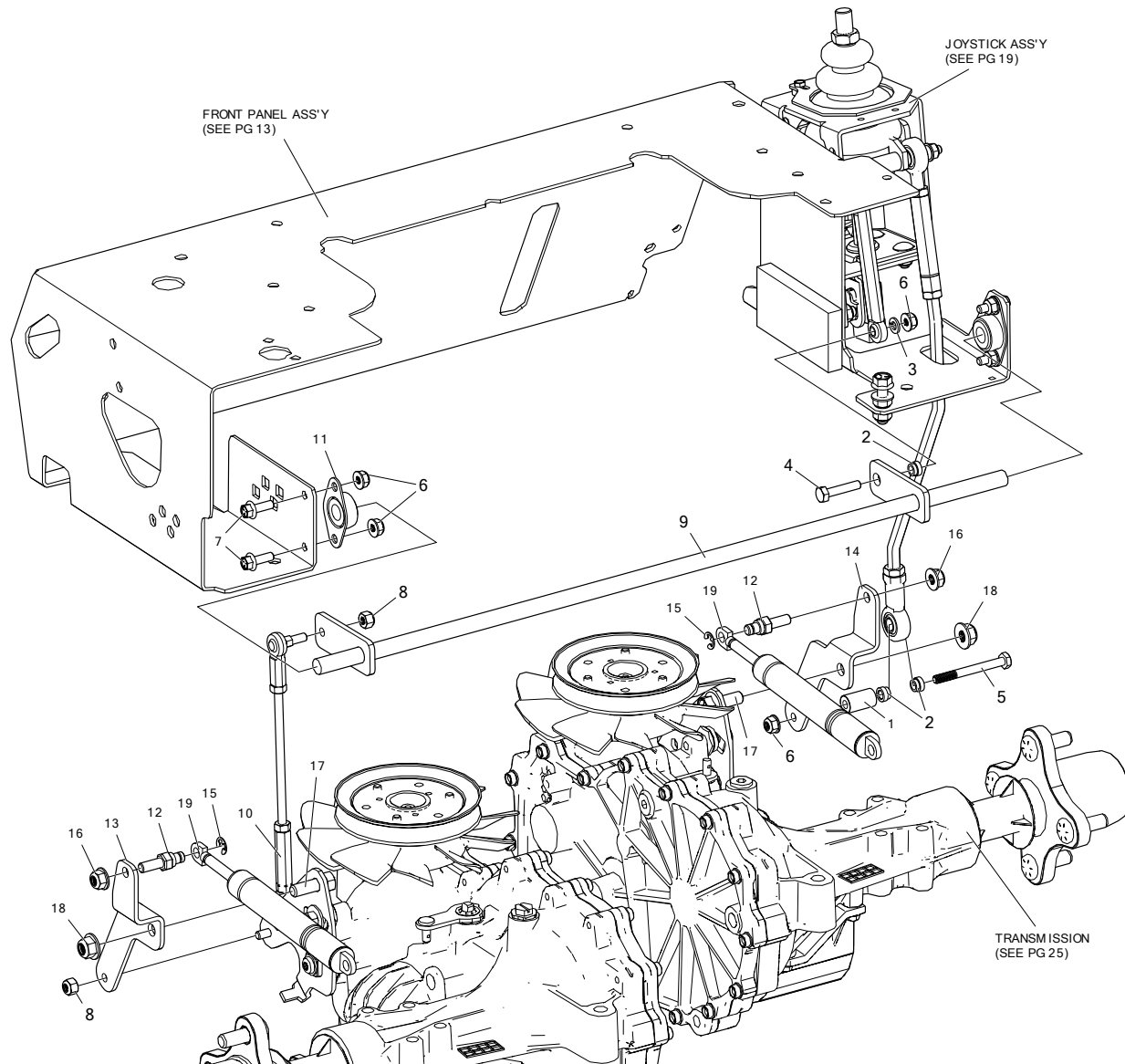


ITEM #	QTY	PART #	DESCRIPTION
1	1	625-100P	TUBE, PIVOT, JOYSTICK
2	1	625-107P	BUSHING, .375 ROD END
3	2	625-116P	BUSHING, .375 ROD END, SHORT
4	1	625-119P	PIN, PIVOT, JS, LONG
5	1	625-126P	SPACER, JOYSTICK PANEL
6	1	714-455A	RH JOYSTICK ASSEMBLY
7	1	720-038P	PLT, BOOT RETAINER
8	2	F-1011-01	NUT, HEX, 1/4-20 UNC-2B YELLOW PLATED
9	1	F-1020-01	CAPSCREW, 1/4-20 X 3-1/2", YZ, GR5
10	1	F-1158	NUT, CENTERLOCK, 1/4-20, YZ, GR5
11	2	F-1448	LOCKNUT, 10-32 NYLOC YELLOW PLTD
12	1	F-1462	JAM NUT, 1/2-20, RH, YZ
13	1	F-1521	WASHER, 1/2" CUSTOM, YZ
14	5	F-2063	NUT, 5/16-18, NYLOC, FLANGED, YZ
15	2	F-2100	HHMS, 10-32 X 7/8", CZ
16	1	F-2103	SHCS, BUTTON HD, 1/4-20 X 1-1/4", CZ
17	3	F-2120	FHCS, 5/16-18 X 3/4", YZ, GR5
18	1	F-2122	FHCS, 5/16-18 X 1-1/4", YZ, GR5, FULL THD
19	1	F-2132	NUT, 1/4-20 NYLOC, FLANGED, YZ
20	1	H-1991	JOY STICK BOOT
21	1	H-2964	HANDLE, JOYSTICK
22	1	H-2990	WEATHER-RESISTANT NEOPRENE FOAM (ADHESIVE) 1/2"
23	1	H-3025	LINKAGE: UPPER: 1/4-28 X 5
24	1	H-3198	LINKAGE ASSEMBLY, JS
25	1	H-1989	BUSHING BALL JOINT

