

Parts Catalog

Armadillo

SW/9XV & SW/9XR
Gasoline, Lpg & Diesel
Starting @ Serial Number 18168059



Thank you for your purchase of the now industry standard for sweepers. PowerBoss takes great pride in offering the most dependable, reliable and best value in industrial power sweepers and sweeper / scrubbers. We set the standard.

Our Publishing Department would like to hear from you. If you see any errors, omissions or something that needs clarification in this Spare Parts Catalog please let us know. We are working hard toward perfection in our corner of the process to bring you the best you can buy. Please copy the form below, fill out and comment on how you found our catalog.

Thank you.

*Name _____

*Title: _____

*Company Name: _____

*Address: _____

*Country: _____

Type of equipment or model number: _____

Comments:

*Information is optional.

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This is the Spare Parts Catalog for the PowerBoss Armadillo SW/9X Series Sweeper. This catalog covers all Standard Armadillo SW/9X Series machine variations beginning May 2009. We believe this machine will provide excellent service for many years.

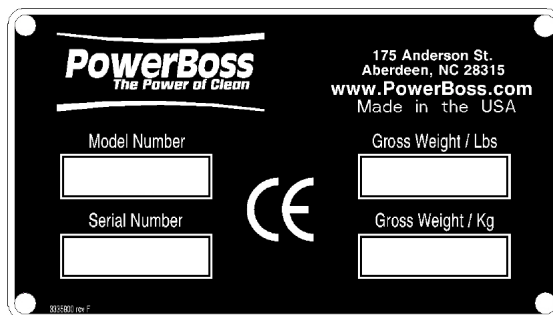
However, the best results will be obtained if:

- The machine is operated with reasonable care.
- The machine is maintained regularly per the maintenance schedule provided in the User Manual.
- The machine is maintained with PowerBoss Inc. supplied or equivalent parts.

All right side and left side references to the machine (except for engine) are determined by facing the direction of forward travel. The front of the engine or engine fan faces the rear of the machine. Some hardware considered to be common or locally available has been omitted from the parts section to make this manual clear. Be sure to use equivalent hardware when replacement becomes necessary.

The Model and Serial Number of your machine is shown on the I.D. name plate. This information is needed when contacting Technical Support or when ordering parts. The I.D. plate is mounted on the console of the machine left of the operator. Adjacent the main broom adjustment access door.

Example I.D Plate;



Parts may be ordered by phone, fax or e-mail from any PowerBoss parts and service center. Before ordering parts or supplies, be sure to have your machine model number and serial number handy. For your convenience Fill out the data block below for future reference.

MACHINE DATA Fill out at installation	
Serial Number:	_____
Engine Serial Number:	_____
Sales Rep.:	_____
Date of Install:	_____

All information contained in this catalog is current at the time of printing. However, PowerBoss reserves the right to make changes at any time without notice.

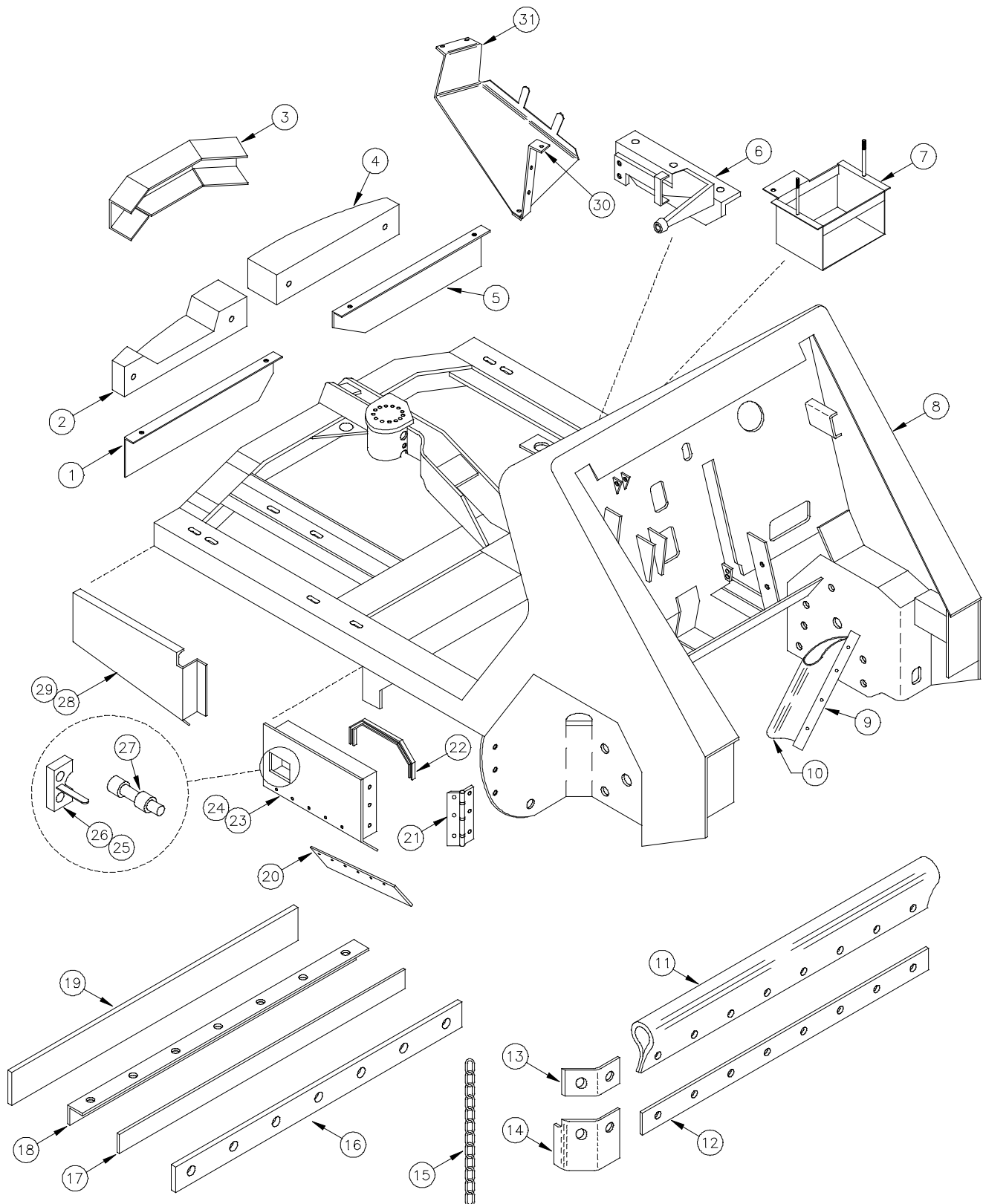
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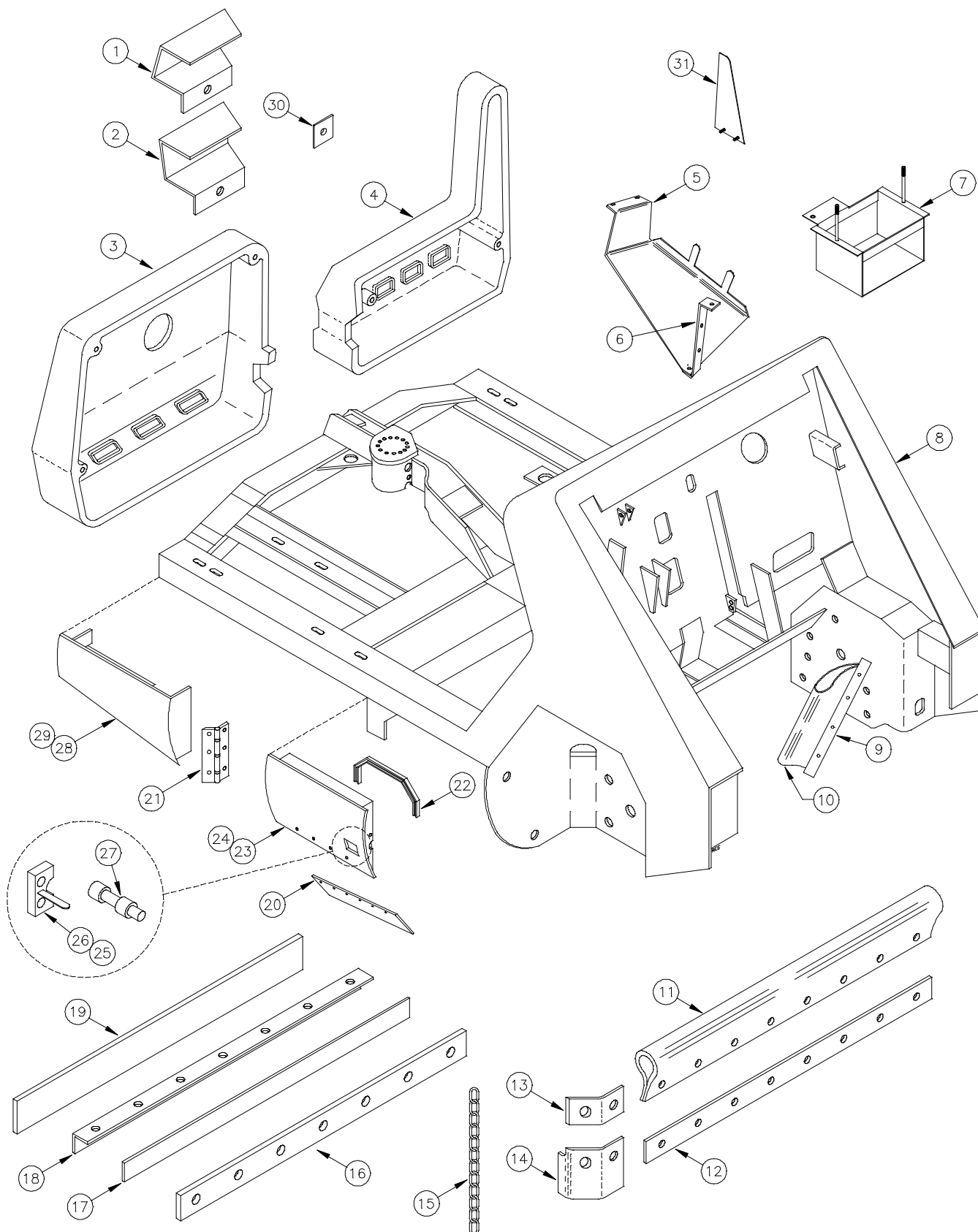
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°C-Degrees Celsius	INFO-Information
°F-Degrees Fahrenheit	INT-Internal or Interior
12V-12 Volts DC	LG-Long
AR-Abrasion Resistant	LH-Left Hand
ASSY-Assembly	LPG-Liquefied Petroleum Gas
ATO-Standard Auto Fuse Type	LP-Liquefied Petroleum
Also called ATC	M8x1-Indicates Metric threads,
BHSCS-Button Head Screw SS	8mm Dia with a 1mm thread pitch
BLK-Black	MM-Millimeters
BLT-Belt	MNT-Mount
BR-Brass or Broom or Brush	MS-Mld Size
BRM-Broom	OD-Outside Diameter
BRKT-Bracket	PLTD-Plated
CB-Curb Broom	REV-Reverse
CCW-Counter Clockwise	RH-Right Hand
CI-Cubic Inch	ROT-Rotation
CW-Clockwise Rotation	RTR-Rotary Trash Relocator
CYL-Cylinder	SCR-Screw
DEG-Degrees	SC-Scrubber
DIA-Diameter	SP-Service Part
DPDT-Double Pole Double Throw	SPDT-Single Pole Double Throw
ELEC-Electric	SPST-Single Pole Single Throw
ES-Elastic Stop, also Nyloc	SS-Stainless Steel
EXT-Exterior or Extended	STR-Straight
FI-Fuel Injection	ST-Straight
FS-Full Size	SUB-Sub Assembly
FTG-Fitting	THD-Thread
FWD-Forward	THK-Thick
REV-Reverse	THRU-Through
GAL-US Gallon (3.79 Liters)	UNC-Unified Nat'l Coarse Threads
GOV-Governor	UNF-Unified Nat'l Fine Threads
HD-Head	V1505-Kubota Diesel Engine
HD-Heavy Duty	GM1.6L-General Motors LP / Gasoline
HOP-Hopper	Engine
HSS-High Speed Steel	W/-With
HT-High Temperature	WELD-Weldment
HT-Height	W/O-Without
HYD-Hydraulic	SP-Zinc Plated
ID-Identification	
ID-Inside Diameter	
IMP-Impeller	

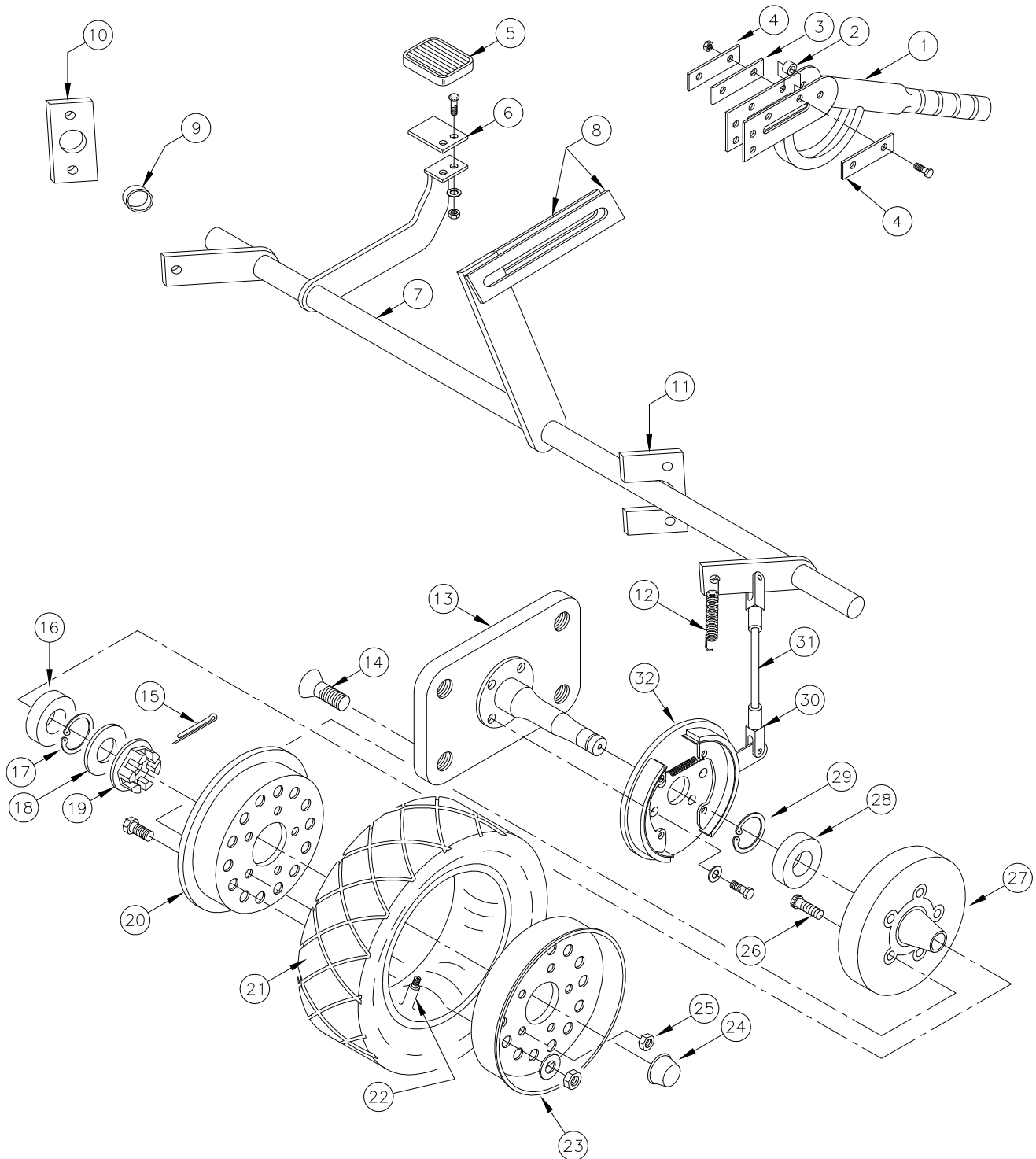


ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3333711		1	PANEL-RH REAR
2	3309707		1	COUNTERWEIGHT-RH
3	3332147		1	COVER-COUNTER WEIGHT CENTER
4	3301046		1	COUNTERWEIGHT-LH
5	3335397		1	PANEL-LH REAR SW/9XR
6	3317117		1	ASSEMBLY-ENGINE LOCK SUB
7	3321296		1	WELDMENT-BATTERY BOX (also see Battery Detail pg 49)
8	3335310		1	WELDMENT-FRAME TIER 2
9	3315203		2	RETAINER-HOPPER SIDE SEAL
10	3318143		2	FLAP-RUBBER HOPPER/FRAME SIDE
11	3307276		1	SEAL-FRAME HOPPER HORIZONTAL
12	3307281		1	STRAP-FRAME HOP FLAP
13	3307287		1	STRAP-BROOM CORNER FLAP
14	3307286		1	FLAP-BROOM CHAMBER CORNER
15	3307658		1	CHAIN-FRAME GROUNDING
16	3307283		1	STRAP-REAR FEED FLAP
17	3307279		1	FLAP-REAR FEED
18	3307282		1	ANGLE-REAR FLAP
19	3307278		1	FLAP-REAR HOPPER
20	3333705		2	FLAP-BROOM DOOR
21	3307275		2	HINGE-BROOM DOOR
22	3318739		3.0'	WEATHERSTRIPPING-RUBBER SPONGE
23	3333702		1	SUB-BROOM DOOR RH (Includes Items 20, 23-26)
23	3333703		1	DOOR-BROOM RH (DOOR ONLY)
24	3333706		1	SUB-BROOM DOOR LH (Includes Items 20, 23-26)
24	3333707		1	DOOR-BROOM LH (DOOR ONLY)
25	3307246		1	LATCH-LH BROOM DOOR
26	3307247		1	LATCH-RH BROOM DOOR
27	3307248		2	BOLT-STRIKER BROOM DOOR LATCH
28	3333709		1	SKIRT-RH SIDE
29	3333710		1	SKIRT-LH SIDE
30	3307792		1	BAR-HOSE PAN SUPPORT
31	3307791		1	PAN-HOSE



ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1		3307804	1	COVER-UPPER CASTING
2		3307810	1	COVER-LOWER CASTING
3		3307320	1	COUNTERWEIGHT-RH MACHINED GASOLINE & DIESEL (SHOWN)
3		3307835	1	COUNTERWEIGHT-RH LPG (NOT SHOWN)
4		3307321	1	COUNTERWEIGHT-LH MACHINED
5	3307791		1	PAN-HOSE
6	3307792		1	BAR-HOSE PAN SUPPORT
7	3321296		1	WELDMENT-BATTERY BOX
8	3335310		1	WELD-FRAME, TIER 2,
9	3315203		2	RETAINER-HOPPER SIDE SEAL
10	3318143		2	SEAL-RUBBER HOPPER/FRAME SIDE
11	3307276		1	SEAL-FRAME HOPPER HORIZONTAL
12	3307281		1	STRAP-FRAME HOPPER FLAP
13	3307287		1	STRAP-BROOM CORNER FLAP
14	3307286		1	FLAP-BROOM CHAMBER CORNER
15	3307658		1	CHAIN-FRAME GROUNDING
16	3307283		1	STRAP-REAR FEED FLAP
17	3307279		1	FLAP-REAR FEED
18	3307282		1	ANGLE-REAR FLAP
19	3307278		1	FLAP-REAR HOPPER,
20	3307280		2	FLAP-MAIN BROOM DOOR
21	3307275		2	HINGE-BROOM DOOR
22	3318739		3.0'	WEATHERSTRIPPING-RUBBER SPONGE
23		3307025	1	ASSEMBLY-BROOM DOOR RH SUB (Includes Items 20,23-26)
23		3307265	1	WELDMENT-DOOR, RH BROOM, (DOOR ONLY)
24		3307024	1	ASSEMBLY-BROOM DOOR LH SUB (Includes Items 20,23-26)
24		3307266	1	WELDMENT-DOOR, LH BROOM, (DOOR ONLY)
25		3307246	1	LATCH-LH BROOM DOOR
26		3307247	1	LATCH-RH BROOM DOOR
27		3307248	2	BOLT-STRIKER BROOM DOOR LATCH
28		3307520	1	WELDMENT-SKIRT LH REAR SIDE
29		3307519	1	WELDMENT-SKIRT RH REAR SIDE
30		3307831	1	BACKING-CASTING COVER
31		3307799	1	WELDMENT-CORNER GUARD

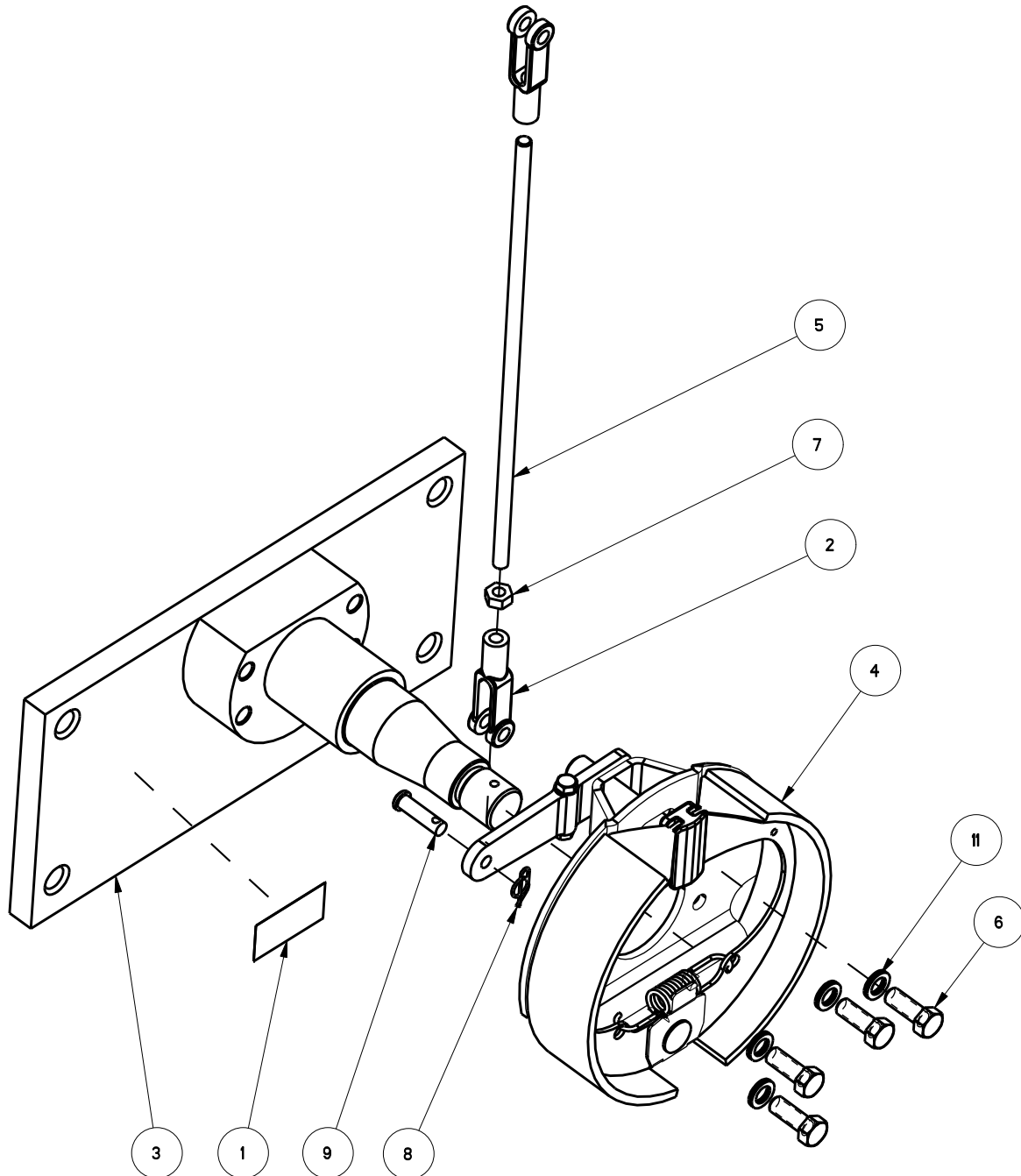
MECHANICAL BRAKE ASSEMBLY



MECHANICAL BRAKE ASSEMBLY

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3334173		1	LEVER-HAND BRAKE
2	3307241		2	SPACER-HAND BRAKE CYLINDRICAL
3	3307273		1	SPACER-HAND BRAKE FLAT
4	3307895		2	SPACER-HAND BRAKE THIN
5	3300413		1	PAD-RUBBER BRAKE PEDAL
6	3307274		1	PLATE-BRAKE PAD MOUNTING
7	3333948		1	ASSY-MANUAL BRAKE BAR
8	3334087		2	BAR-PARKING BRAKE SLIDER
9	3307239		2	BEARING-.88IDx1.00ODx.50LG
10	3307233		2	MOUNT-.88 DIA BEARING
11	3334060		1	SUPPORT-MANUAL BRAKE BAR
12	3334098		2	SPRING-3/4" DIA EXTENSION
13	3334058		2	WELDMENT-FRONT AXLE LH&RH
14	3400011		8	SCR-FLAT HEAD 5/8-11x1.00
15	3400120		2	PIN-COTTER, 5/32x2.00
16	3300467		2	BEARING-BALL 2.44 OD x 1.18 ID
17	3300473		2	RING-RETAINING, INTERNAL 2.44"
18	3307352		2	WASHER-1.016 IDx1.50 OD x .25 THK
19	3400076		2	NUT-JAM HEX SLOTTED 1"-14
20	3307254		2	RIM-FRONT INNER
21	3307252		2	TIRE-PNEUMATIC 650x10
22	3307253		2	TUBE-TIRE INNER, 650x10
23	3307255		2	RIM-FRONT OUTER
24	3300369		2	CAP-HUB, 2.44" DIA
25	3300411		10	NUT-WHEEL LUG, 1/2-20 UNF
26	3307242		10	STUD-WHEEL, 1/2-20x1.75 LG
27	3318288		2	HUB-MANUAL/HYD BRAKE,
28	3307238		2	BEARING-INNER WHEEL
29	3307237		2	RING-RETAINING, INT INNER WHEEL
30	3307642		4	CLEVIS-5/16,
31	3334061		2	ROD-MANUAL BRAKE ADJUST
32	3334059		2	BRAKE-7" MANUAL LH&RH
-	3334064		1	ASSY-AXLE 7" BRAKE RH SUB (INCLUDES 13, 30, 31, & 32)
-	3334065		1	ASSY-AXLE 7" BRAKE LH SUB (INCLUDES 13, 30, 31, & 32)

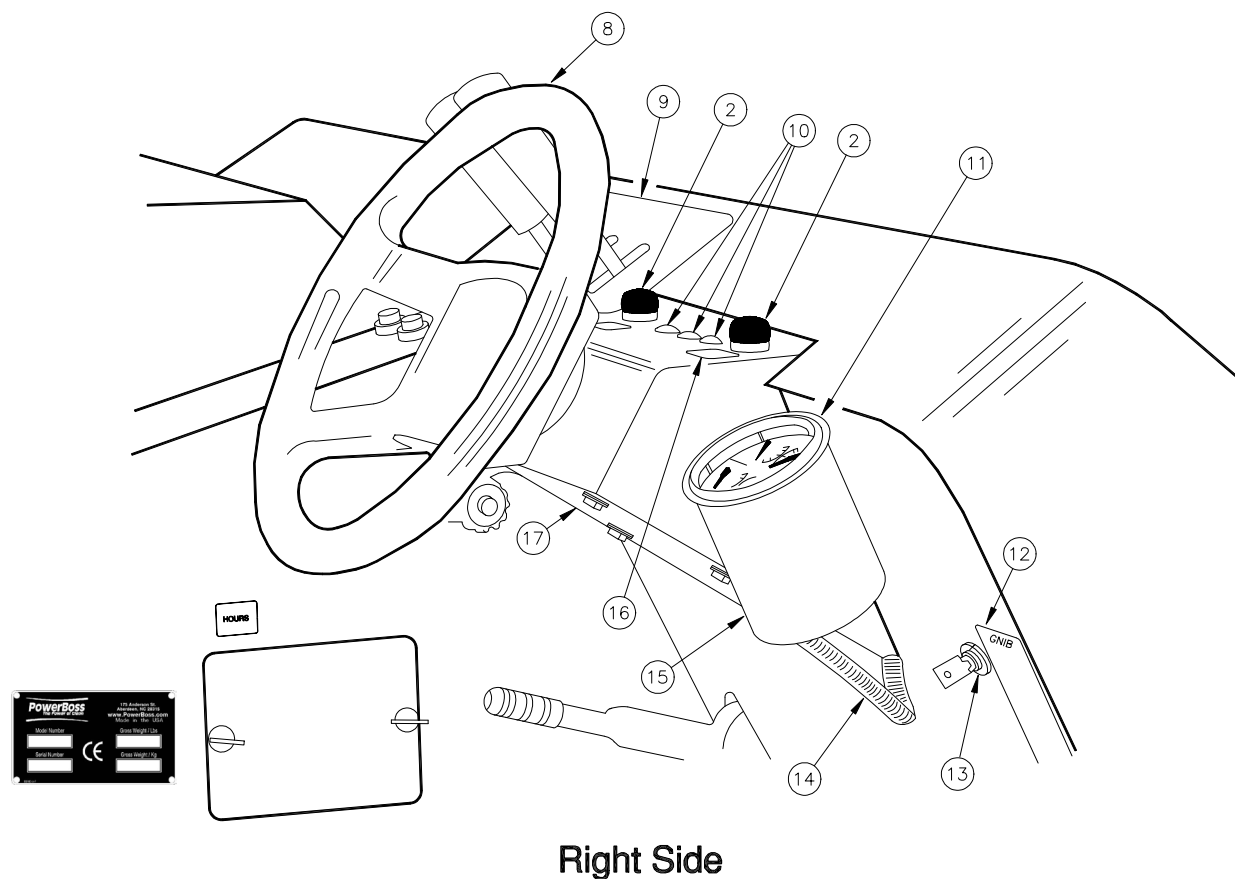
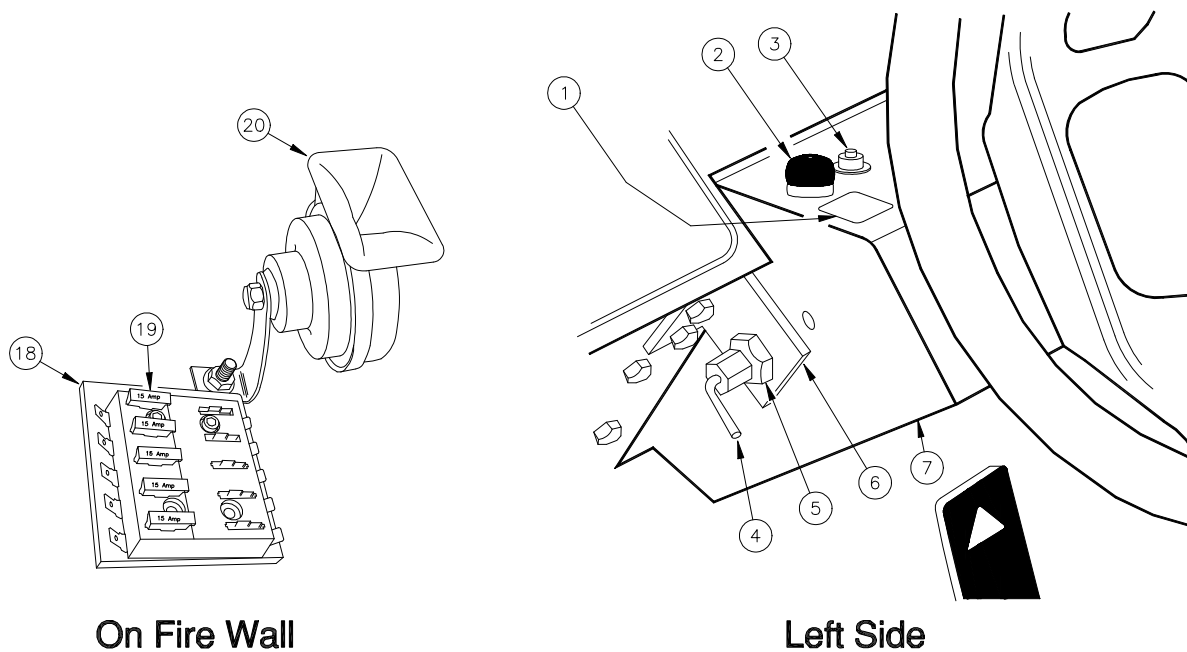
7" MECHANICAL BRAKE ASSEMBLY



7" MECHANICAL BRAKE ASSEMBLY

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3303495		1	DECAL-QUALITY CHECK, VINYL
2	3307642		2	CLEVIS-5/16 PLTD
3	3334058		1	WELD-FRT AXLE LH & RH
4	3334059		1	BRAKE-7" MANUAL LH & RH
5	3334061		1	ROD-MANUAL BRAKE ADJUST
6	3400030		4	SCR-HEX,3/8-16X1.00
7	3400069		1	NUT-HEX 5/16-24
8	3400125		1	PIN-COTTER 3/8 RUE-RING
9	3400184		1	PIN-CLEVIS 5/16 X 1-1/8
10	3401390		2	ND 121200-50 50 ML (BLUE LOCTITE 242) NOT SHOWN
11	3401570-9		4	WASHER-NORD-LOCK, 3/8,
-	3334064		1	ASSY-AXLE 7" BRAKE RH SUB (INCLUDES 1-11)
-	3334065		1	ASSY-AXLE 7" BRAKE LH SUB (INCLUDES 1-11)

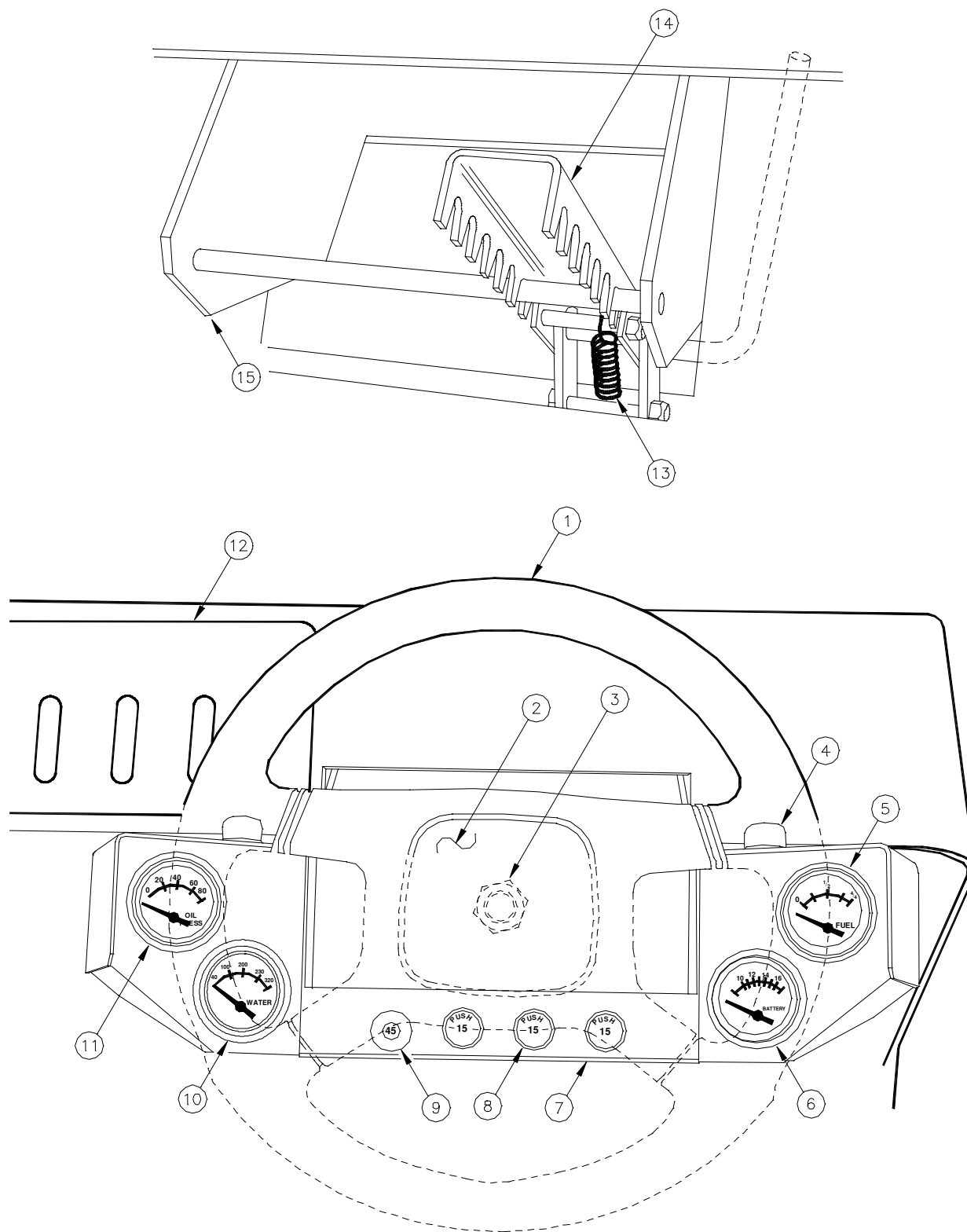
STEERING WHEEL, GAUGES & FUSES



STEERING WHEEL, GAUGES & FUSES

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3302520		1	DECAL-"FILTER SHAKER"
2	3300441		2	SWITCH MOMENTARY
3	3026924		1	CIRCUIT BREAKER-45 AMP
4	3337002		1	PIN-QUICK RELEASE PLUNGER
5	3400192		2	NUT-JAM, 5/8-11 (ONE SHOWN)
6	3332453		1	MOUNT-TILT STEERING PIN, 9XR
7	3333714		1	WELDMENT-TILT STEERING
8	3318220		1	STEERING WHEEL-W/COVER SW/9X
9	3333735		1	DECAL-FRONT PANEL 9XR
10	3335990		3	PLUG
11	3333721		1	GAUGE-4 IN 1, 3.50" DIA
12	3307599		1	DECAL-IGNITION
13	3316100		1	SWITCH-IGNITION 12V (INCLUDES 2 KEYS)
13	3322562		2	KEY IGNITION
14	3333720		1	HARNESS-INSTRUMENT PANEL
15	3333719		1	WELDMENT-GAUGE MOUNT
16	3302525		1	DECAL-"HORN"
17	3333717		1	COVER-TILT STEERING
18	3322599		1	FUSE BLOCK-ATO, 10 POSITION
19	3322601		5	FUSE-15 AMP AUTOMOTIVE PUSH IN
20	3300379		1	HORN-AUTOMOTIVE 12V
-	3301854		1	DECAL-"CAUTION" (NOT SHOWN)
-	3322733		1	DECAL-"WEAR PARTS REFERENCE" (NOT SHOWN)