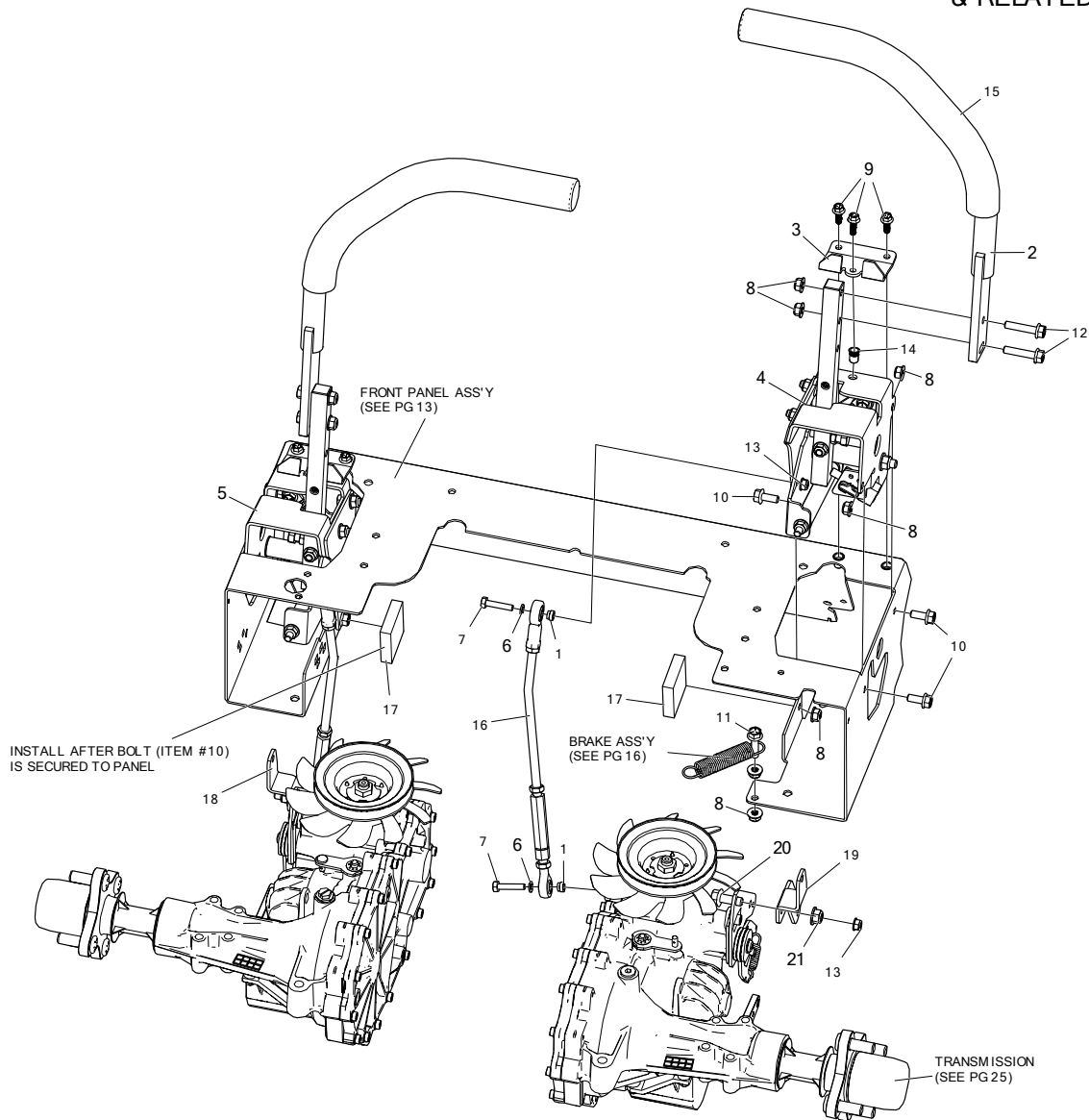


ITEM #	QTY	PART #	DESCRIPTION
1	1	625-096P	YOKE, SWIVEL, JOYSTICK
2	1	625-099P	TUBE, GUIDE, CONTROL ROD
3	1	625-103P	TAB, CAM DETENT
4	1	625-106P	PIN, PIVOT, JS
5	1	625-124P	TUBE-SPACER, DETENT CAM
6	1	625-125P	SPACER, CAM DETENT
7	1	724-114P	JOYSTICK NEUTRAL PLATE
8	1	625-128A	PIVOT ASSEMBLY
9	1	724-113P	JOYSTICK HOUSING
10	1	625-169A	YOKE, SWIVEL ASSEMBLY
11	2	F-2155	BOLT, CARRIAGE, 1/4-20 X 5/8", YZ, GR5
12	1	709-169A	ROD ASSEMBLY, SHORT, 1/2"
13	2	D-3784	BUSHING, DU 1/2 DIA X 3/8 WIDE
14	2	D-3931	THRUST BEARING
15	1	E-6692	PLUNGER SWITCH, RAIL MOUNT
16	3	F-2132	NUT, FLANGED, 1/4-20 w/NYLOC, YZ
17	1	F-1005-05	NUT, 1/2-13, CENTERLOCK, YZ, GR5
18	1	F-1293	HHCS, 1/2-13 X 2", YZ, GR5
19	1	F-1462	JAM NUT, 1/2-20, RH, YZ
20	1	F-1503	PIN, SPIROL 3/16 DIA X 1 X .010 THK
21	1	F-1521	WASHER, 1/2" CUSTOM, YZ
22	1	F-2103	SHCS, BUTTON HD, 1/4-20 X 1", CZ
23	1	F-2135	SCREW, PANHEAD, PHILLIPS #12-24 X 1.75 CZ
24	1	F-2136	WASHER, FLAT, #12 PLAIN, CZ
25	1	F-2137	NUT, #12-24, NYLOCK
26	1	H-2704	SPRING, BELLEVILLE, .50 X 1 X .073
27	2	H-2705	RING, RETAINING, .75 EXT.
28	1	H-2710	SPRING, DETENT, JOYSTICK
29	1	C-6202	GREASE, CHEVRON RYKOTAC GREASE EP

JOYSTICK ASSEMBLY MOUNTING
& RELATED PARTS



ITEM #	QTY	PART #	DESCRIPTION
1	1	625-100P	TUBE, PIVOT, JOYSTICK
2	3	625-116P	BUSHING, .375 ROD END, SHORT
3	1	F-1019-01	WASHER, LOCK, 1/4, YZ
4	1	F-1539	HHCS, 1/4-20 X 1-1/4", YZ, GR5
5	1	F-1703	CAPSCREW, HEXHD 1/4-20 X 2-1/2"
6	6	F-2132	NUT, 1/4-20 NYLOC, FLANGED, YZ
7	4	F-2162	FHCS, 1/4-20 X 3/4", YZ, GR5
8	2	F-2202	NUT, 1/4-20, NYLOC, YZ
9	1	H-2954	WLDT, JS PIVOT SHAFT
10	1	H-3021	LINKAGE, CONTROL LOWER
11	2	H-3031	SIDE FLANGE BRG., 0.500, BRONZE
12	2	638-028P	DAMPER BOLT: 5/16-18 X 3/4
13	1	721-121P	BRACKET, DAMPER OFFSET, LH
14	1	721-122P	BRACKET, DAMPER OFFSET, RH
15	2	F-1610	RETAINING RING
16	2	F-2063	NUT, 5/16-18, NYLOC, FLANGED, YZ
17	2	F-2141	FHCS, 3/8-16 X 1", YZ, GR5
18	2	F-2151	NUT, 3/8-16 NYLOC, FLANGED, YZ
19	2	H-2896	DAMPER, NC300, JS

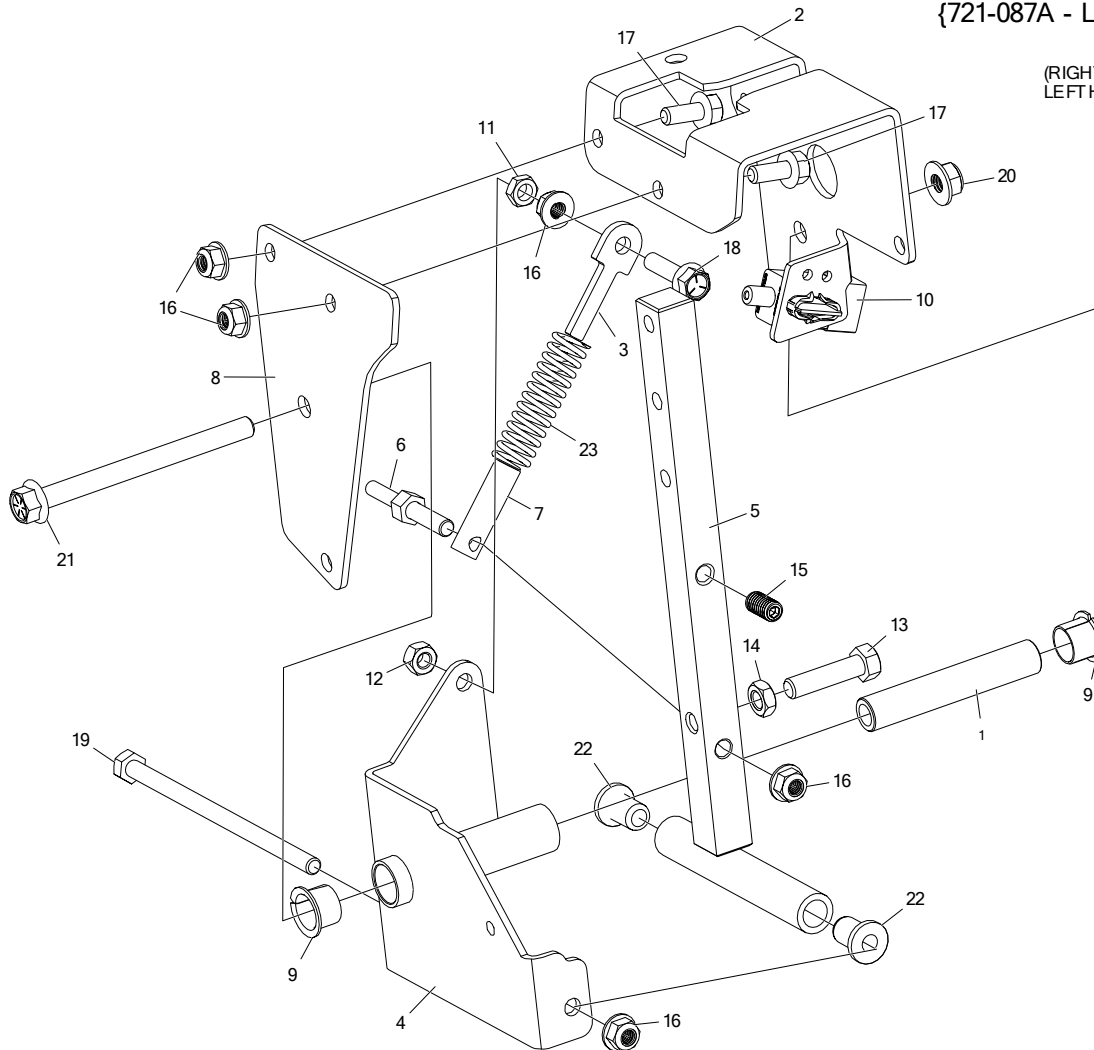


ITEM #	QTY	PART #	DESCRIPTION
1	4	625-116P	BUSHING, .375 ROD END, SHORT
2	2	659-375W	WLDT, DUAL LEVER
3	2	720-053P	PLT, TWIN LEVER SUPPORT
4	1	721-086A	ASSY, TS CONTROL, R
5	1	721-087A	ASSY, TS CONTROL, L
6	4	F-1019-01	WASHER, LOCK, 1/4, YZ
7	4	F-1716	CAPSCREW HX 1/4-20 X 1-1/2 GR5, YZ
8	12	F-2063	NUT, 5/16-18, NYLOC, FLANGED, YZ
9	6	F-2119	FHCS, 1/4-20 X 3/4", YZ, GR5, LOCK PATCH
10	6	F-2120	FHCS, 5/16-18 X 3/4", YZ, GR5
11	1	F-2122	FHCS, 5/16-18 X 1-1/4", YZ, GR5, FULL THD
12	4	F-2129	FHCS, 5/16-18 X 1-1/2", YZ, GR5
13	4	F-2132	NUT, 1/4-20 NYLOC, FLANGED, YZ
14	2	F-2229	NUT, RIVET, 1/4-20, OPEN END, .027-.165 MAT'L THK
15	2	H-2739	GRIP, 15", CLOSED END
16	2	H-3037	LINKAGE, OUTER, JS
17	2	H-2990	WEATHER-RESISTANT NEOPRENE FOAM (ADHESIVE) 1/2"
18	1	721-121P	BRACKET, DAMPER OFFSET, LH
19	1	721-122P	BRACKET, DAMPER OFFSET, RH
20	2	F-2141	FHCS, 3/8-16 X 1", YZ, GR5
21	2	F-2151	NUT, 3/8-16 NYLOC, FLANGED

CHALLENGER
(D510)

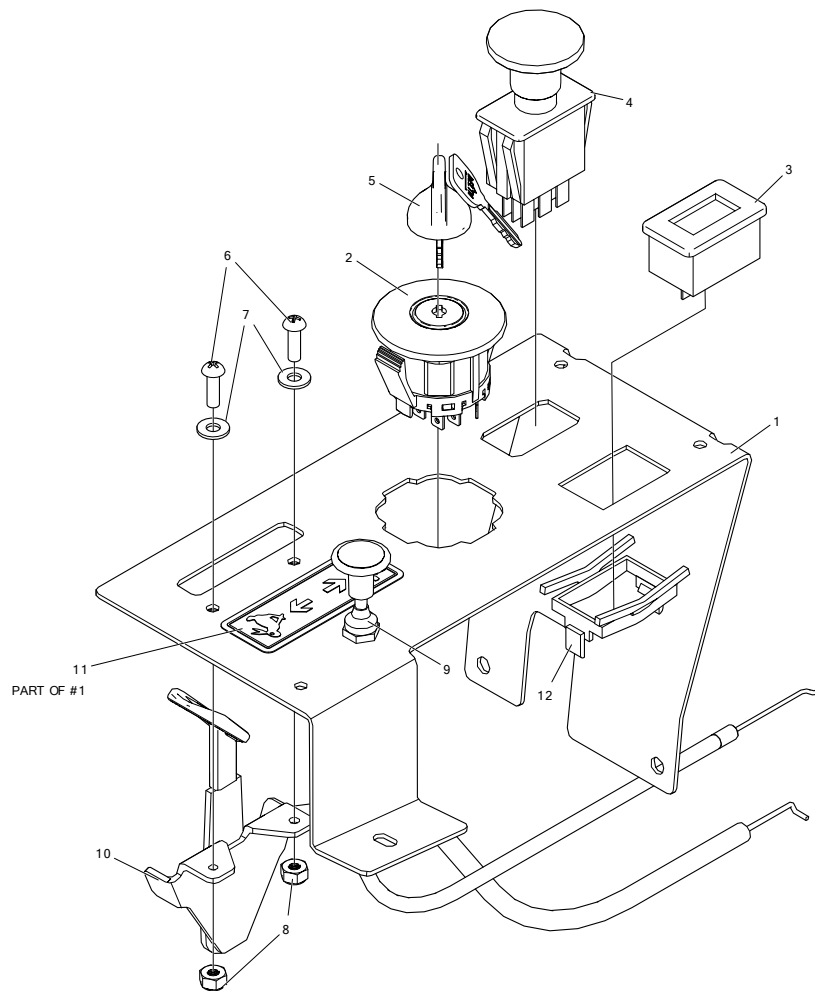
TWIN LEVER ASSEMBLY
{721-086A - RIGHT SIDE}
{721-087A - LEFT SIDE}

(RIGHT HAND SHOWN,
LEFT HAND OPPOSITE)



ITEM #	QTY	PART #	DESCRIPTION
1	1	714-074P	PIN, PIVOT, TWIN LEVER
2	1	714-266P	HOUSING, TWIN LEVER, R
-	1	714-269P	HOUSING, TWIN LEVER, L
3	1	721-006P	SPRING GUIDE, TS
4	1	721-088W	WLDT, TWIN LEVER PIVOT, R
-	1	721-089W	PIVOT WELDMENT OVER-CENTER, L
5	1	721-090W	WLDT, HANDLE BASE
6	1	721-093P	PIN, SPRING OVER-CENTER
7	1	721-094P	SPRING GUIDE, TS OVER-CENTER
8	1	721-103P	PLT, TS HOUSING, R
-	1	721-104P	PLT, TS HOUSING, L
9	2	D-3730	BUSHING, DU 5/8 DIA X 1/2 LG
10	1	E-6692	PLUNGER SWITCH, RAIL MOUNT
11	1	F-1011-02	NUT, HEX 5/16-18
12	1	F-1125	NUT, CENTERLOCK, 5/16-18, YZ, GR5
13	1	F-1306	HHCS, 3/8-16 X 1-1/2", FULL THRD, CZ, GR5
14	1	F-1486	NUT, JAM, 3/8-16, YZ
15	1	F-1903	SETSCREW, 3/8-16 X 3/4" W/ NYLON
16	5	F-2063	NUT, 5/16-18, NYLOC, FLANGED, YZ
17	2	F-2120	FHCS, 5/16-18 X 3/4", YZ, GR5
18	1	F-2122	FHCS, 5/16-18 X 1-1/4", YZ, GR5, FULL THD
19	1	F-2145	HHCS, 5/16-18 X 6", YZ, GR8
20	1	F-2151	NUT, 3/8-16 NYLOC, FLANGED, YZ
21	1	F-2160	FHCS, 3/8-16 X 4-1/2", YZ, GR5
22	2	H-3009	BUSHING, 0.313, NYLON, FLANGED
23	1	H-3079	SPRING, TS OVER CENTER