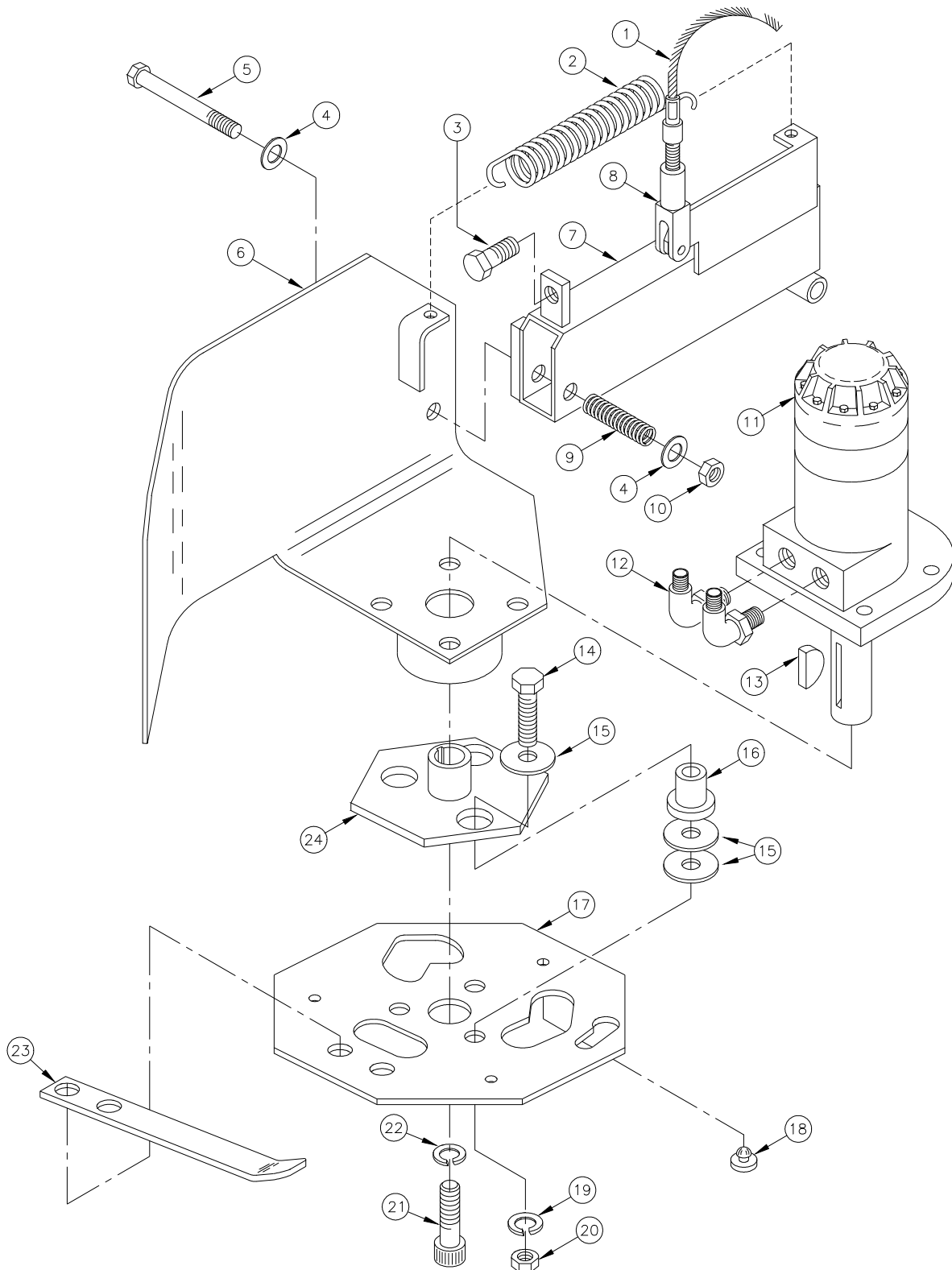
STEERING WHEEL, GAUGES



STEERING WHEEL, GAUGES

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3318220		1	STEERING WHEEL-W/COVER SW/9X
2		3332652	1	COVER-STEERING WHEEL
3		3401075	1	NUT-JAM, M18x1.50 6H
4		3300441	2	SWITCH-MOMENTARY 12V
5		3300382	1	GAUGE-FUEL LEVEL, 2" DIA, 12V
-		3301822	1	PLUG-PLASTIC 2" DIA, (USED IN PLACE OF #5 ON LP UNITS)
6		3309779	1	GAUGE-VOLTMETER, 2" DIA, 12V
7		3307617	1	WELDMENT-INSTRUMENT PANEL 9XV
-		3307630	2	COVER-INSTRUMENT PANEL, , 9XV/ (NOT SHOWN)
8	3304090		3	CIRCUIT BREAKER-15 AMP
-	3304195		3	BOOT-CIRCUIT BREAKER (INSTALLED ON #8)
9	3026924		1	CIRCUIT BREAKER-45 AMP
10		3300384	1	GAUGE-WATER TEMPERATURE, 2", 12V
11		3300383	1	GAUGE-OIL PRESSURE, 2", 12V
12		3307594	1	DECAL-FRONT PANEL 9XV
13		3307815	1	SPRING-EXTENSION, TILT STEERING
14		3307163	1	WELDMENT-LATCHING TILT STEERING
15		3307158	1	WELDMENT-TILT STEERING MOUNT

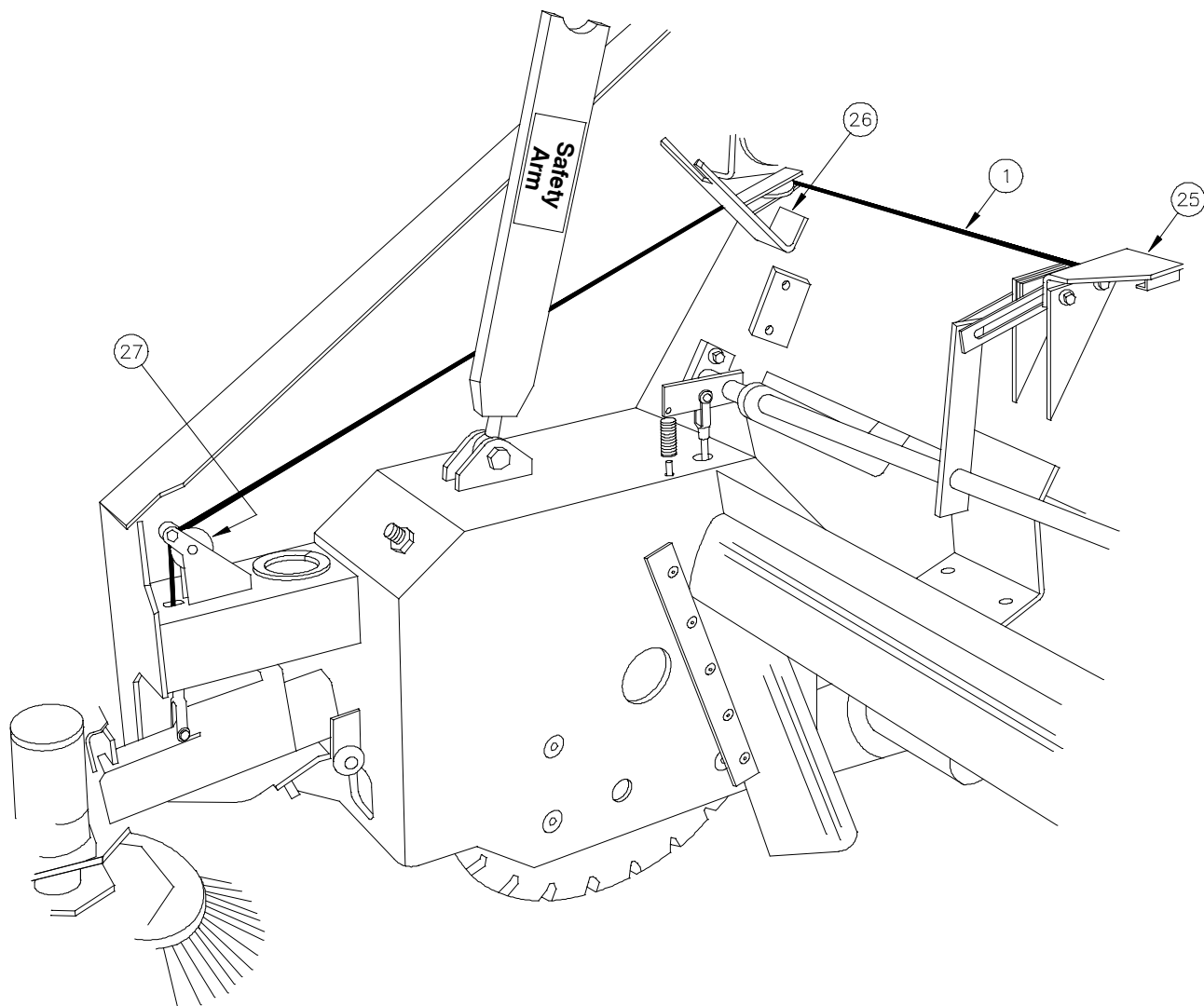
HYDRAULIC MOTOR, DRIVE HUB, & WELDMENTS



HYDRAULIC MOTOR, DRIVE HUB, & WELDMENTS

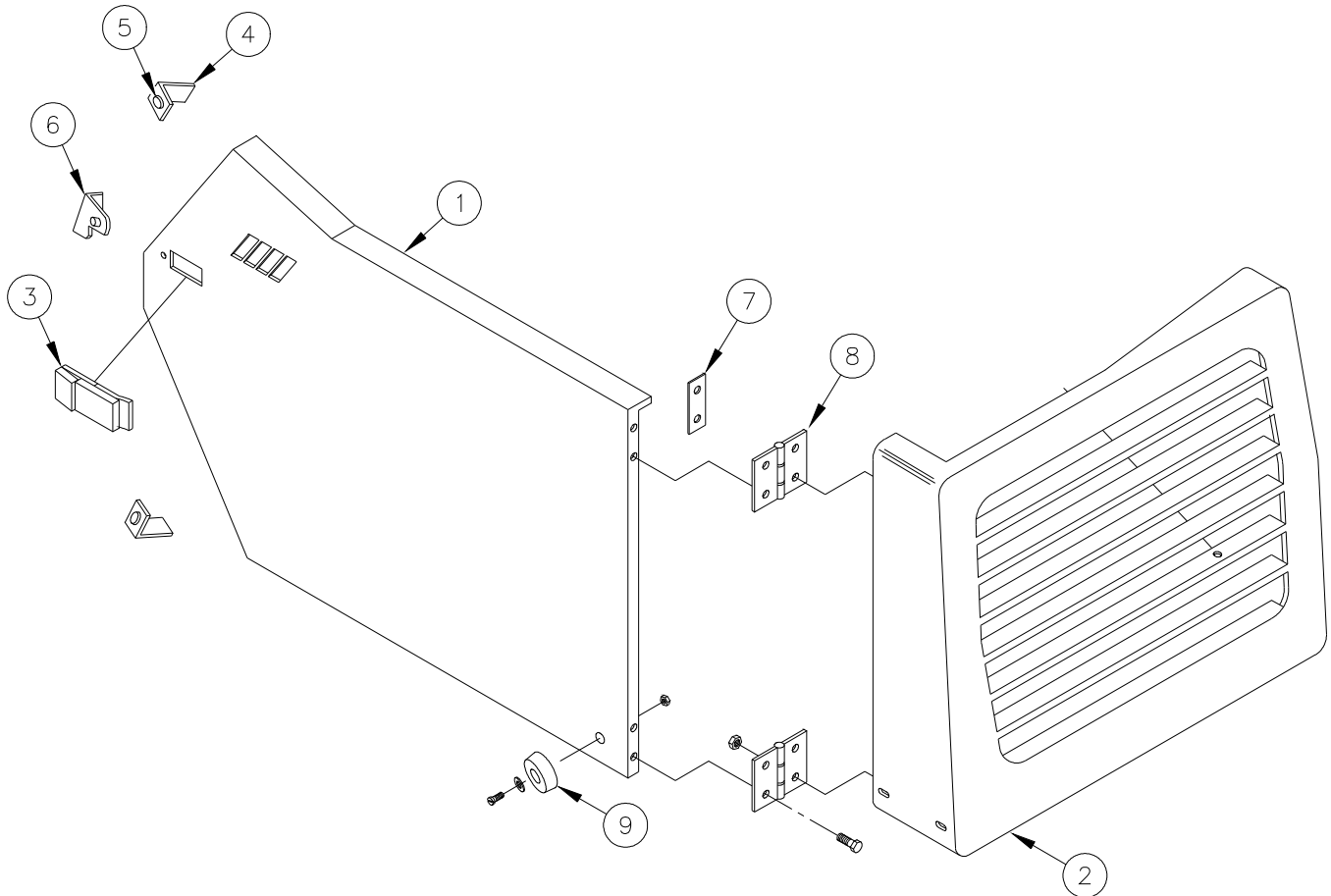
ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3335120		1	CABLE-SIDE BROOM
2	3302599		1	SPRING-EXT LOOPS-IN-LINE
3	3400029		1	SCR-HEX,3/8-16X1.25
4	3400087		4	WASHER-FLAT 3/8 STANDARD
5	3400258		1	SCR-HEX,3/8-24X4.00
6	3307654		1	WELDMENT-RH SIDE BROOM MOUNT
6a	3309782		1	WELDMENT-LH SIDE BROOM MOUNT (FOR OPTIONAL LH ASSEMBLY)
7	3307527		1	WELDMENT-RH CURB BROOM ARM
7a	3309778		1	WELDMENT-LH CURB BROOM ARM (FOR OPTIONAL LH ASSEMBLY)
8	3307642		1	CLEVIS-5/16
9	3306179		2	SPRING-COMPRESSION, CURB BROOM
10	3400342		1	NUT-HEX 3/8-24 ES
11	3316897		1	MOTOR-HYD CURB BROOM
12	3400155		1	FTG-90° 7/8-14 TO #8
13	3330338		1	KEY-SHAFT D-FOSS CB/MB/SC MTRS
14	3400028		3	SCR-HEX,3/8-16x1.50
15	3400278		9	WASHER-FENDER 3/8
16	3300465		3	ISOLATOR-RUBBER (.375IDx.81OD)
17	3301262		1	PLATE-GIMBAL SC HD
18	3300526		3	BUMPER-RUBBER 1/4IDx1/8 THK
19	3400101		3	WASHER-LOCK 3/8 SPLIT
20	3400068		3	NUT-HEX 3/8-16
21	3400049		1	SCR-SOCKET HEAD,1/4-20X0.75 NYLOCK
22	3400103		1	WASHER-LOCK 1/4 SPLIT
23	3302058		1	BAR-CURB BROOM RETAINER
24	3300875		1	WELDMENT-DRIVE HUB SC BR

PULLEY & RETAINERS,



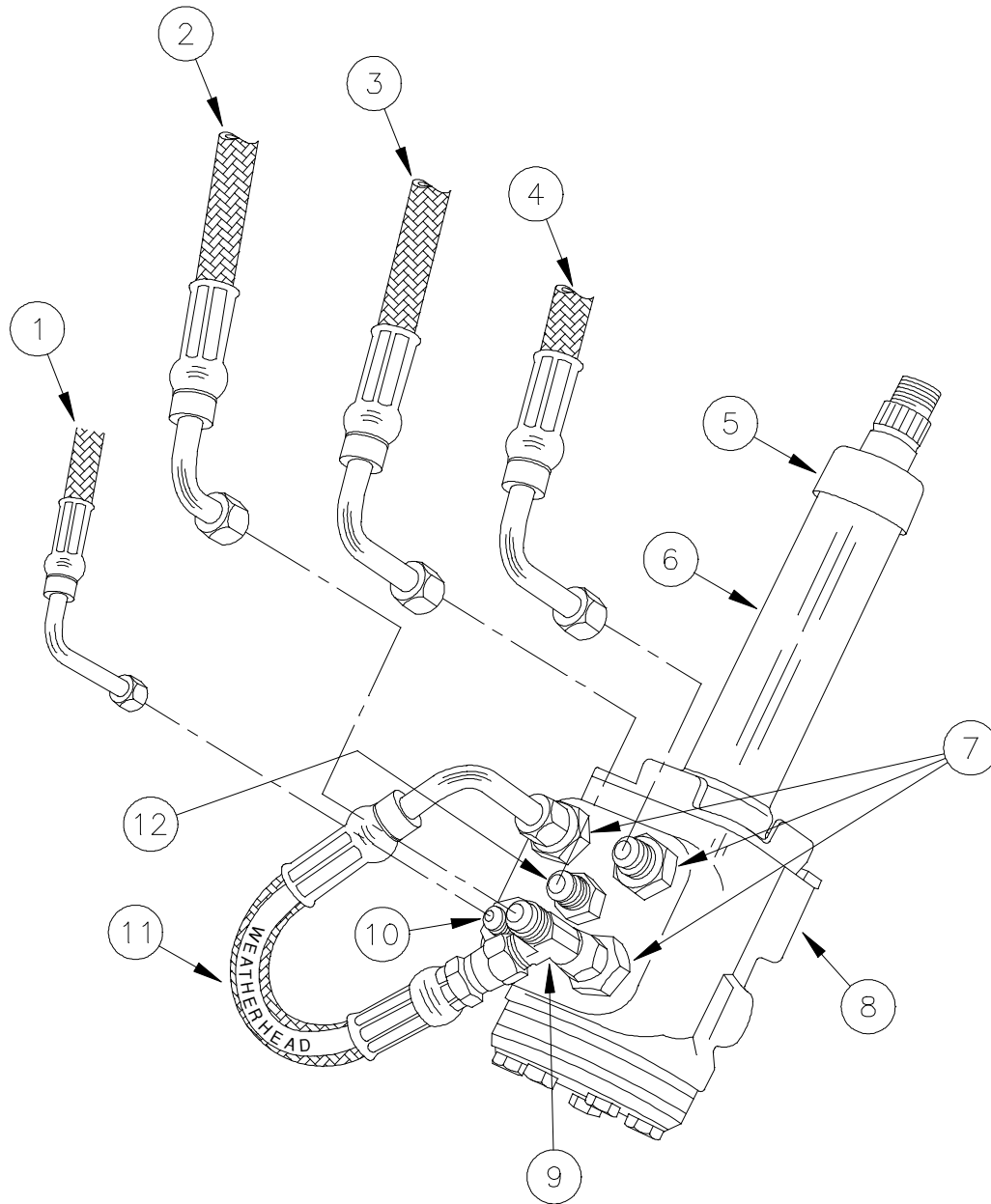
ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3335120		1	CABLE-SIDE BROOM
25	3307861		1	WELDMENT-PULLEY MOUNT #3
26	3307865		1	WELDMENT-SAFETY ARM RETAINER/PULLEY MOUNT
27	3300368		3	PULLEY-PLASTIC $\phi 2"$, $\phi .25"$ GROOVE