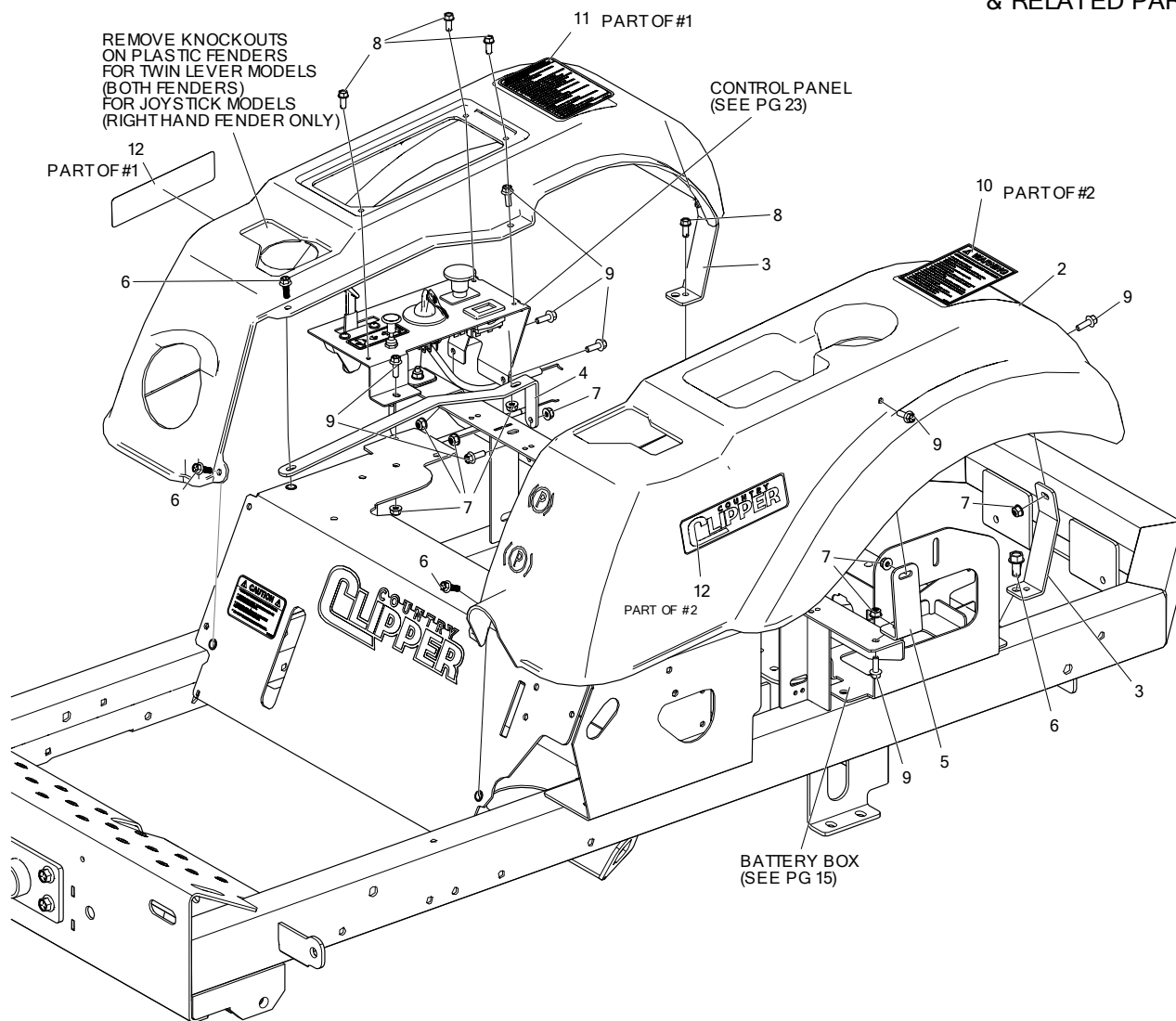
721-118A - KAWASAKI
721-120A - KOHLER



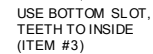
ITEM #	QTY	PART #	DESCRIPTION
1	2	721-125A	CONTROL PANEL W/ DECAL
2	1	E-6717	IGNITION SWITCH, 4 POSITION
3	1	E-5878	HOUR METER
4	1	E-6403	PTO SWITCH
5	1	E-6718	KEY ASSEMBLY
6	2	F-1022-26	MACHINE SCREW, RND, 10-32 X 5/8, SLOTTED, CZ
7	2	F-1071	WASHER, FLAT #10, ZINC PLATED #10 SAE FLAT WASHER
8	2	F-1448	LOCKNUT, 10-32 NYLOC YELLOW PLTD
9	1	H-2287	CHOKE CABLE, 43-1/2"
10	1	H-2610	THROTTLE CABLE, 38", KAWASAKI
-	1	H-2611	THROTTLE CABLE, 57", KOHLER
11	1	P-13481	DECAL, THROTTLE CONTROL
12	1	E-6369	RETAINER CLIP

CHALLENGER
(D510)

FENDER ASSEMBLY
& RELATED PARTS



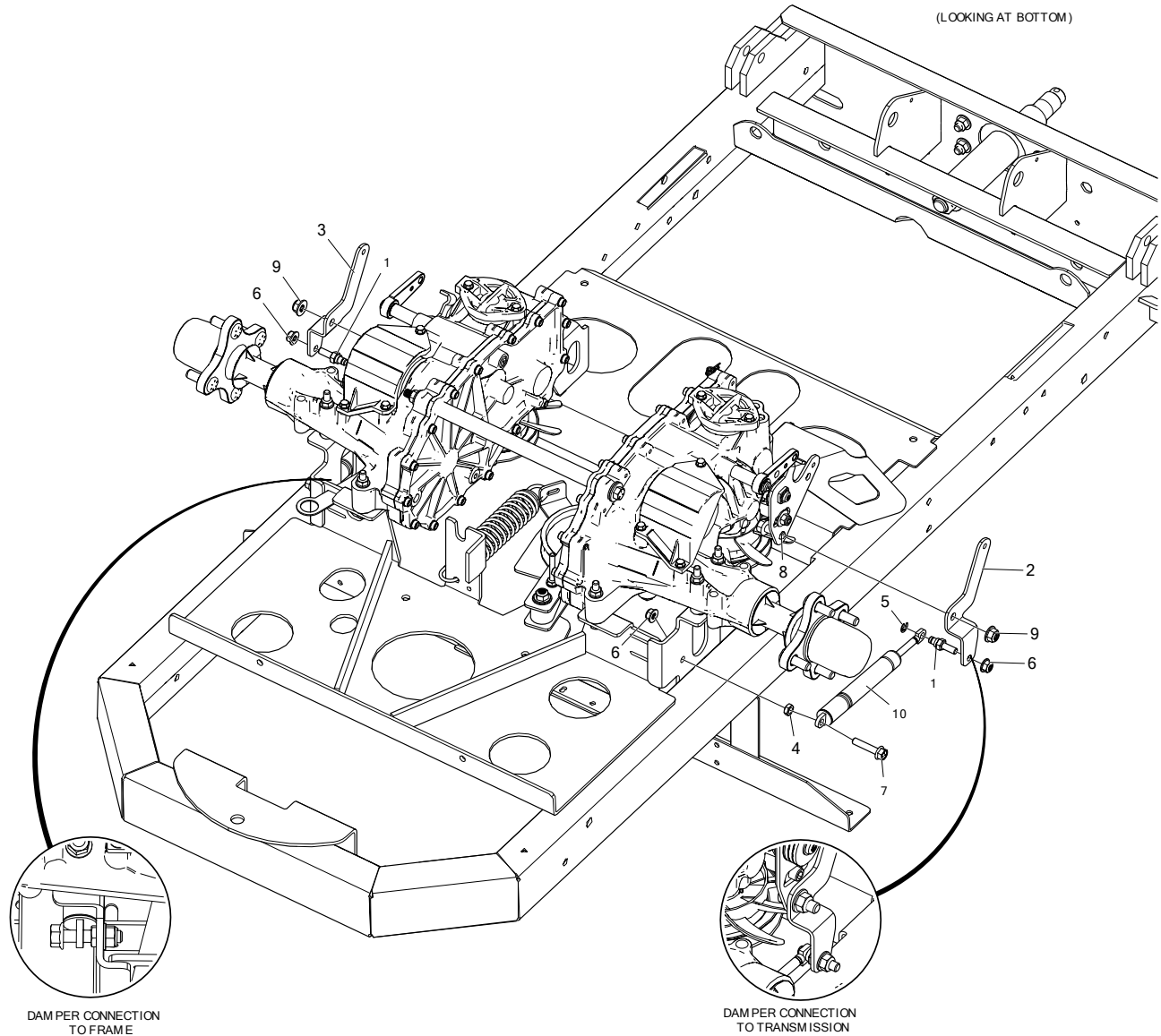
ITEM #	QTY	PART #	DESCRIPTION
1	1	714-037A	COVER, WHEEL FENDER, RH
2	1	714-038A	COVER, WHEEL FENDER, LH
3	2	721-046P	BRACKET, FENDER, REAR
4	2	721-047P	BRACKET, FENDER
5	2	721-048P	BRACKET, FENDER, MID
6	5	F-2119	FHCS, 1/4-20 X 3/4", YZ, GR5, LOCK PATCH
7	12	F-2132	NUT, 1/4-20 NYLOC, FLANGED, YZ
8	4	F-2134	HFCS, 1/4-20 X 0.625", YZ, SELF TAPPING, RH
9	12	F-2162	FHCS, 1/4-20 X 3/4", YZ, GR5
10	1	P-11370	DECAL, WARNING
11	1	P-13188	DECAL, INSTRUCTIONS
12	2	P-13366	DECAL, C/C LOGO, SM, VINYL