SIDE DOOR, LATCH & REAR GRILL



ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3335441		1	WELD-SIDE DOOR,
2	3335437		1	WELD-RADIATOR GUARD,
3	3300380		1	LATCH ASSY-#C2-10-301-50
4	3307515		2	STOP-90° SIDE DOOR, W/BUMPER
5	3300526		2	BUMPER-RUBBER 1/4IDx1/8 THK
6	3307529		1	WELDMENT-DOOR STRIKE
7	3307560		-	SPACER-METAL, 0.060" THK SIDE DOOR (USE AS REQUIRED)
8	3307513		2	HINGE-SIDE DOOR
9	3302482		1	BUMPER-RUBBER, 1.5" DIA, 5/8 THK

HYDRAULIC HOSES, STEERING UNIT, & COLUMN

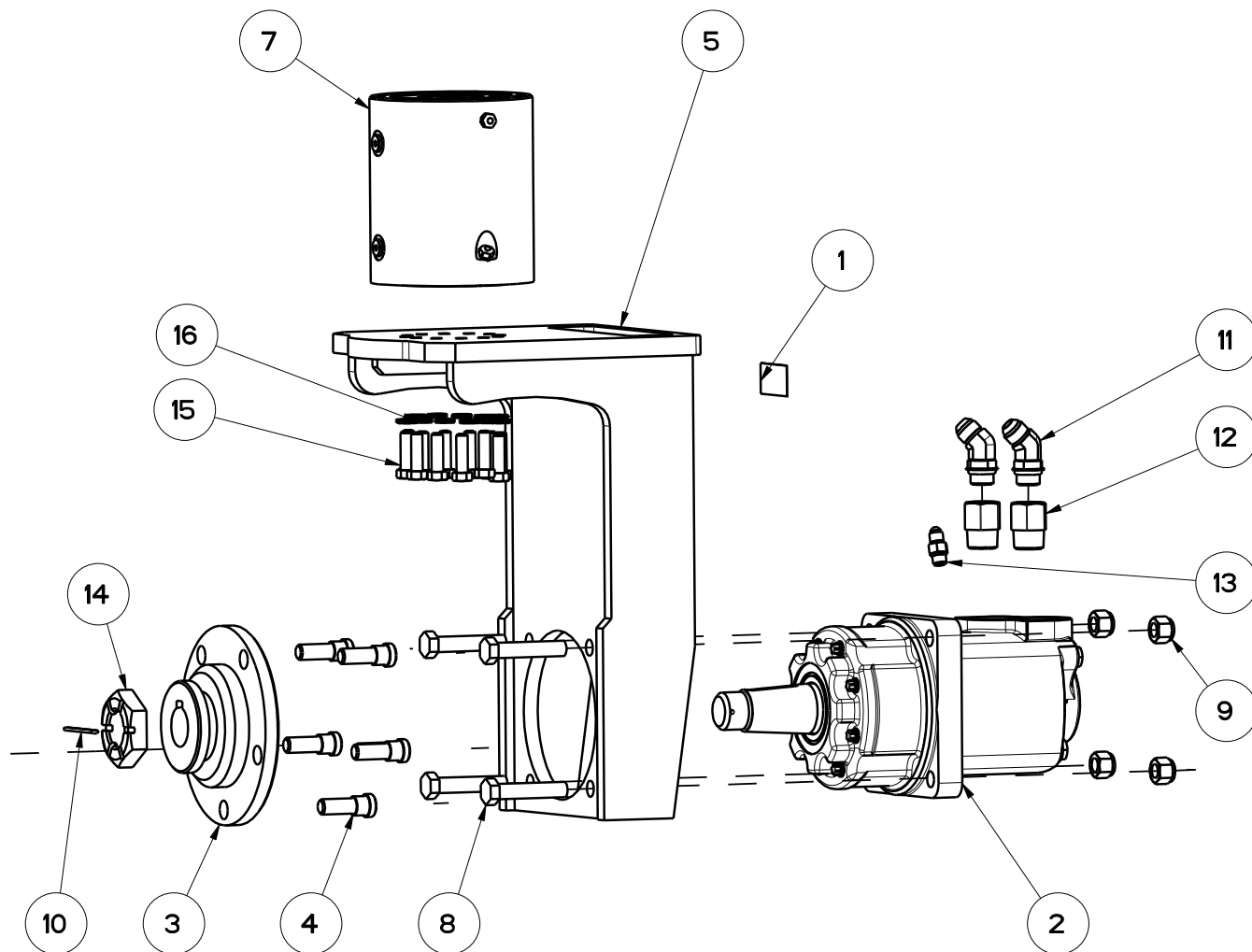


HYDRAULIC HOSES, STEERING UNIT, & COLUMN

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3307687		1	HOSE-1/4 AR 151.00 ST#4 90L#4
2	3316449		1	HOSE-3/8 AR 105.00" LONG ST#6 90° S#6
3	3316440		1	HOSE-3/8 AR 105.00" LONG ST#6 90° #6
4	3316336		1	HOSE-3/8 AR 105.00" LONG ST#6 90° #6
5	3324015		1	BOOT-STEERING COLUMN RUBBER
6	3316900		1	STEERING COLUMN-POWER STEERING
7	3400648		3	FTG-ADAPTER ST THD 3/4-16 TO #6
8	3321433		1	STEERING UNIT-HYD POWER BEYOND
9	3400851		1	FTG-TEE (6R6X-S)
10	3400150		1	FTG-STR 3/4-16 TO #4
11	3334159		1	HOSE-3/8 AR 10.00" LONG ST#6 90L#6
12	3400635		1	FTG-ADAPTOR CONNECTOR 9/16-18

DRIVE MOTOR, HUB & FORK WELDMENT

BEGINNING SN-18254079



DRIVE MOTOR, HUB & FORK WELDMENT

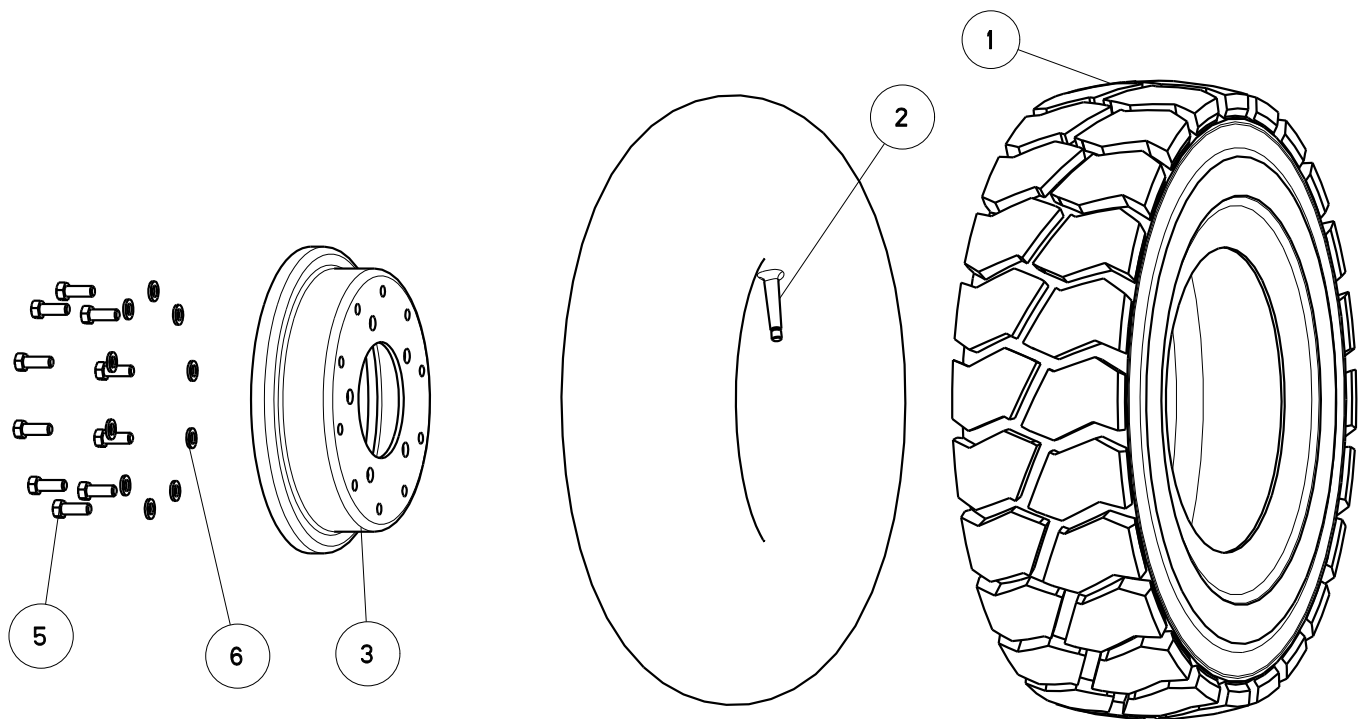
BEGINNING SN-18254079

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3303495		1	DECAL-QUALITY CHECK, VINYL
2	3306809		1	MOTOR-HYD 4000 SER.
3	3307347		1	HUB-REAR
4	3307348		5	STUD-WHEEL, 1/2-20x1.63 (REAR)
5	3321409		1	WELD-REAR STRG FORK, HELAC
6	3334361		1	GREASE-14 OZ AQUA SHIELD 109
7	3335730		1	ACTUATOR - ROTARY, 180°, W/ GREASE FTG (STARTING SN-18254079)
8	3400019		4	SCR-HEX, 1/2-13X2.50
9	3400078		4	NUT-HEX 1/2-13 ES
10	3400122		1	PIN-COTTER 1/8 X 2.00
11	3400158		2	FTG-45° 7/8-14 TO #8
12	3400168		2	FTG-ADAPTER 1 1/6-12 EXT TO
13	3400212		1	FTG-ADAPTER 7/16-20 TO # 4
14	3400224		1	NUT-HEX SLOTTED 1 1/4-18 (SP
15	3401087		12	SCR-HEX 3/8-16X1.25LG GR8
16	3401570-9		12	WASHER-NORD-LOCK, 3/8,
-	3321423		-	ASSEMBLY-REAR STEERING FORK SUB (INCLUDES 1 THRU 16)

NOTE

Item #7 Do Not Pressure Wash.
Grease Every 50Hrs

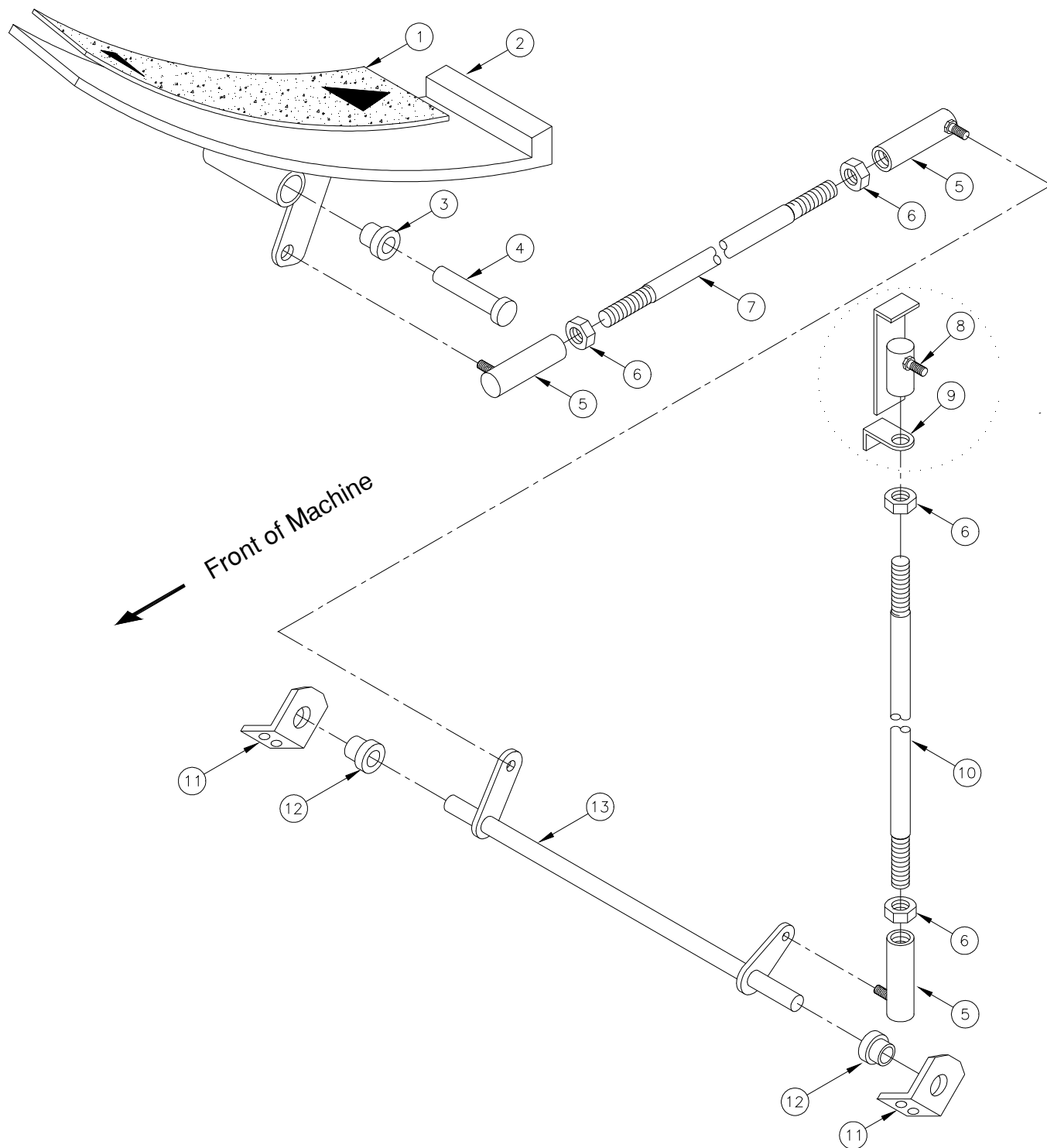
DRIVE WHEEL



DRIVE WHEEL

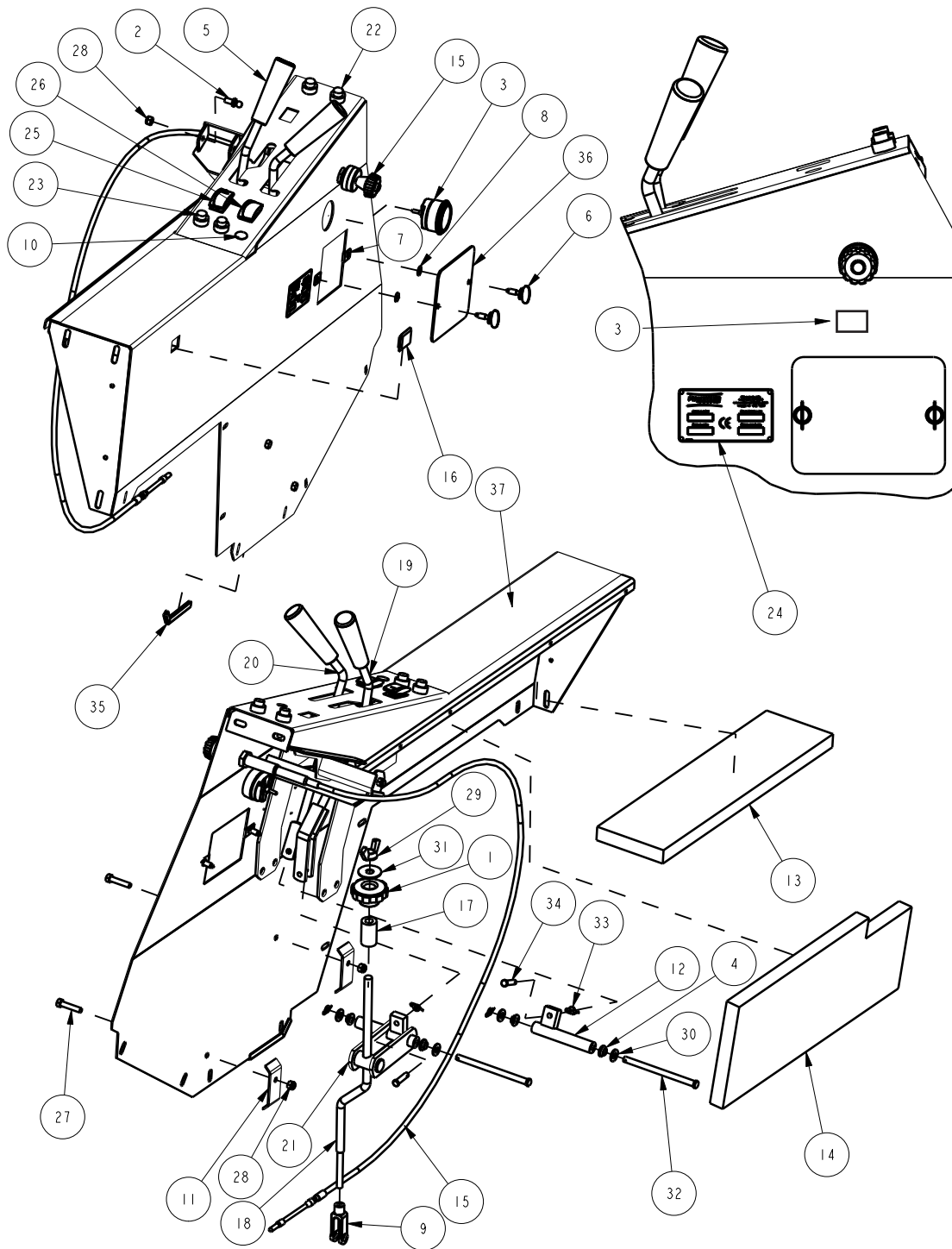
ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3307256		1	TIRE-PNEUMATIC 690 X 9
2	3307257		1	TUBE-TIRE 600 X 9
3	3307258		1	RIM-REAR INNER
4	3335720		1	RIM-DRIVE OUTER, 10 WELDED NUTS
5	3400030		10	SCR-HEX,3/8-16X1.00
6	3100101		10	WASHER-LOCK 3/8 SPLIT
*	3335643		1	WHEEL ASSEMBLY (INCLUDES ITEMS 1-6)

DIRECTIONAL PEDAL, RODS & BUSHINGS



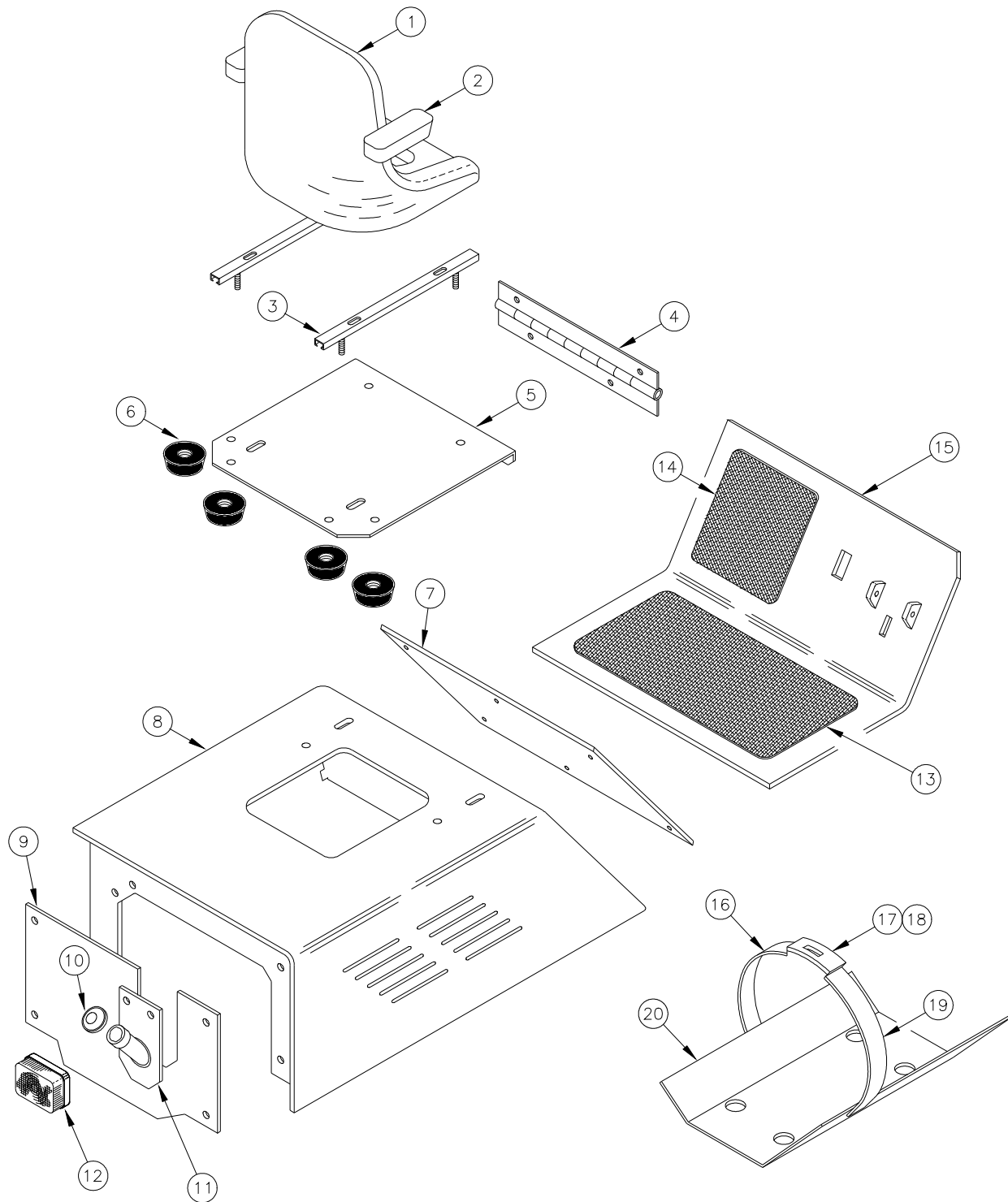
DIRECTIONAL PEDAL, RODS & BUSHINGS

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3300544		1	PAD-FOOT PEDAL
2	3300737		1	FOOTPEDAL
3	3300414		2	BUSHING-PLASTIC FLANGED, .375IDx.50OD
4	3400114		1	PIN-CLEVIS, 3/8x4
5	3300461		2	BALL JOINT-3/8-24
6	3400075		4	NUT-JAM, 3/8-24
7	3307222		1	ROD-DIRECTIONAL CONTROL, DIESEL
7	3307221		1	ROD-DIRECTIONAL CONTROL, GAS/LP (NOT SHOWN)
8	3307611		1	QUICK RELEASE- FWD/REV
9	3307613		1	HANDLE-QUICK RELEASE
10	3307938		1	ROD-DIRECTIONAL CONTROL DIESEL
10	3316228		1	ROD-DIRECTIONAL CONTROL GAS/LP (NOT SHOWN)
11	3307223		2	MOUNT-DIRECTIONAL CONTROL BUSHING
12	3307220		2	BUSHING-PLASTIC FLANGED, .76IDx.88OD
13	3307215		1	DIRECTIONAL TORQUE TUBE



ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3300352		1	KNOB-MB LIFT ADJ
2	3300376		1	STUD-BALL, GAS SPRING, 5/16-18
3	3300385		1	GAUGE-HR METER W/HEX NUT 10-24 (BEFORE UNIT SN-18168059)
3	3336094		1	GAUGE-HOURMETER, DIGITAL, SNAP (AFTER UNIT SN-18168059)
4	3300414		4	BUSHING-PLASTIC 3/8IDx1/2OD
5	3300558		2	KNOB-PLASTIC TAPERED #145 BLACK
6	3301147		2	SCR-5/16 ACME THD, WING HEAD,
7	3301155		2	CLIPNUT-5/16-18
8	3301156		2	RETAINER-CAPTIVE SCREW (FOR THUMB SCR)
9	3301447		1	CLEVIS WITH PIN AND COTTER
10	3301669		1	PLUG-PLASTIC, 11/16 DIA
11	3305398		2	CLAMP-HYD HOSE, PLATED
12	3307614		1	WELD-PIVOT SB LIFT
13	3307846		1	INSULATION-CONSOLE TOP
14	3307847		1	INSULATION-DRIVER COMP SIDE
15	3321179		1	CABLE-THROTTLE (Diesel Only Special) Not used on standard diesel)
16	3323529		1	PLUG-CARLING CONTURA SWITCH
17	3333672		1	SPACER-MB LIFT ROD
18	3334984		1	ROD-MAIN BROOM, LOWER
19	3334987		1	WELD-ROD, MAIN BROOM, UPPER
20	3335001		1	WELD-ROD, SIDE BROOM, UPPER
21	3335112		1	WELD-LIFT ARM, MAIN BROOM,
22	3335320		1	SUB-LIGHTS, RTR INDICATOR (Includes Lights & Harness)
23		3335703	1	SUB-LIGHTS, INDICATOR 9XV DIESEL (Includes x2 Red Lights & (1) Harness)
24	3335321		1	SUB-LIGHTS, INDICATOR, GAS/LP (Includes x2 Red, 1 Amber Light & Harness)
25	3335800		1	ID PLATE-SERIAL # INFO
26	3342273		1	COVER-SWITCH, CARLING, BLACK WITH LENS
27	3342703		1	SWITCH-ROCKER, DPDT CONTURA NO LENS (DIESEL ONLY)
28	3400080		1	SWITCH-ROCKER, CONTURA, DPDT ON-OFF-(ON), NO LENS (LPG/GAS ONLY)
29	3400084		2	SCR-HEX, 5/16-18X1.50
30	3400087		3	NUT-HEX 5/16-18 ES
31	3400091		1	NUT-WING 1/2-13
32	3400113		4	WASHER-FLAT 3/8 STANDARD
33	3400125		4	PIN-COTTER 3/8 RUE-RING
34	3400185		2	PIN-CLEVIS 5/16x1-1/4
35	3500118			EDGING-VINYL TRIM 1/8" X 250' (Sold Per Foot)
36	3307554		1	COVER BROOM ADJ
37	3335003		1	WELD-CONSOLE, DRIVER SIDE,

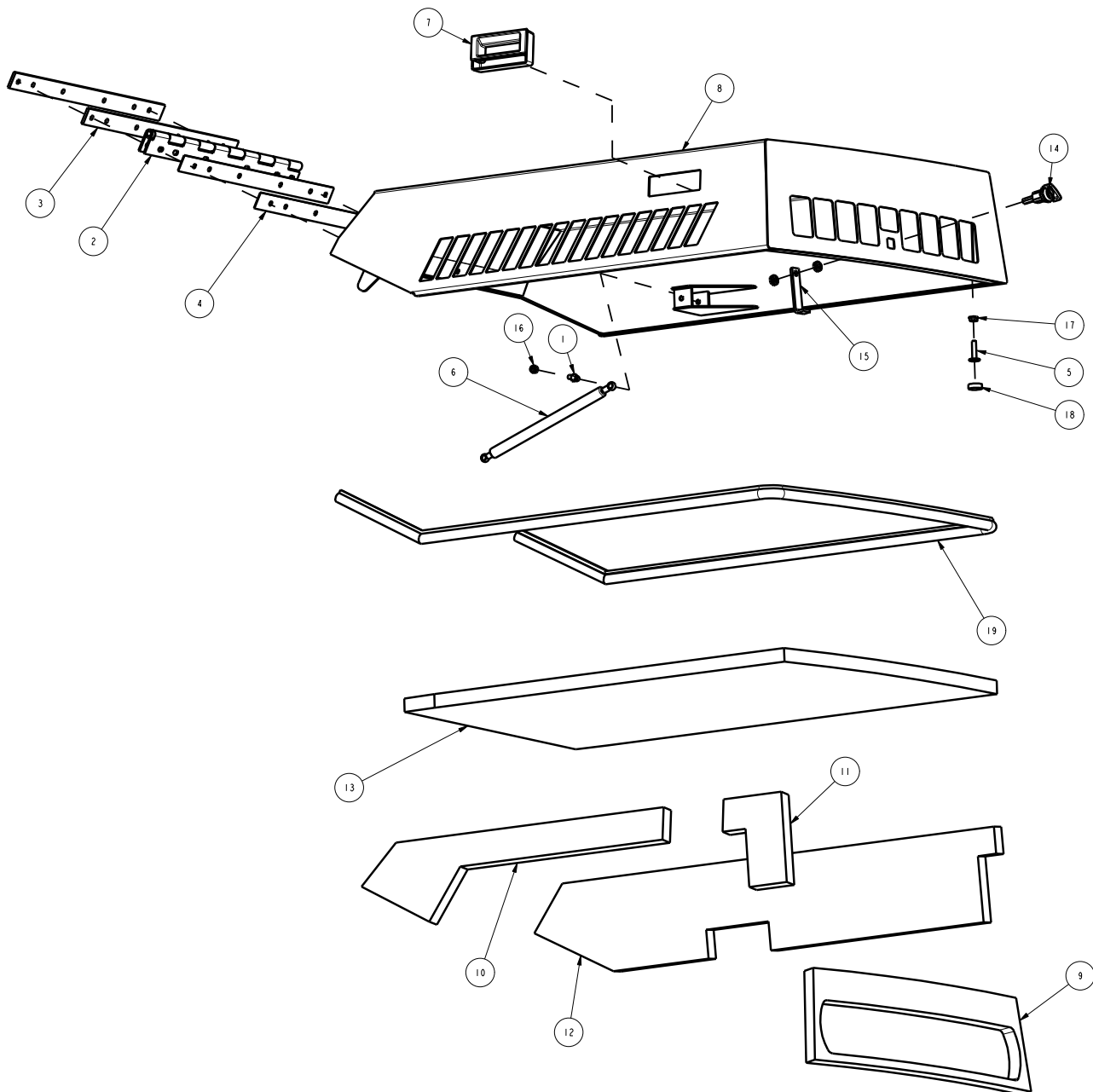
SEAT, FLOOR PAN & TAIL LIGHT



SEAT, FLOOR PAN & TAIL LIGHT

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3312417		1	ASSEMBLY-SEAT V818 ADJ W/ARMREST
2	3315245		1	ARMREST KIT-THREE HOLE
3	3316891		1	KIT-ADJUSTABLE SEAT TRACK
4	3309028		1	HINGE-SEAT MOUNT UNIVERSAL (9XR SHOWN)
4		3307420	1	HINGE-SEAT MOUNT LH (9XV)
4		3307419	1	HINGE-SEAT MOUNT RH(9XV)
5	3333729		1	MOUNT-SEAT (9XR SHOWN)
6	3302482		4	BUMPER-RUBBER, 1.5" DIA, 5/8 THK (QTY OF 2 ON 9XV)
7	3333733		1	WELDMENT-ACCESS PLATE SEAT CLIP
8	3316902		1	WELDMENT-SEAT CLIP
9	3309716		1	PANEL-REAR COVER
10	3343413		1	CAP- FUEL TANK w/TETHER
11	3335386		1	WELD-FUEL FILL
12	3303204		2	LIGHT-COMBINATION TAIL, 12V
13	3307588		1	FLOOR MAT-LARGE
14	3307587		1	FLOOR MAT-SMALL
15	3307302		1	WELDMENT-FLOOR PAN
16	3334346		1	STRAP-LATCH MOUNT LP TANK
17	281075		1	LATCH-
18	3334347		1	MOUNT-LP LATCH KEEPER
19	3334345		1	STRAP-CATCH MOUNT LP TANK
20	3334344		1	WELD-LPG TANK MOUNT,
-	3307912		1	ASSEMBLY-LP TANK MOUNT SUB, (INCLUDES 16, 17, 18, 19 & 20)

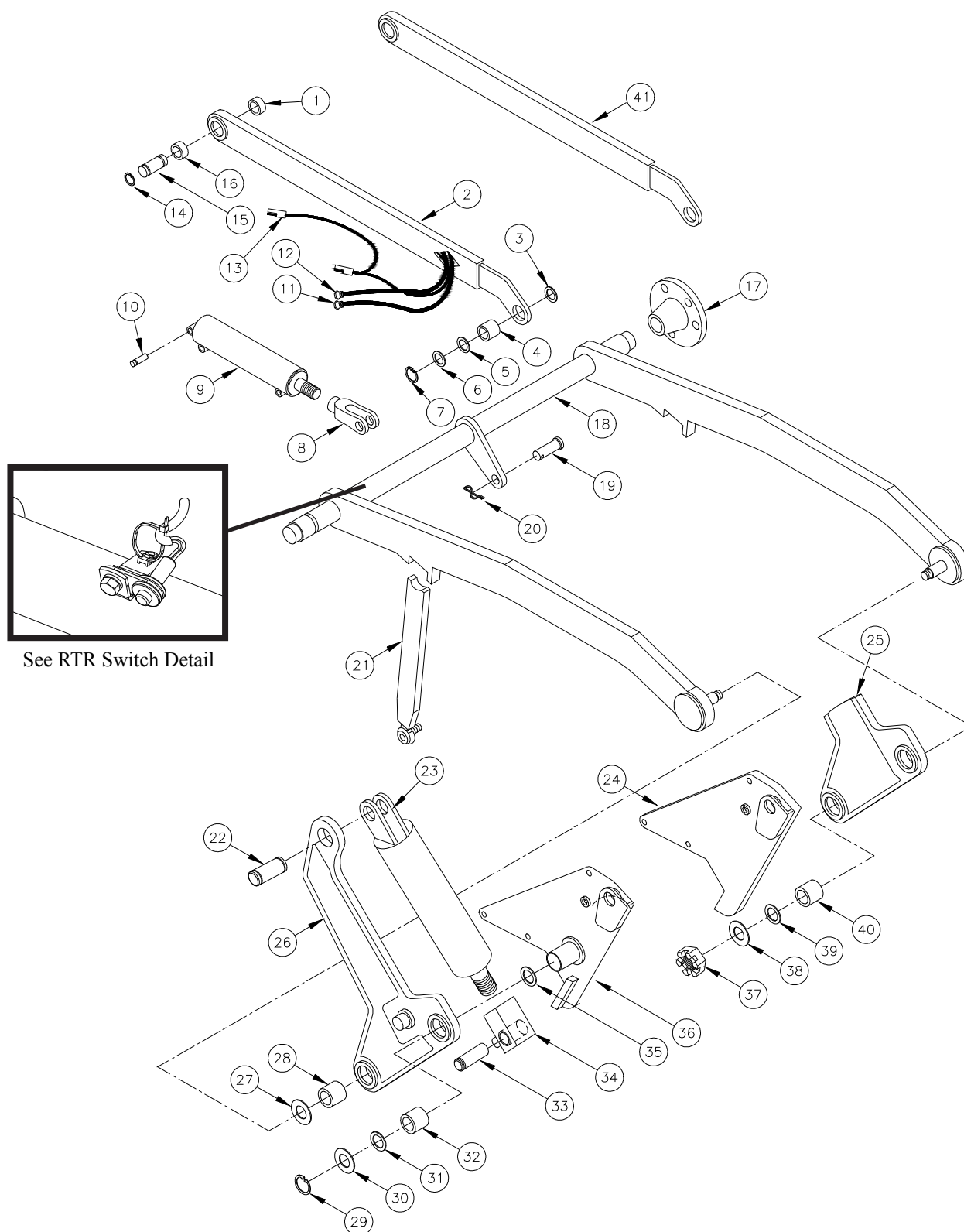
ENGINE COVER SUB ASSEMBLY



ENGINE COVER SUB ASSEMBLY

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3300376		1	STUD-BALL 10MM
2	3307503		1	HINGE ENGINE COVER
3	3307504		2	SPACER ENGINE COVER HINGE FRAME SIDE
4	3307561		2	SPACER ENGINE COVER HINGE COVER SIDE
5	3307639		1	LEVELER-5/16-18x1.5", 1" DIA,
6	3308767		1	GAS SPRING-8" STROKE
7	3335146		1	HANDLE - RECESSED NYLON INSET (.07-.13 WALL)
8	3335430		1	WELD-ENGINE COVER, ARMA
9	3335547		1	INSULATION - ENG COVER BACK
10	3335597		1	INSULATION - ENG COVER LH FRONT PANEL
11	3335598		1	INSULATION - ENG COVER LH BACK PANEL
12	3335766		1	INSULATION - ENG COVER RT 9X
13	3335768		1	INSULATION - ENG COVER TOP 9X
14	3343048		1	LATCH, VISE ACTION, LARGE, KNOB
15	3343066		1	PAWL-LATCH, ENG COVER
16	3400080		1	NUT-HEX 5/16-18 ES
17	3400390		1	NUT-FLANGE LOCK 5/16-18
18	3401076		1	CAP-RUBBER, ADJ SCR
19	3500198		8.5'	SEAL - TRIM (SD-109) 90*