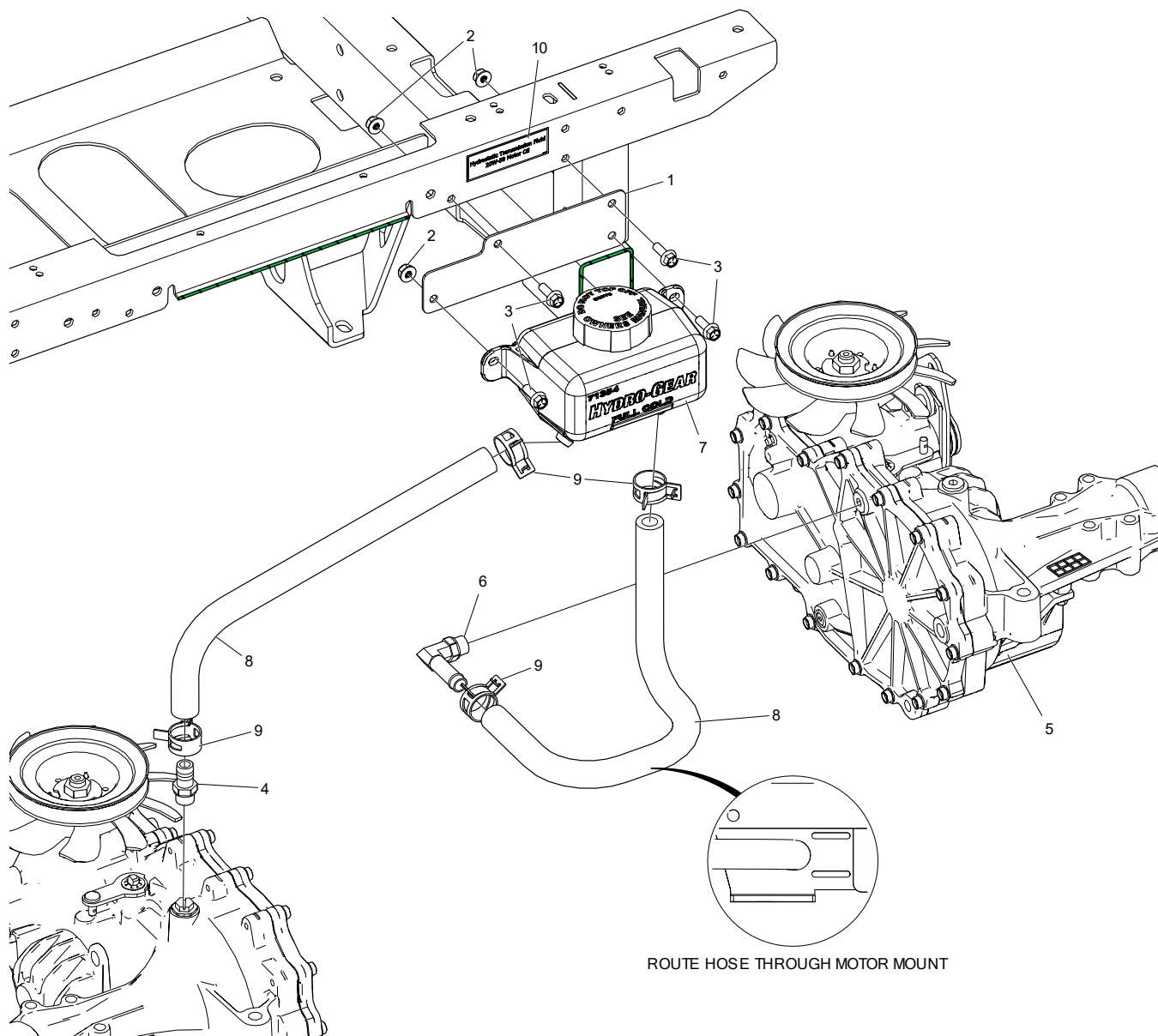
ITEM #	QTY	PART #	DESCRIPTION
14	8	F-2063	NUT, 5/16-18, NYLOC, FLANGED, YZ
15	1	F-2132	NUT, 1/4-20 NYLOC, FLANGED, YZ
16	2	F-2151	NUT, 3/8-16 NYLOC, FLANGED, YZ
17	1	F-2152	NUT, 1/2-13 NYLOC, FLANGED, YZ
18	4	F-2177	FHCS, 5/16-18 X 2-1/2, YZ, GR5
19	4	F-2178	FHCS, 5/16-18 X 3", YZ, GR5
20	1	F-2216	FHCS, 1/4-20 X 1-3/4, YZ, GR5
21	1	F-2218	FHCS, 3/8-16 X 2-1/4", YZ, GR5
22	1	H-2907	SPRING, 5.43 X 1-1/2", TAPERED ENDS
23	1	H-2942	PLT, IDLER ARM, TOP
24	1	H-2943	PLT, IDLER ARM, BOTTOM
25	1	H-2962	SPACER, IDLER

TRANSMISSION ASSEMBLY & RELATED PARTS

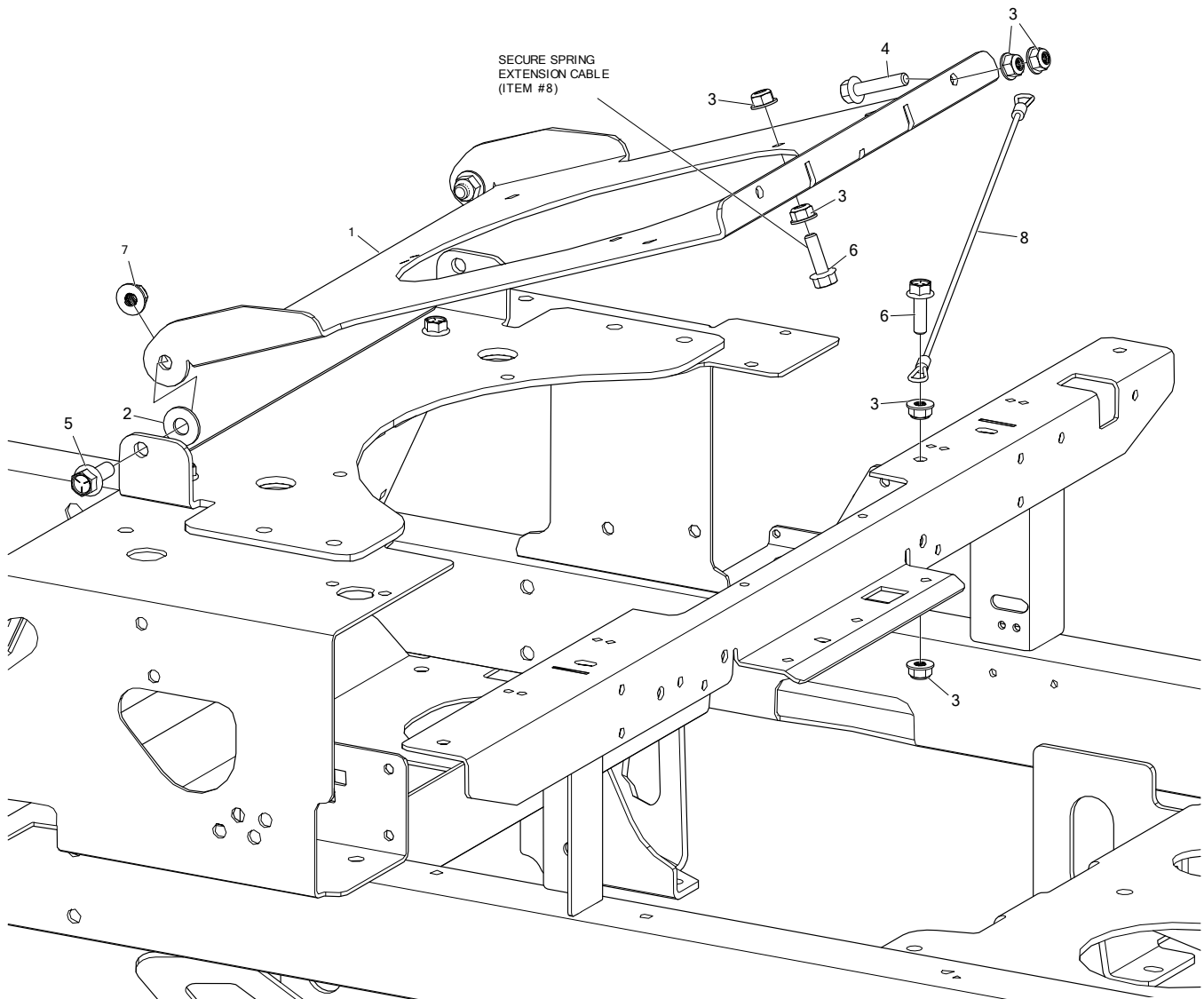
(LOOKING AT BOTTOM)



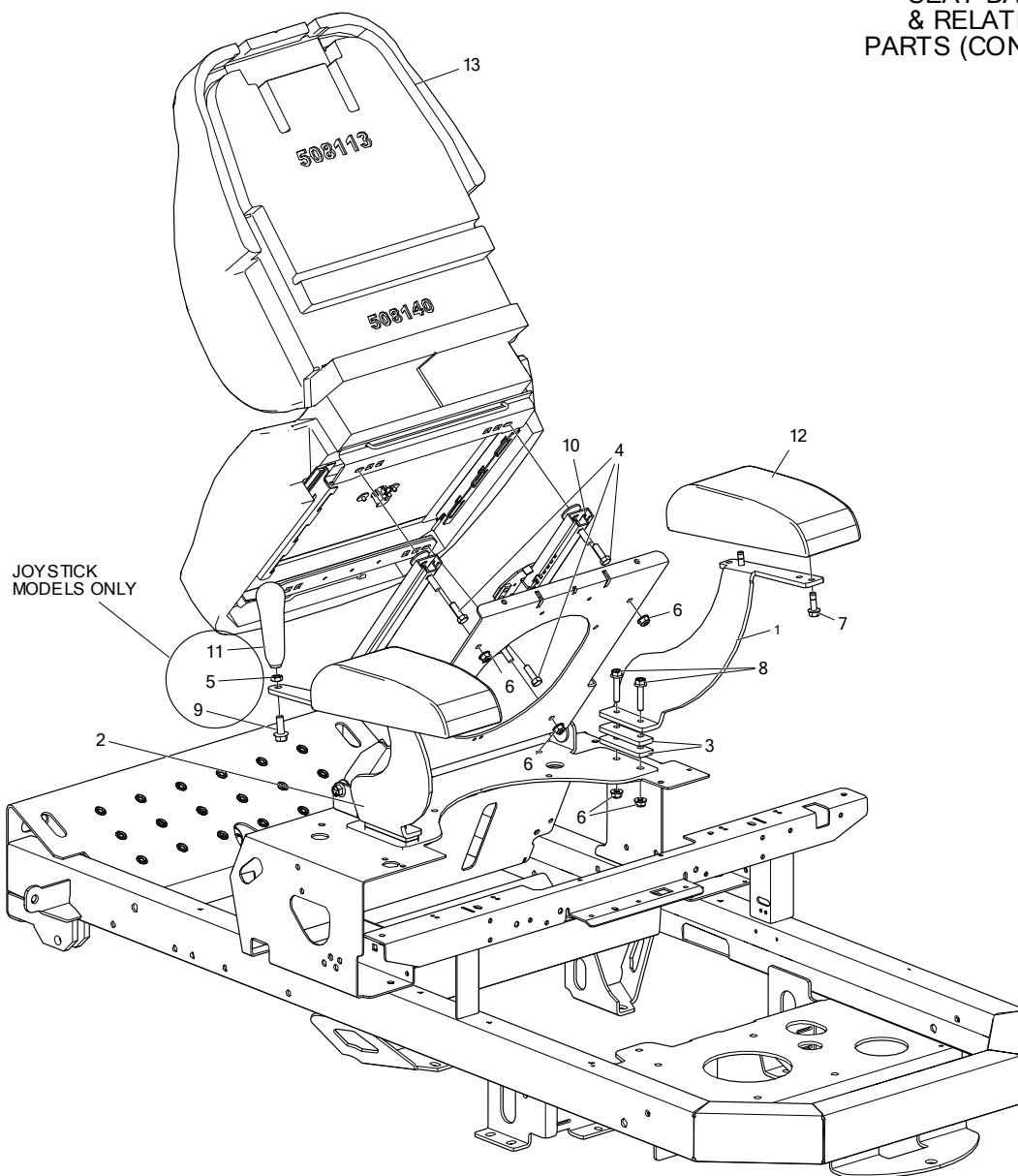
ITEM #	QTY	PART #	DESCRIPTION
1	2	638-028P	DAMPER BOLT: 5/16-18 X 3/4
2	1	721-121P	BRACKET, DAMPER OFFSET, LH
3	1	721-122P	BRACKET, DAMPER OFFSET, RH
4	2	F-1011-02	NUT, HEX 5/16-18
5	2	F-1610	RETAINING RING
6	4	F-2063	NUT, 5/16-18, NYLOC, FLANGED, YZ
7	2	F-2129	FHCS, 5/16-18 X 1-1/2", YZ, GR5
8	2	F-2141	FHCS, 3/8-16 X 1", YZ, GR5
9	2	F-2151	NUT, 3/8-16 NYLOC, FLANGED, YZ
10	2	H-2896	DAMPER, NC300, JS