LIFT & ROTATION CYLINDERS, HYDRAULIC HOSES

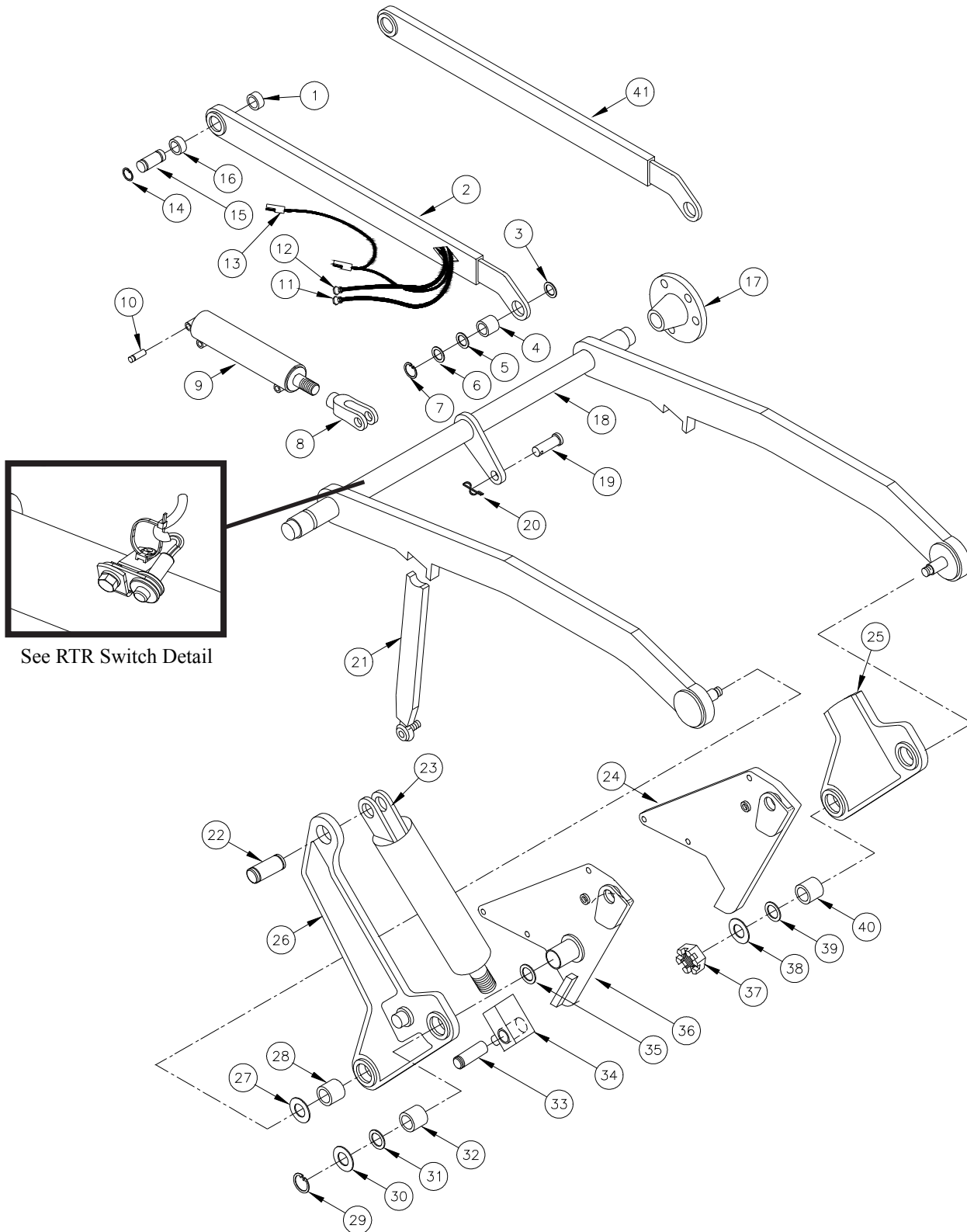


LIFT & ROTATION CYLINDERS, HYDRAULIC HOSES

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3300837		2	BEARING-1.12 ODx1.00 IDx.75
2	3334557		1	ASSEMBLY-RH SECONDARY ARM 9XR & 9XV SUB (Includes bearings & hoses)
2	3334551		1	WELDMENT-RH SECONDARY ARM (Arm Only)
3	3400177		2	BEARING-THRUST 2.06 IDx3.25 OD
4	3300836		2	BEARING-2.18 ODx2.00 IDx.75
5	3400177		2	BEARING-THRUST 2.06 IDx3.25 OD
6	3300882		2	WASHER-HD 3.25 ODx2.00 ID
7	3301709		2	RING-RETAINING, EXT 2.00 DIA
8	3301370		1	CLEVIS-HYD CYLINDER,
9	3307243		1	CYLINDER-HYD HOPPER LIFT
10	3307408		1	PIN-LOWER LIFT CYLINDER,
11	3307675		1	HOSE-HYD, 1/4 AR 98.00 ST#5 90S#4
12	3307674		1	HOSE-HYD, 1/4 AR 108.00 ST#5 90S#4
13	3332772		1	HARNESS-WIRING LIFT
14	3301998		4	RING-RETAINING, EXT .940 DIA
15	3307430		2	PIN-UPPER LIFT ARM, .998 DIA,
16	3300837		2	BEARING-1.12 ODx1.00 IDx.75
17	3307605		2	ASSEMBLY-DUMP ARM MOUNT
18	3307305		1	WELDMENT-HOPPER LIFT ARM
19	3400107		1	PIN-CLEVIS 1.00 DIAx2-5/8 LG,
20	3400120		1	PIN-COTTER 5/32 DIAx2.00 LG,
21	3331359		1	ASSEMBLY-SAFETY ARM W/BALL JOINT
22	3307607		1	PIN-ROTATION CYL, .998 DIA,
23	3316890		1	CYLINDER-HYD, ROTATION SINGLE SW/9XR ONLY
23		3307323	2	CYLINDER-HYD, ROTATION DUEL SW/9XV ONLY

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HYDRAULIC CYLINDERS, HOSES & SAFETY ARM

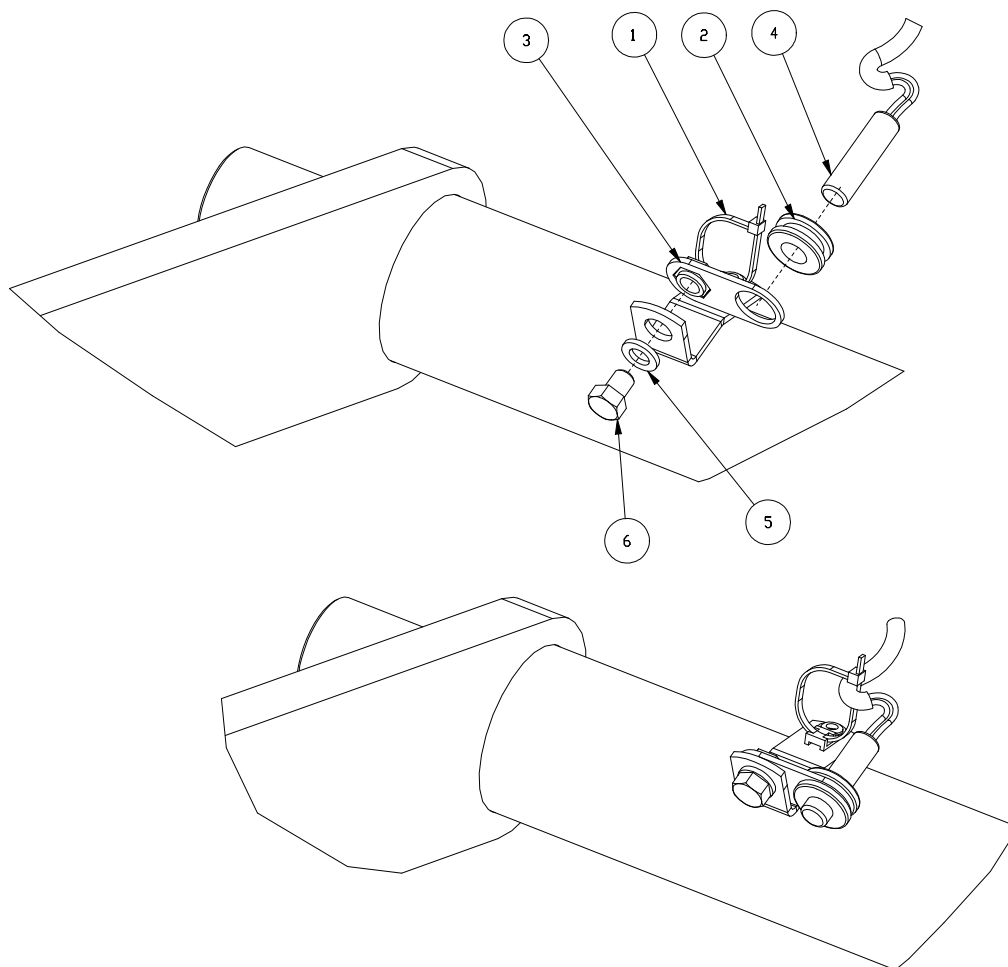


HYDRAULIC CYLINDERS, HOSES & SAFETY ARM

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
24	3317363		1	PIVOT-HOPPER LH
25	3332416	3335363	1	HOPPER ROT. HYD CYLINDER MOUNT SUB (Includes Bearings)
25a	3332415	3335362	1	ARM-HOPPER ROTATION, (9XR Shown)
26	3307074		1	ASSEMBLY-RH HYD CYLINDER MOUNT, SUB (Includes Bearings)
26	3317366		1	ARM-HOPPER ROTATION, ARMA RH (No Bearings)
27	3300882		2	WASHER-HD 3.25 ODx2.00 ID
28	3300840		2	BEARING-2.18 ODx2.00 IDx1.50
29	3301709		2	RING-RETAINING, EXT 2.00 DIA
30	3300882		2	WASHER-HD 3.25 ODx2.00 ID
31	3400177		2	BEARING-THRUST 2.06 IDx3.25 OD
32	3300840		2	BEARING-2.18 ODx2.00 IDx1.50
33	3307606		1	PIN-FRONT ROTATION CYL, .998 DIA,
34	3317119		1	BLOCK ROTATION RH SUB
34		3317124		BLOCK ROTATION LH SUB (9XV Only)
35	3400177		2	BEARING-THRUST 2.06 IDx3.25 OD
36	3317364		1	PIVOT-HOPPER RH
37	3400076		2	NUT-HEX JAM SLOTTED, 1-14
38	3300879		2	WASHER-HD 3.25 ODx1.00 ID
39	3400177		2	BEARING-THRUST 2.06 IDx3.25 OD
40	3300840		2	BEARING-2.18 ODx2.00 IDx1.50
41	3334496		1	LH SECONDARY ARM SW/9XR SUB (Includes Bearings)
41		3334554	1	LH SECONDARY ARM 9XV SUB (Includes Bearings & Hoses)
41	3334454		1	LH SECONDARY ARM ONLY No Bearings
41		3307664	1	HOSE-HYD, 1/4 AR 120.00 ST#5 S (Not Shown)
41		3307665	1	HOSE-HYD, 1/4 AR 104.00 ST#5 S (Not Shown)

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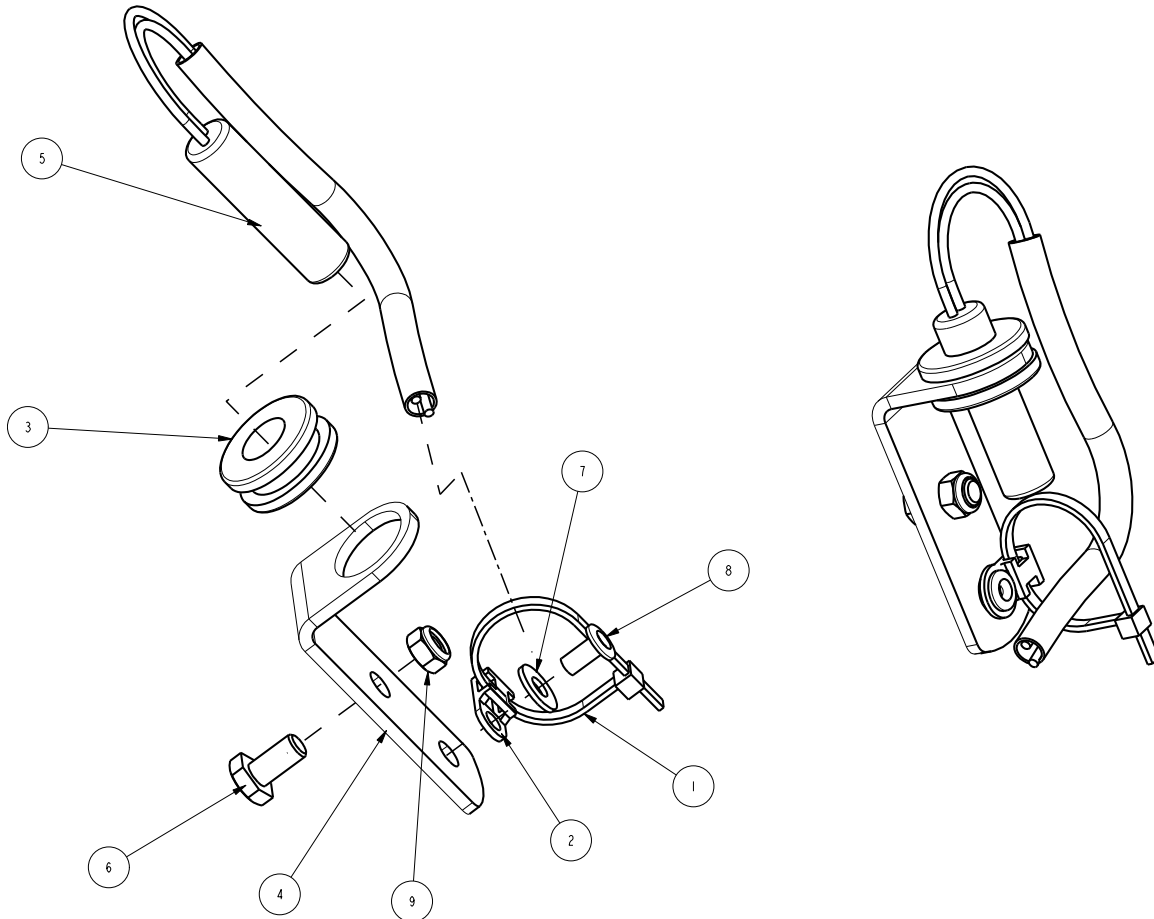
BEGINNING SN-18254079



ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3302493		1	TIE-WIRE BLACK 8.00 IN.
2	3311564		1	GROMMET-RUBBER, 1/2 ID
3	3336957		1	WELD - ROTATE SWITCH EXTENSION
4	3336963		1	HARNESS - LIFT ARM, ARMA TIER
5	3400101		1	WASHER-LOCK 3/8 SPLIT
6	3400226		1	SCREW - HHM 3/8-16 X .50 LG

NOTE - UNITS BEFORE SN-18254079 SHOULD USE FIELD KIT PART NUMBER 3336961

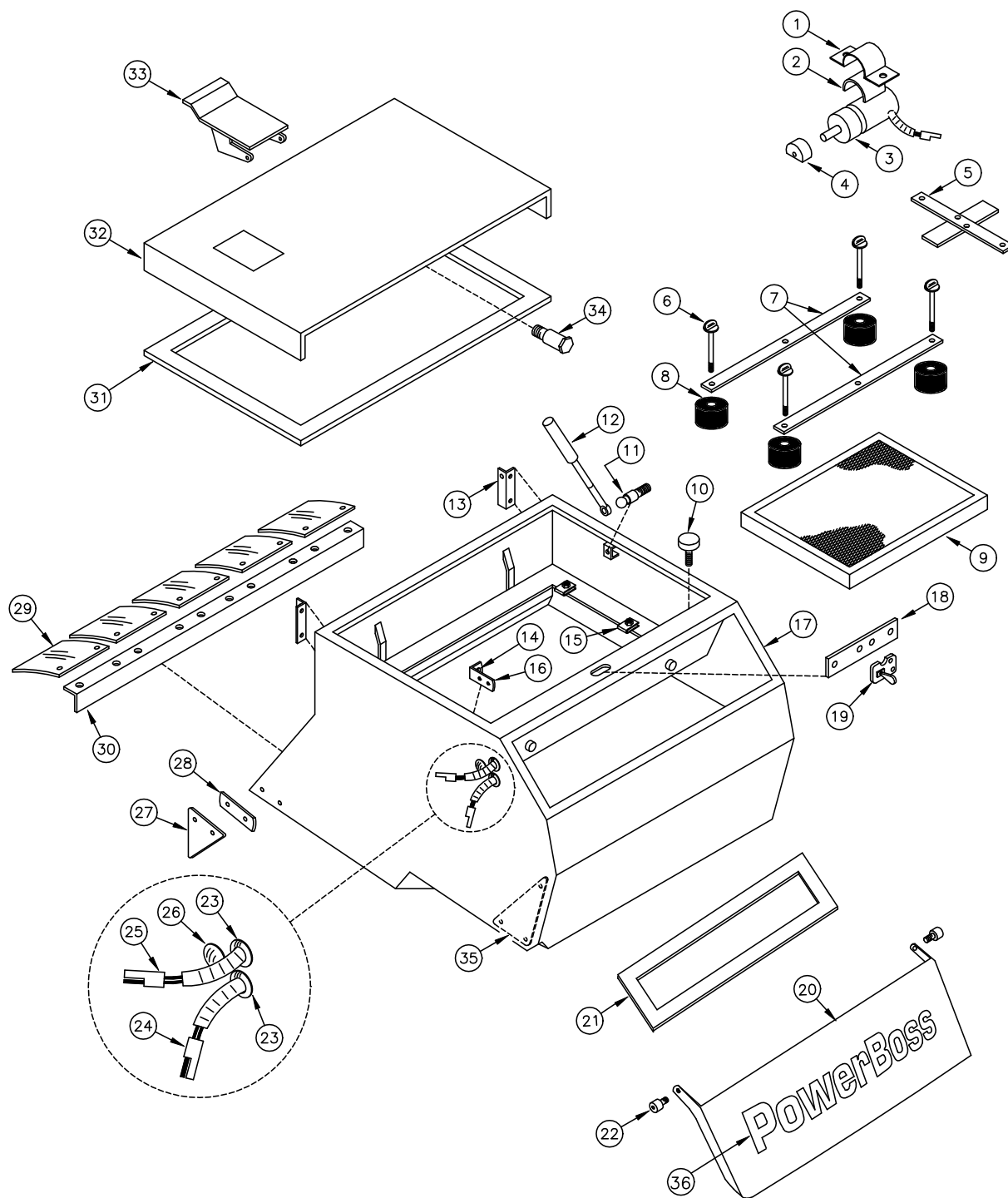
BEGINNING SN-18254079



ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3302493		1	TIE-WIRE BLACK 8.00 IN.
2	3302472		1	MOUNT-WIRE TIE LOW PROFILE
3	3311564		1	GROMMET-RUBBER, 1/2 ID
4	3336778		1	BRACKET - UPPER SWITCH MOUNT
5	3336964		1	HARNESS - HOPPER, ARMA TIER II
6	3400043		1	SCR-HH 1/4-20 X .50 ZINC
7	3400095		1	WASHER-FLAT #10
8	3400484		1	RIVET-AVDEL 3/16 X .602
9	3401569		1	NUT-HEX JAM 1/4-20 ES

NOTE - UNITS BEFORE SN-18254079 SHOULD USE FIELD KIT PART NUMBER 3336962

HOPPER FILTERS, SHAKER MOTORS, FLAPS & SEALS

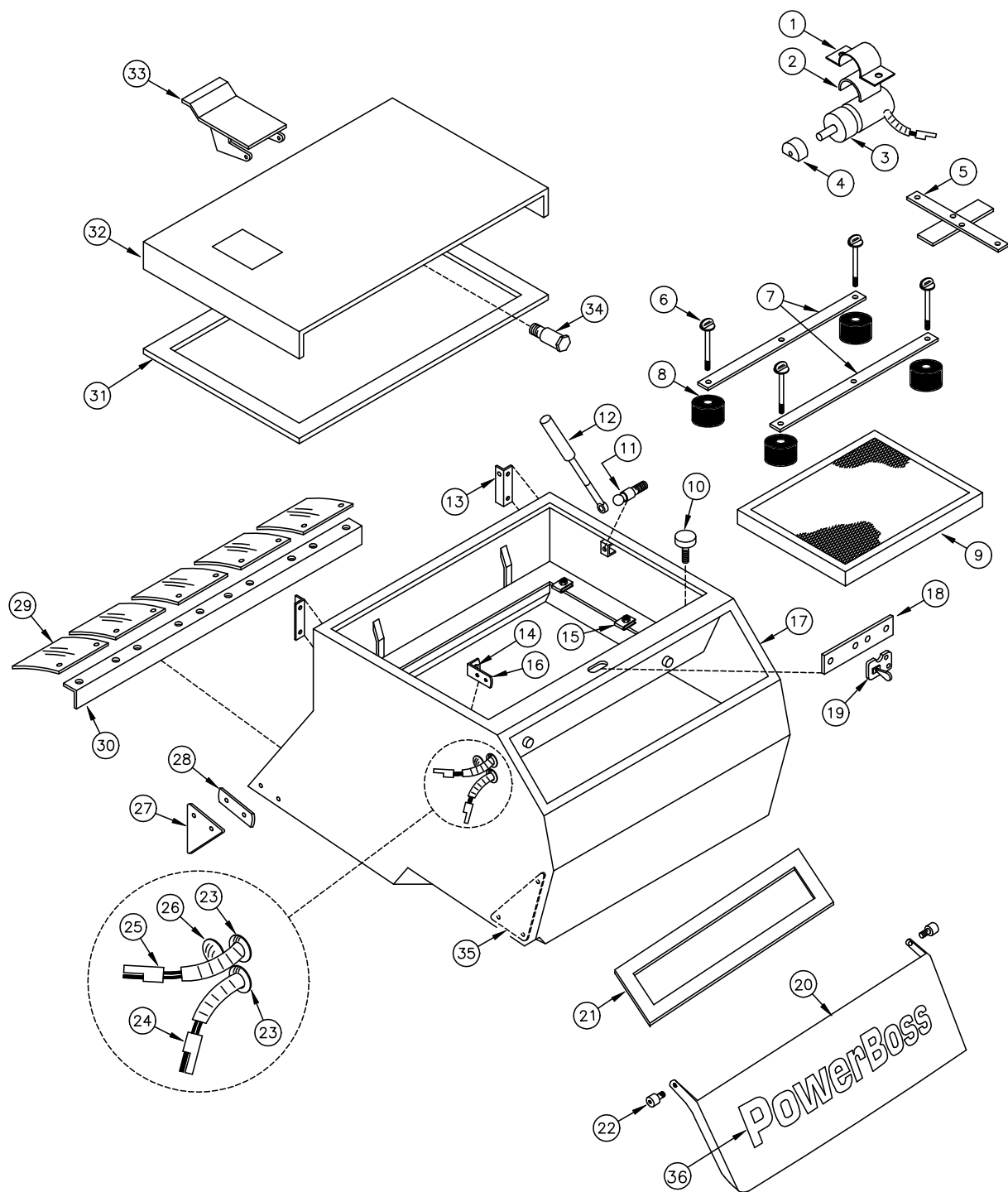


HOPPER FILTERS, SHAKER MOTORS, FLAPS & SEALS

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3300915		1	RETAINER-SHAKER MOTOR
1			2	
2	3300904		1	ISOLATOR-NEOPRENE, SHAKER MOTOR
2			2	
3	3300424		1	MOTOR-SHAKER FILTER, 12V
3			2	
4	3301053		1	WEIGHT-SHAKER MOTOR ECCENTRIC,
4			2	
5	3322519		1	BAR-FILTER RETAINER
5		3300919	2	
6	3400962		4	SCR-THUMB, 5/16-18x4,
6			8	
7	3309724		2	BAR-FILTER SHAKER
7		3300917	4	
8	3307850		4	ISOLATOR-RUBBER, .25IDx1ODx.50THK,
8			8	
9	3334165		1	FILTER-POLYESTER HOPPER 9XR (31x24x3.19)
9		3334070	2	FILTER-POLYESTER HOPPER 9XV (24x18x3.19)
10	3400355		2	SCR-LEVEL BOLT, 3/8-16x2.50
-	3304624		2	CAP-RUBBER BUMPER, (USED WITH #10 ABOVE)
11	3300376		4	STUD-BALL, GAS SPRING, 5/16-18 THRD, .391 DIA.
12	3305006		2	SPRING-GAS 5" STROKE, 14.5" EXTENDED (100 LBF)
13	3307469		2	HINGE-FILTER COVER, ,
14	3311564		1	GROMMET-RUBBER, 1/2 ID
-	3336964		1	SWITCH-BALL & HARNESS 12V, FOR RTR LIGHTS (Not Shown see RTR Detail)
15	3306424		4	CLIPNUT-5/16-18 FULLBODY
15			8	
16	3336778		1	BRACKET- FOR SWITCH BALL (# 2 RTR LIGHT)
17	3333723		1	WELDMENT-HOPPER SW/9X
18	3307468		1	BAR-FILTER LATCH, ,
19	3307247		1	LATCH-RH BROOM DOOR
20	3333726		1	HOPPER LID SW/9X ORANGE
20		3316862	1	
21	3318739		120"	WEATHERSTRIPPING-RUBBER SPONGE
22		3400170	2	SCR-HSS 1/2x.31,

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HOPPER FILTERS, SHAKER MOTORS, FLAPS & SEALS

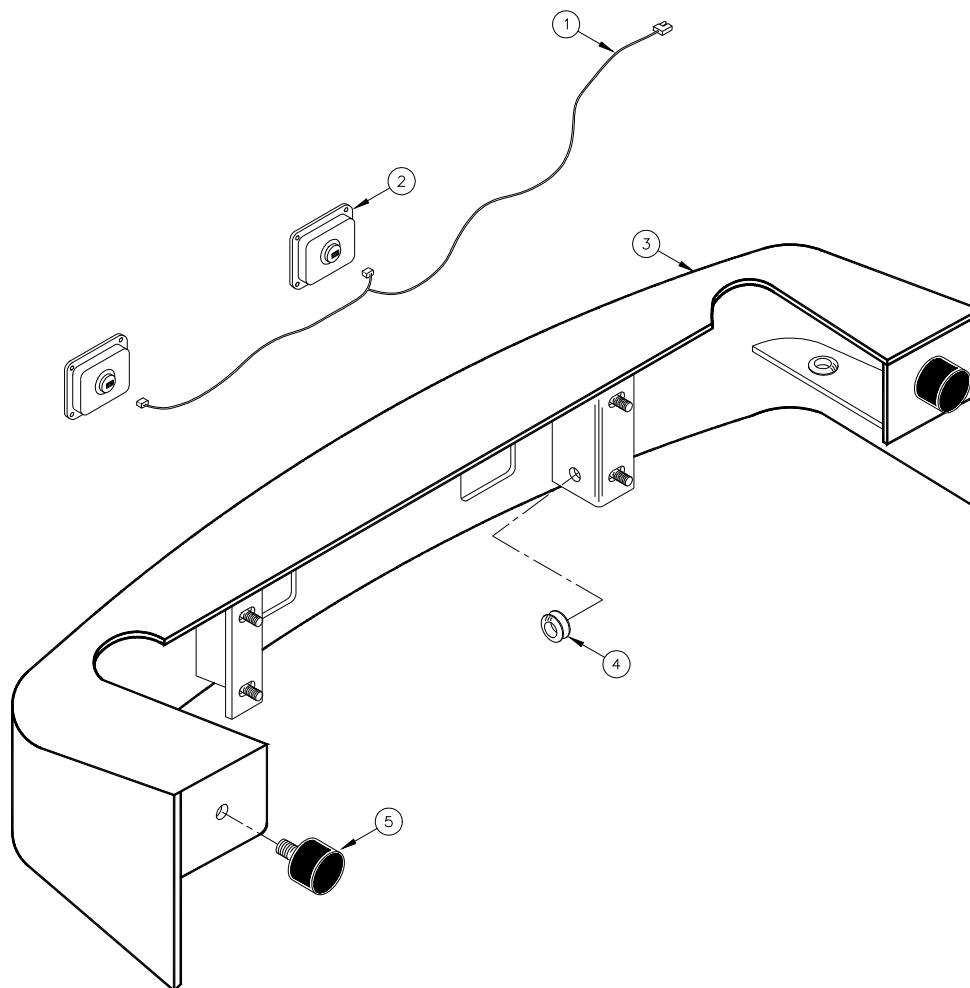


HOPPER FILTERS, SHAKER MOTORS, FLAPS & SEALS

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
23	3311564		2	GROMMET-RUBBER, 1/2 ID
24	3332773		1	HARNESS-RTR SENSOR, HOPPER
25	3302033		1	HARNESS-HD GROUP WIRE
26	3301669		1	PLUG-PLASTIC, 11/16 DIA
27	3307842		2	FLAP-HOPPER SIDE
28	3307843		2	RETAINER-FLAP HOPPER SIDE
29	3307720		5	FLAP-HOPPER FRONT
30	3307721		1	RETAINER-HOPPER FLAP
31	3500198		134"	SEAL-TRIM 90 DEG. MOUNT
32	3333724	3307460	1	HOOD HOPPER ORANGE
33	3302273		1	COVER WET SWEEP ORANGE
33	3302312		1	LATCH-WET SWEEP SPRING
33	3302317		1	GASKET-WET SWEEP
33	3304160		2	SPRING-EXTENTION, 2.00
34	3307248		1	BOLT-STRIKER BROOM DOOR LATCH
35	3307743		2	PLATE HOPPER BACKING
36	3307581		1	DECAL-"POWERBOSS" LOGO

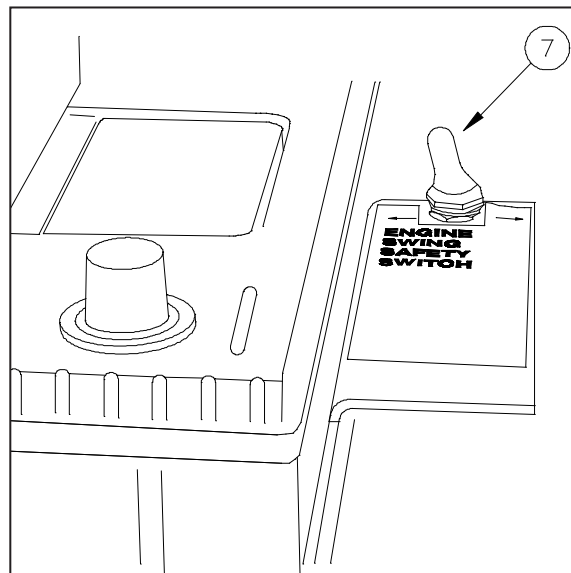
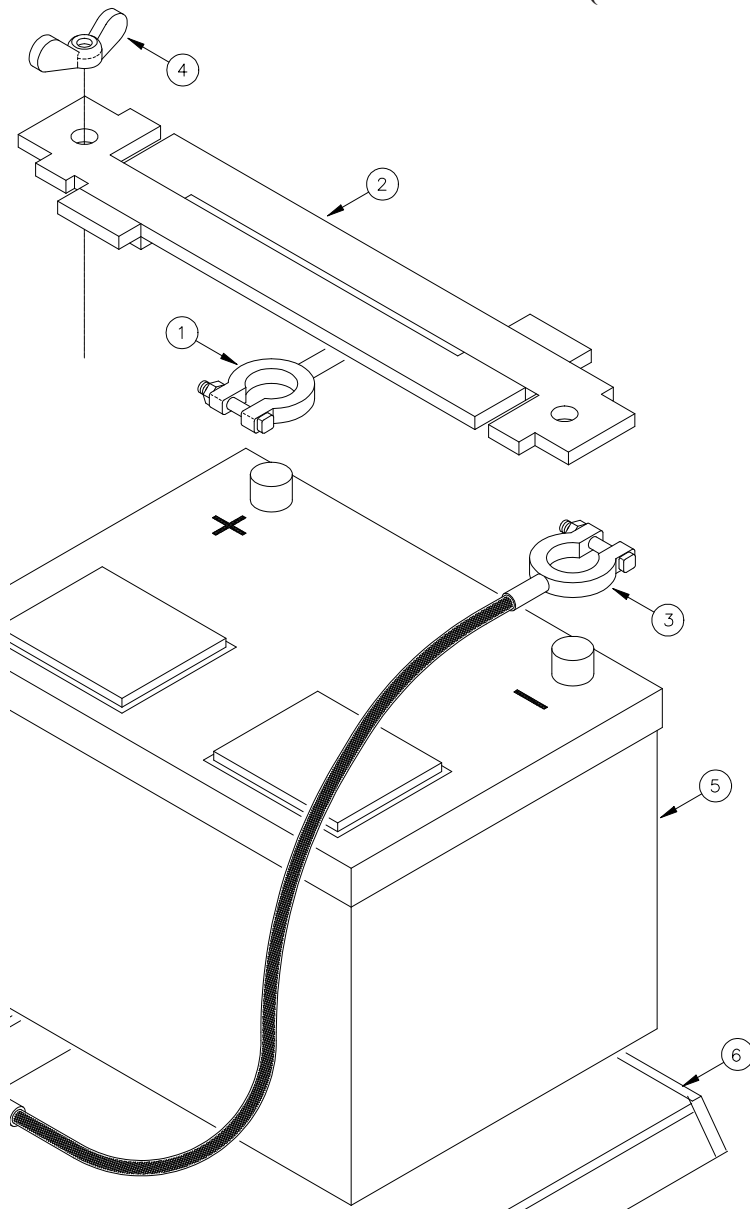
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HEADLIGHTS, HARNESS & BULBS



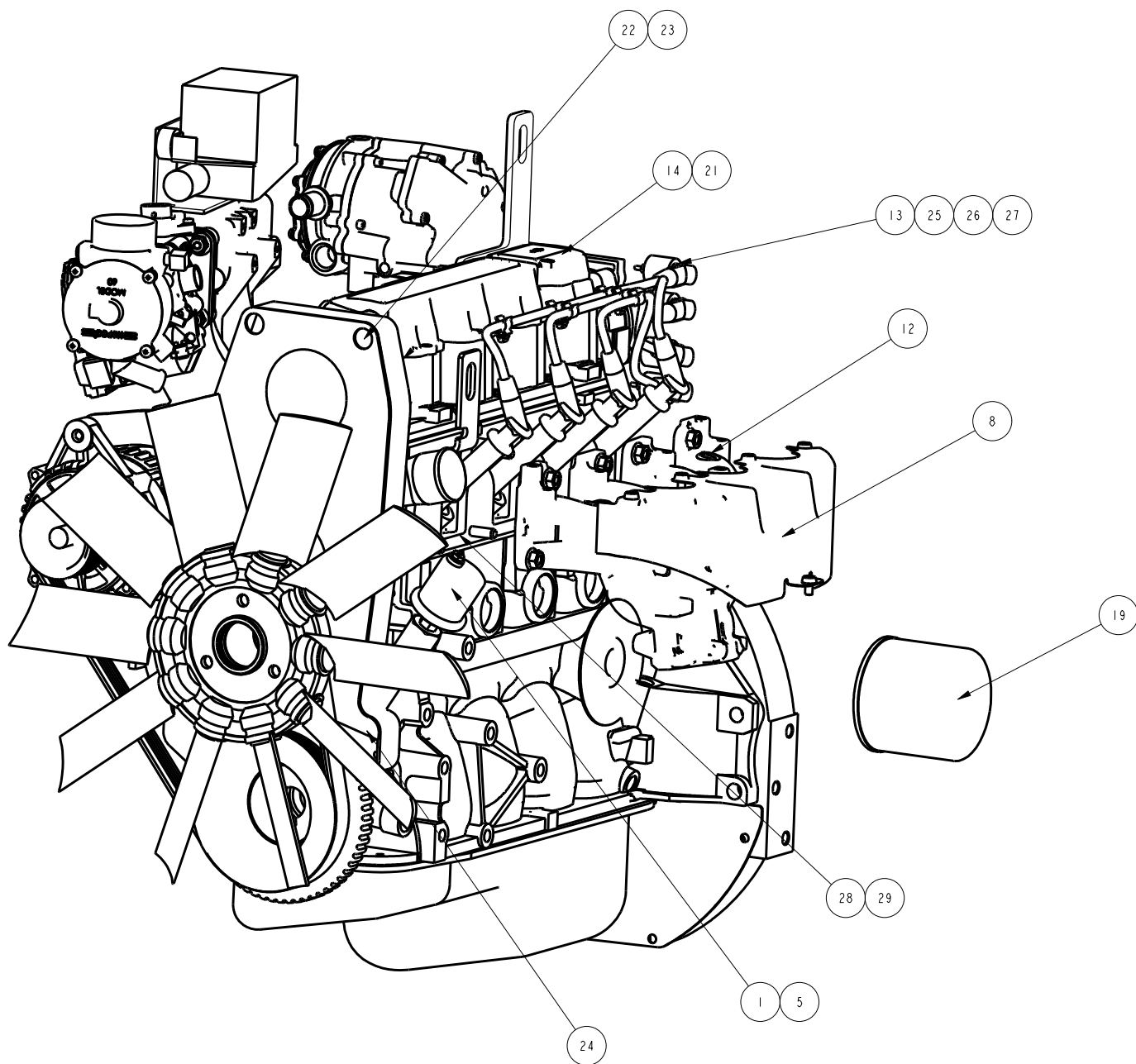
ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3335094		1	HARNESS-FRONT BUMPER HEADLIGHT
2	3315839		2	HEADLIGHT-HALOGEN 12V, FLUSH MOUNT
-	3315869		-	BULB-HALOGEN REPLACEMENT (NOT SHOWN)
3	3316865		1	BUMPER-WELDMENT FRONT
4	3311564		2	GROMMET-1/2" ID RUBBER
5	3316871		2	BUMPER-RUBBER, 1.50" DIA