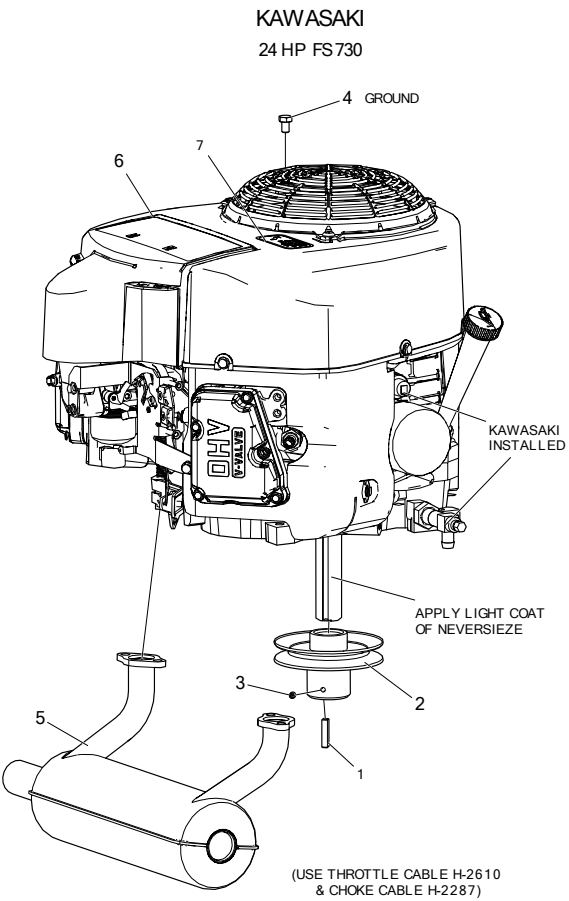
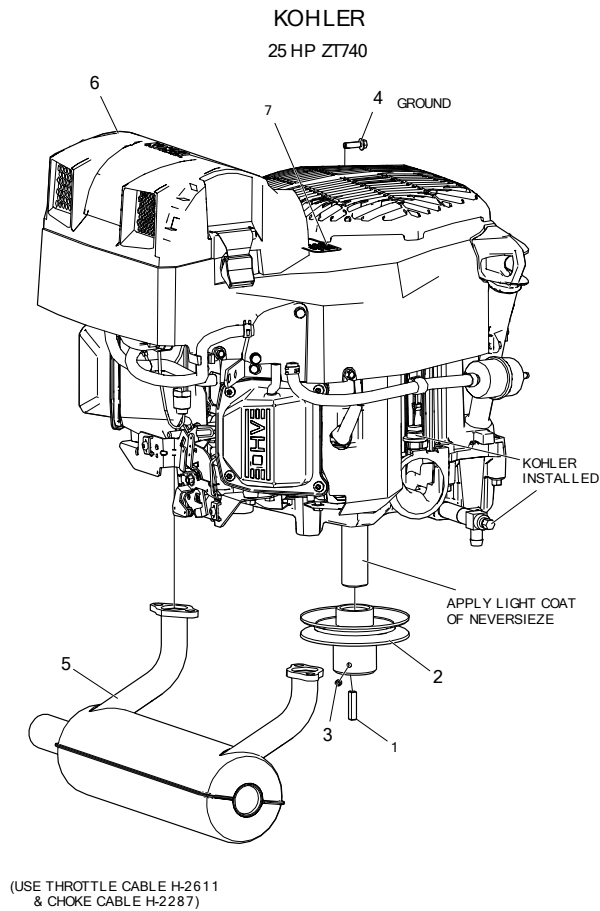
ITEM #	QTY	PART #	DESCRIPTION
1	1	721-029P	PLT, TANK MOUNT
2	4	F-2132	NUT, 1/4-20 NYLOC, FLANGED, YZ
3	4	F-2162	FHCS, 1/4-20 X 3/4", YZ, GR5
4	1	H-2517	VENT TUBE ADAPTER
5	2	H-2567	TRANSAXLE OIL FILTER
6	1	H-2762	VENT TUBE ADAPTER
7	1	H-3033	HYDRO TANK ASSEMBLY
8	2	H-3084	HOSE, 1/2" DIA X 16-1/2"
9	4	H-3089	HOSE CLAMP, 0.78 HOSE O.D.
-	4	H-3155	HOSE CLAMP, 0.88 HOSE O.D.
10	1	P-11052	DECAL, "TRANSMISSION OIL..."



ITEM #	QTY	PART #	DESCRIPTION
1	1	721-013P	PLT, SEAT MOUNT, LOW
2	2	F-1009-03	WASHER, FLAT, 3/8, YZ
3	6	F-2063	NUT, 5/16-18, NYLOC, FLANGED, YZ
4	1	F-2129	FHCS, 5/16-18 X 1-1/2", YZ, GR5
5	2	F-2141	FHCS, 3/8-16 X 1", YZ, GR5
6	2	F-2148	FHCS, 5/16-18 X 1", YZ, GR5
7	2	F-2151	NUT, 3/8-16 NYLOC, FLANGED, YZ
8	1	H-2460	SPRING EXTENSION CABLE



ITEM #	QTY	PART #	DESCRIPTION
1	1	720-017P	MOUNT PLATE, ARM REST, R
2	1	720-018P	MOUNT PLT, ARM REST, L
-	1	720-071P	PLT, ARM REST, LH, JS
3	4	721-061P	PLATE, SPACER
4	4	F-1015-15	HHCS, 5/16-18 X 1", YZ, GR5
5	1	F-1486	NUT, JAM, 3/8-16, YZ
6	8	F-2063	NUT, 5/16-18, NYLOC, FLANGED, YZ
7	4	F-2121	FHCS, 5/16-18 X 1", LOCK PATCH, YZ, GR5
8	4	F-2129	FHCS, 5/16-18 X 1-1/2", YZ, GR5
9	1	F-2141	FHCS, 3/8-16 X 1", YZ, GR5
10	1	H-2760	TRACK KIT, HD, 6" TRAVEL
11	1	H-2764	HANDLE, JOYSTICK
12	2	H-2799	PAD, ARM REST
13	1	H-3087	SEAT ASSY, w/N.C. SWITCH, 1211
-	1	H-3214	SEAT BACK COVER FOR H-3087

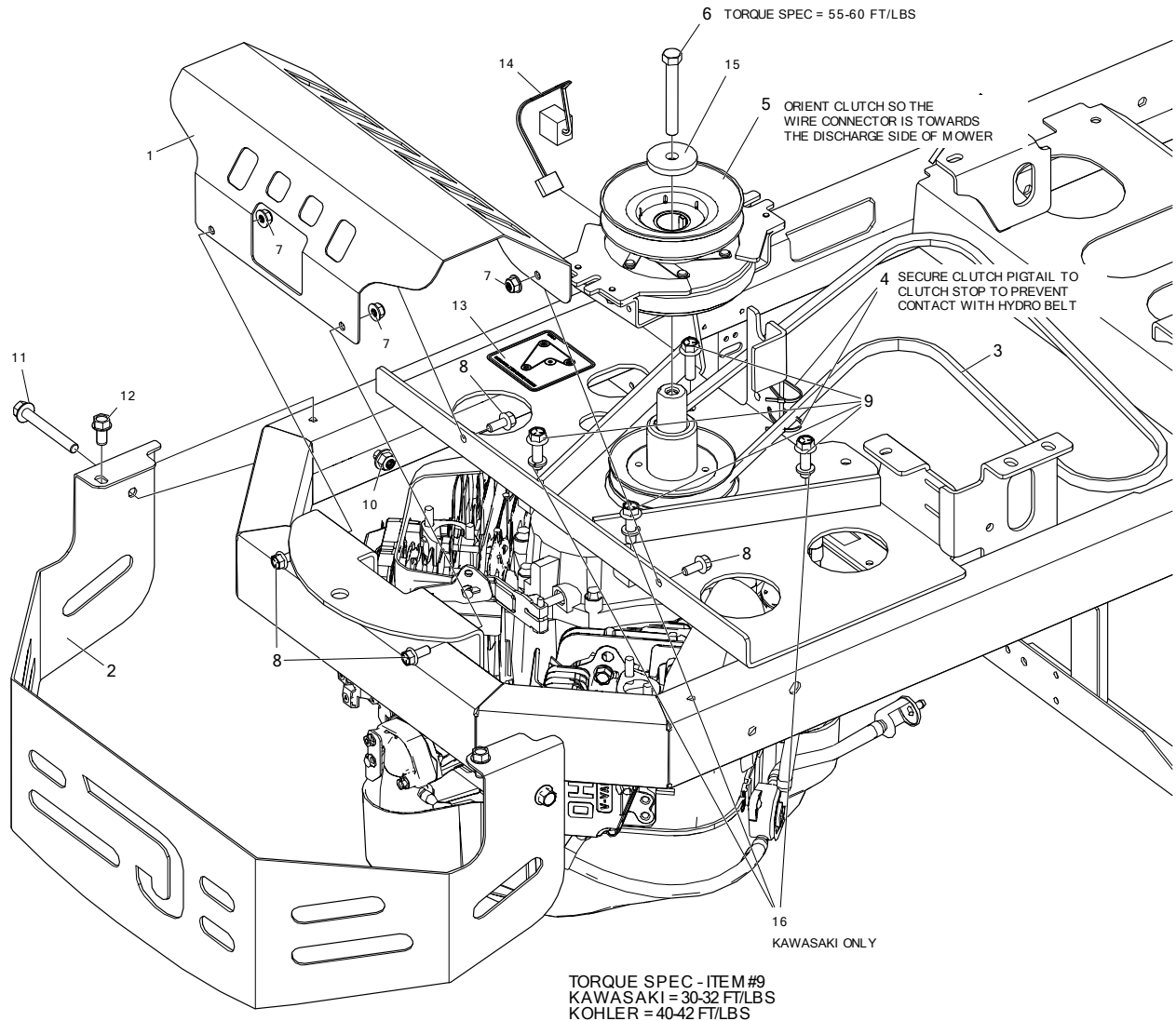


ITEM #	QTY	PART #	DESCRIPTION
1	1	621-113P	SQUARE KEY 1/4 X 1/4 X 1-1/4
2	1	D-3974	MOTOR, PULLEY, 4.51 W/ 1-1/8" SHAFT
3	1	F-1228	SET SCREW, SOCKET, 1/4-20 X 1/4", W/NYLOC
4	1	F-2049	M6-1 X 20 H.F. FORM SCREW
5	1	H-3034	MUFFLER, KOHLER ZT740
6	1	M-5418	ENGINE, KOH, 25HP ZT740, 3400RPM
7	1	P-10077-11	DECAL, "PERIODIACALLY CLEAN"

ITEM #	QTY	PART #	DESCRIPTION
1	1	621-113P	SQUARE KEY 1/4 X 1/4 X 1-1/4
2	1	D-3974	MOTOR, PULLEY, 4.51 W/ 1-1/8" SHAFT
3	1	F-1228	SET SCREW, SOCKET, 1/4-20 X 1/4", W/NYLOC
4	1	F-2243	HHCS, M8-1.25 X 12, YZ, GR8
5	1	H-3020	MUFFLER, KAWASAKI FR730
6	1	M-5420	ENGINE, KAW, 24HP FS730, 3400RPM
7	1	P-10077-11	DECAL, "PERIODIACALLY CLEAN"

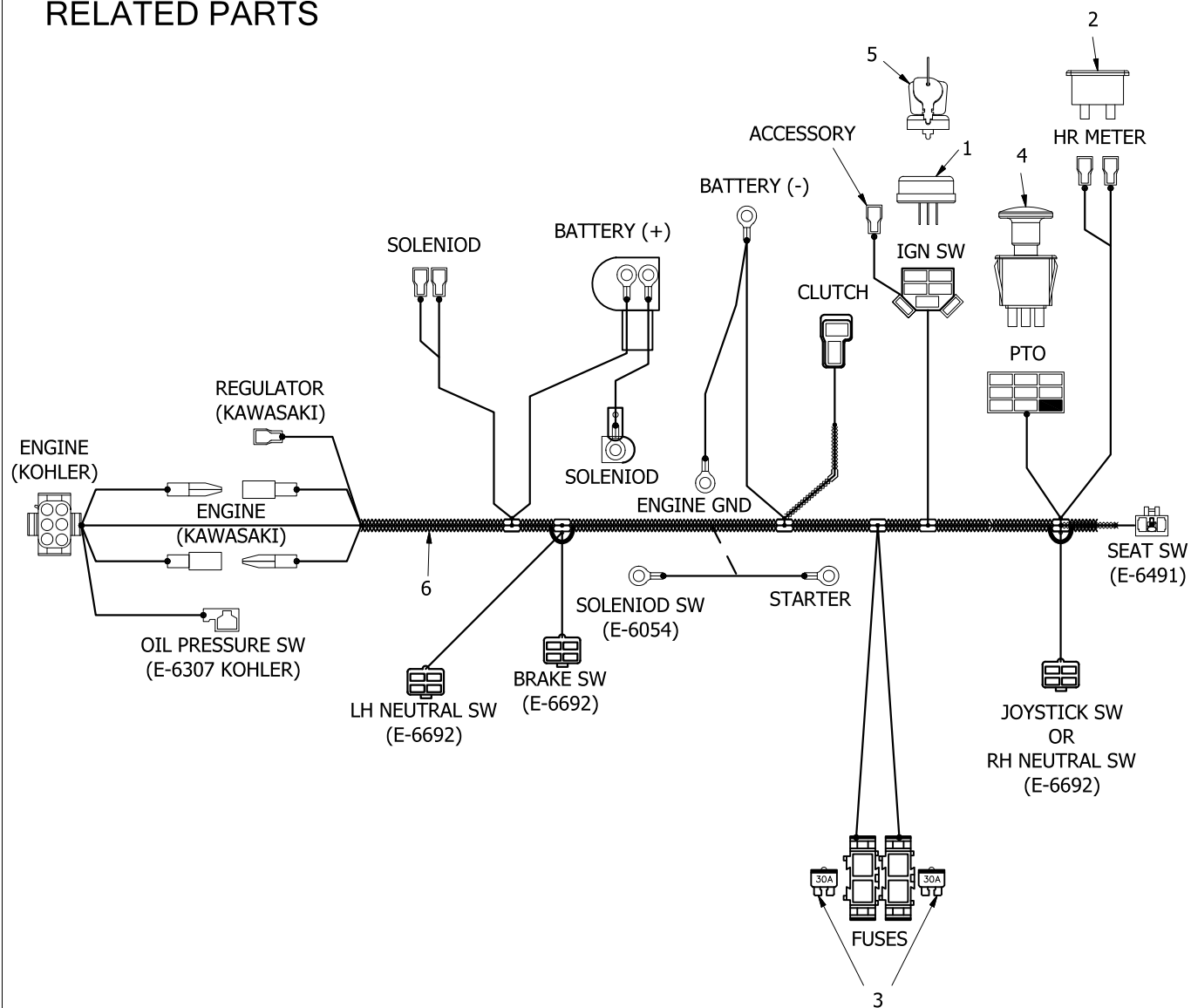
ENGINE & CLUTCH MOUNTING & RELATED PARTS

(LOOKING AT BOTTOM)



ITEM #	QTY	PART #	DESCRIPTION
1	1	714-398P	GUARD, MUFFLER
2	1	721-117P	GUARD, ENGINE
3	1	D-3769	V BELT A-67 KEVLAR
4	2	E-5842	WIRE TIE
5	1	E-6780	CLUTCH, OGURA GT2.75, 150 FT/LBS, 1-1/8" BORE
6	1	F-2139	HHCS, 7/16-20 X 2", YZ, GR8
7	4	F-2063	NUT, 5/16-18, NYLOC, FLANGED, YZ
8	4	F-2120	FHCS, 5/16-18 X 3/4", YZ, GR5
9	4	F-2125	FHCS, 3/8-16 X 1-1/4", YZ, GR5, KAWASAKI
-	4	F-2238	HFCS, 3/8-16 X 1-1/4", CZ, THD FORMING, KOHLER
10	2	F-2151	NUT, 3/8-16 NYLOC, FLANGED, YZ
11	2	F-2180	FHCS, 3/8-16 x 3", YZ, GR5
12	2	F-2219	HFCS, 3/8-16 X 3/4", CZ, THD FORMING
13	1	P-12918	DECAL, HYDRO BELT ROUTING
14	1	E-6575	HARNESS ADAPTER, CLUTCH PIGTAIL (13.75")
15	1	720-124P	WASHER, OGURA CLUTCH, 0.471 ID X 1.875 OD X 0.25 THK
16	3	F-1019-03	LOCKWASHER, HVY, 3/8, YZ, KAWASAKI ONLY

WIRE HARNESS & RELATED PARTS



ITEM #	PART #	DESCRIPTION
1	E-6717	IGNITION SWITCH, 4 POSITION
2	E-5878	HOUR METER
3	E-6207	FUSE, #ATC-30
4	E-6403	PTO SWITCH
5	E-6718	KEY ASSEMBLY
6	E-6778	WIRE HARNESS, COMMON

WIRING SCHEMATIC