BATTERY CABLES & SAFETY SWITCH (ENGINE KILL)



ITEM	PART NO.		REQ'D	DESCRIPTION
	DSL	GAS/LP		
1	3307939	3307633	1	CABLE-BATTERY POSITIVE
2	3301076		1	HOLD DOWN-BATTERY 2-PIECE
3	3307634		1	CABLE BATTERY NEGATIVE
4	3400085		2	NUT-WING 1/4-20
5	3300440		1	BATTERY-GAS/LP/DIESEL, 12V, 650 CCA, 125 MIN RESERVE
6	3321296		1	WELD-BATTERY BOX
7	3329812		1	SWITCH-TOGGLE SPDT

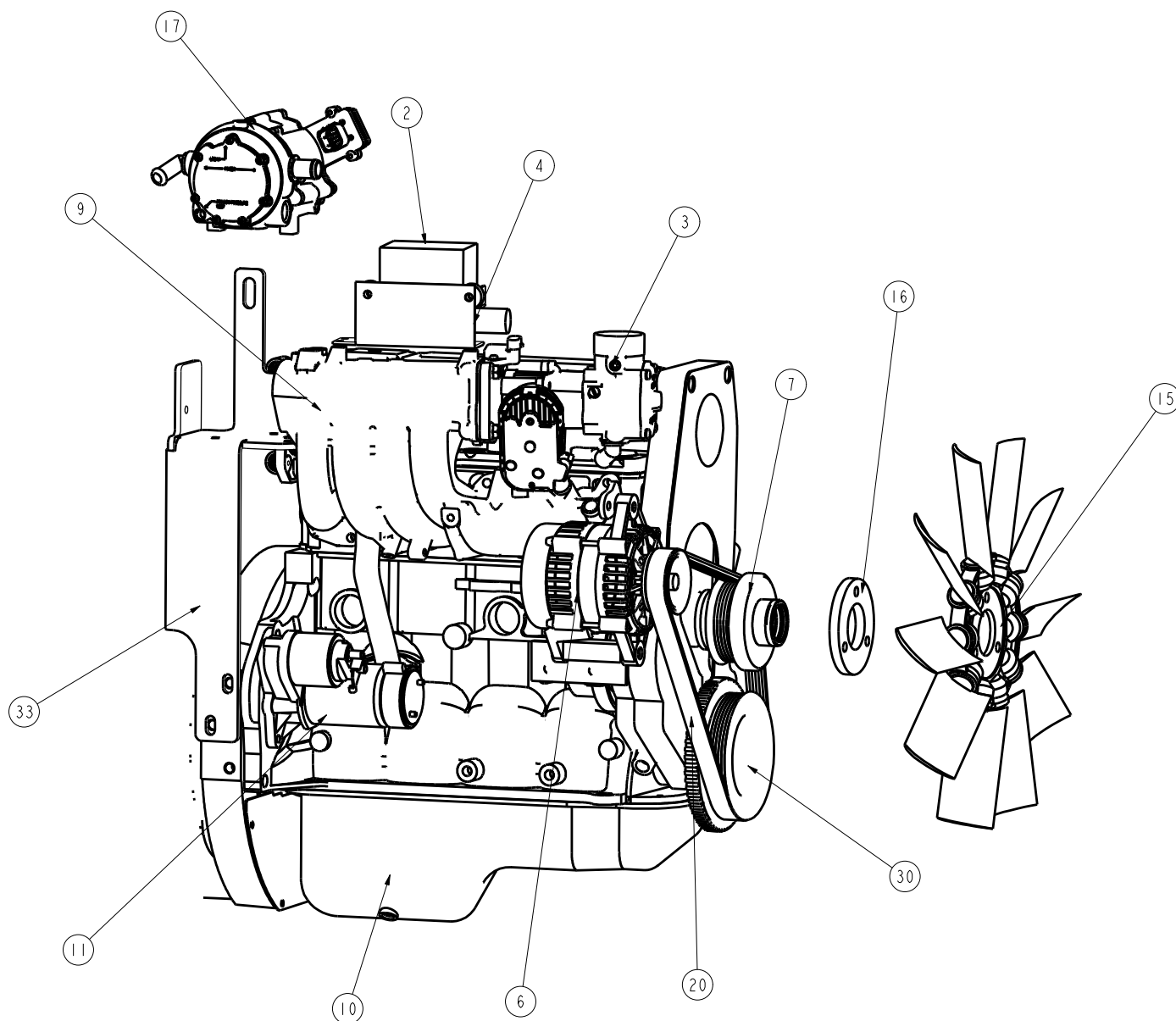
OIL FILTER, PLUG WIRES & WATER PUMP (Lpg Engine Shown)



OIL FILTER, PLUG WIRES & WATER PUMP (Lpg Engine Shown)

ITEM	PART NO.		REQ'D	DESCRIPTION
	LPG	GASOLINE		
1	3342078		1	ADAPTER-1.6L GM OIL SENDER
5	3341069		1	SENDER-OIL PRESSURE 12V
8	3343864		1	SHIELD EXHAUST MANIFOLD
12	3343657		1	MANIFOLD-GM 1.6L EXHAUST
13	3342410		1	WIRE-SPLG #1CYL GM 1.6L
14	3342354		1	COVER-CM/SHF HSG GM 1.6L
19	3342201		1	FILTER-OIL (AC-DELCO)
21	3342356		1	GASKET-CAM/SHAFT HSG COVER GM 1.6L
22	3343656		1	FRONT COVER FOR TIMING BELT GM 1.6L
23	3342385		1	BELT-TMG (111 TEETH) GM 1.6L (Behind Cover Not Shown On Drawing)
24	3343668		1	WATER PUMP GM 1.6 Kit (Behind Cover Not Shown On Drawing)
25	3342411		1	WIRE-SPLG #2CYL GM 1.6L
26	3342412		1	WIRE-SPLG #3CYL GM 1.6L
27	3342413		1	WIRE-SPLG #4CYL GM 1.6L
28	3343660		1	CYLINDER HEAD-GM 1.6L
29	3342365		1	GASKET KIT FOR GM 1.6L CYLINDER HEAD

ENGINE FAN, ALTERNATOR BELT & STARTER (Lpg Engine Shown)

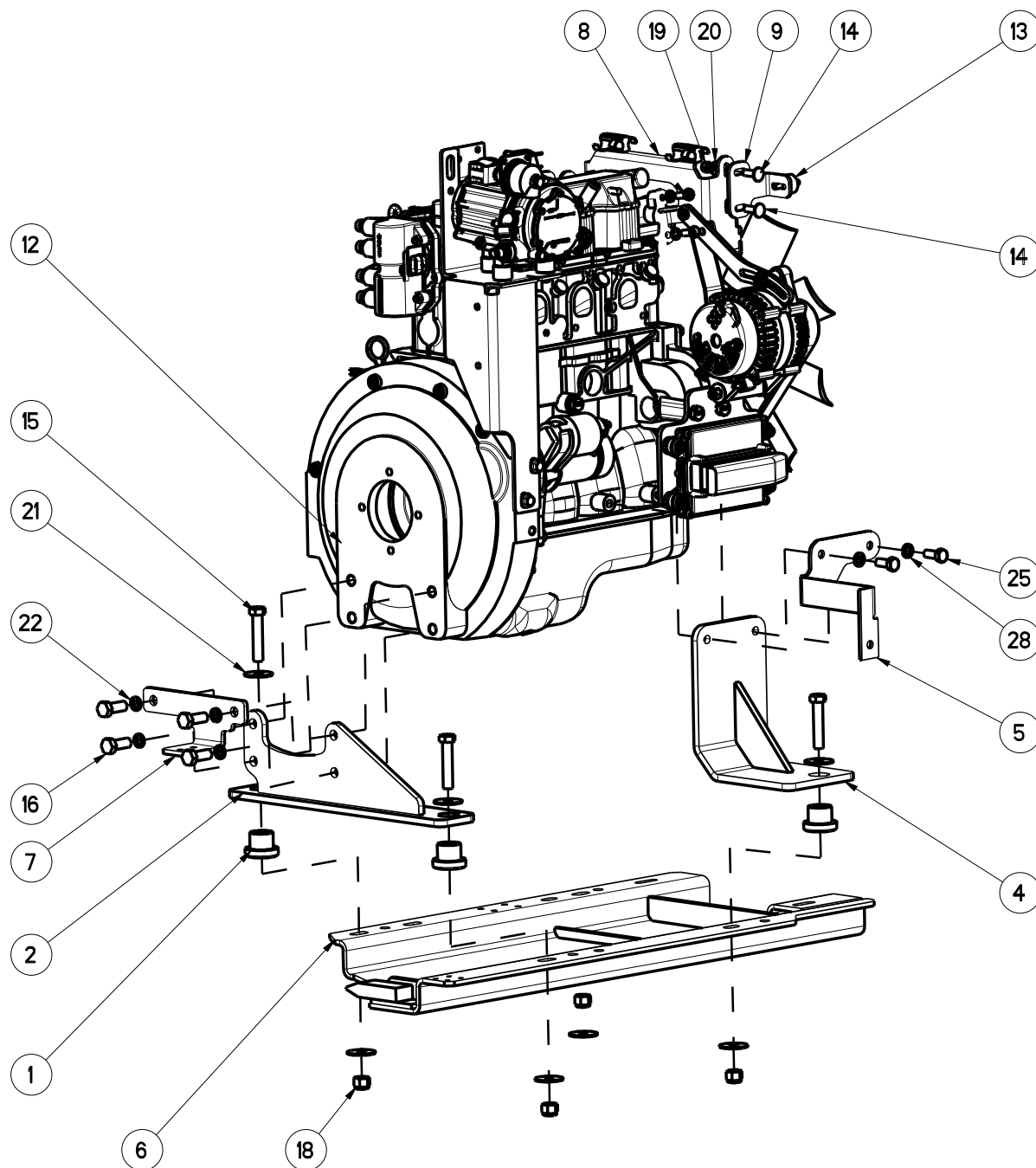


ENGINE FAN, ALTERNATOR BELT & STARTER (Lpg Engine Shown)

ITEM	PART NO.		REQ'D	DESCRIPTION
	LPG	GASOLINE		
2	3343866		1	BOX-FUSE, 1.6 TIER 2
3	3343627		1	THROTTLE BODY-GM 1.6L BOSCH 40 (See Fuel System)
4	3343865		1	BRACKET-FUSE BOX, 1.6 TIER 2
6	3343633		1	ALTERNATOR-GM 1.6L 7SI (DF SUR-BELT)
7	3343611		1	PULLEY FOR FAN-GM 1.6L
9	3343645		1	KIT-GM 1.6L INTAKE MANIFOLD
10	3343662		1	PAN-GM 1.6L OIL
11	3342333		1	STARTER-(2.041) GM 1.6L Before Engine SN1P6L13151 and Earlier
11	3336742		1	STARTER After Engine SN1P6L13151 and Later
15	3342304		1	FAN-PUSHER 16" GM 1.6L
16	3343623		1	SPACER-GM 1.6L FAN PUSHER .85"
17	3339848		1	REGULATOR/EPR (See Fuel System)
20	3343634		1	BELT-GM 1.6L FAN POLY-6V 39"
22	3343656		1	GM 1.6L TIMING BELT FRONT
30	3342317		1	PULLEY-CR/SHF GM 1.6L
33	3339844		1	BRACKET, EPR
-		3343535	1	ECU- GM1.6L GASOLINE TIER 2 (NOT SHOWN)
-	3343519		1	ECU-GM1.6L, LP TIER 2 (NOT SHOWN)

ENGINE PAN, MOTOR MOUNTS & BRACKETS (Lpg Engine Shown)

BEGINNING SN-18254079



ENGINE PAN, MOTOR MOUNTS & BRACKETS (Lpg Engine Shown)

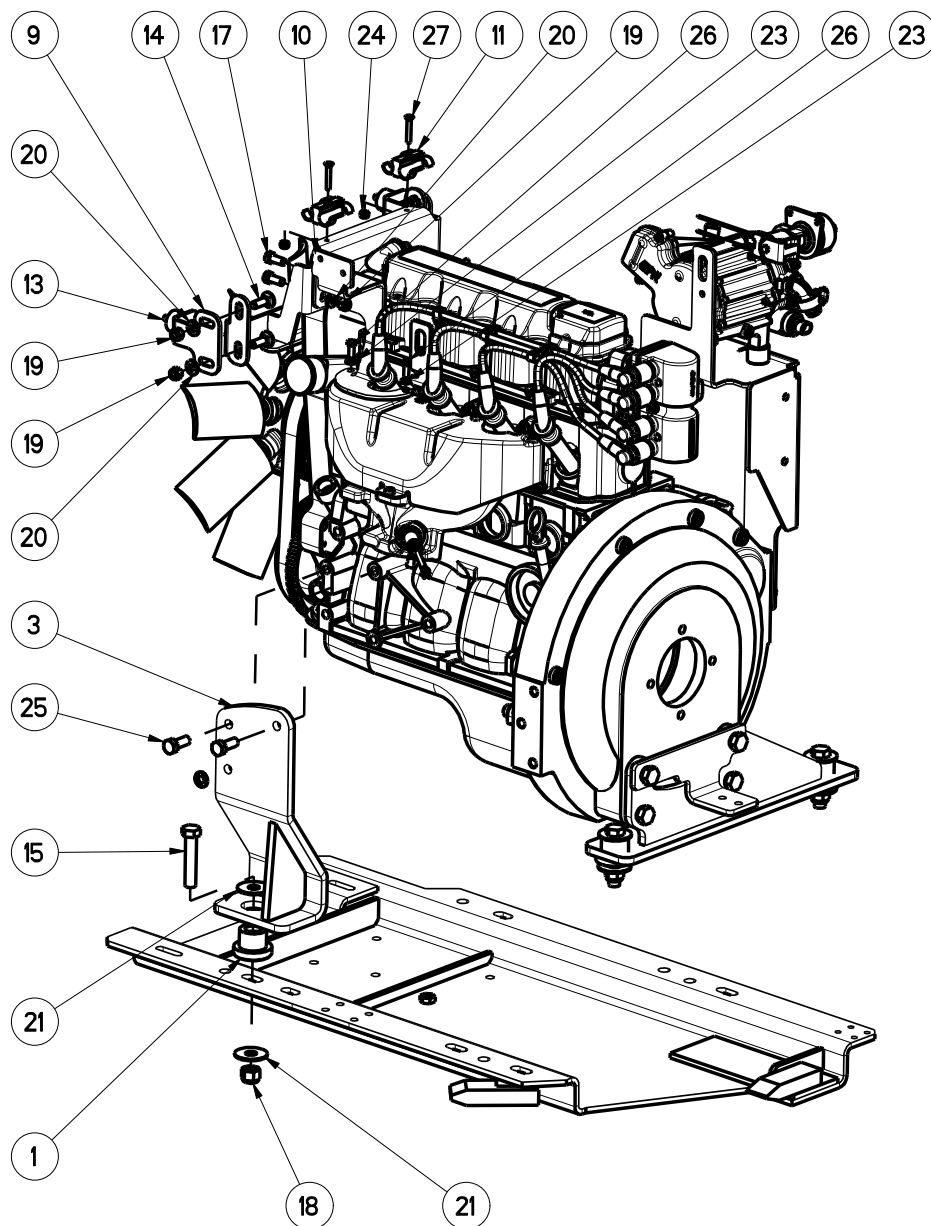
BEGINING SN-18254079

ITEM	PART NO.		REQ'D	DESCRIPTION
	LPG	GASOLINE		
1	3300464		4	ISOLATOR-RUBBER, 1.24 DIAx1.25
2	3334865		1	WELD-MNT, GM 1.6L, REAR, 9X
3	3334883		1	WELD-MNT, GM 1.6L, LF, 9X
4	3334885		1	WELD-MNT, GM 1.6L, RF, 9X
5	3334888		1	PLT-MOUNT, HOSE RETAINER, FRONT
6	3334994		1	WELD-ENGINE PAN, GM 1.6L,
7	3335883		1	BRKT-MOUNT, FWD/REV ADJUST
8	3336687		1	WELD - UPPER RAD. MOUNT BRKT
9	3336688		2	BRKT - UPPER ISOLATOR MNT
10	3336689		1	PLT - WD, RAD. RESERVOIR BRKT
11	3342611		2	RETAINER-HOSE, 5/8 DIA. (PLASTIC)
12		3343257	1	ENGINE-GASOLINE GM 1.6L TIER 2
12	3343256		1	ENGINE-LP GM1.6L TIER 2
13	3344112		2	ISOLATOR- CYLINDRICAL, 1 DIA X 3/4 X 1/4-20,
14	3400009		4	SCR-CAR,5/16-18X1.00
15	3400019		4	SCR-HEX,1/2-13X2.50
16	3400022		4	SCR-HEX,1/2-13X1.25
17	3400036		2	SCR-HEX, 5/16-18x0.75
18	3400078		4	NUT-HEX 1/2-13 ES
19	3400080		6	NUT-HEX 5/16-18 ES
20	3400088		6	WASHER-FLAT 5/16 IDx.688 ODx.0
21	3400091		8	WASHER-FENDER 1/2
22	3400098		4	WASHER-LOCK 1/2 SPLIT
23	3400103		2	WASHER-LOCK 1/4 SPLIT
24	3400399		2	NUT-HEX NYLON LOCK #10-24 SS
25	3400625		4	SCR-HHM 10MM X 25MM
26	3400737		2	SCR-HEX 6MM X 16MM
27	3401099		2	SCR-FLT, 10-24X1.25, SOC

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ENGINE PAN, MOTOR MOUNTS & BRACKETS

BEGINNING SN-18254079



ENGINE PAN, MOTOR MOUNTS & BRACKETS

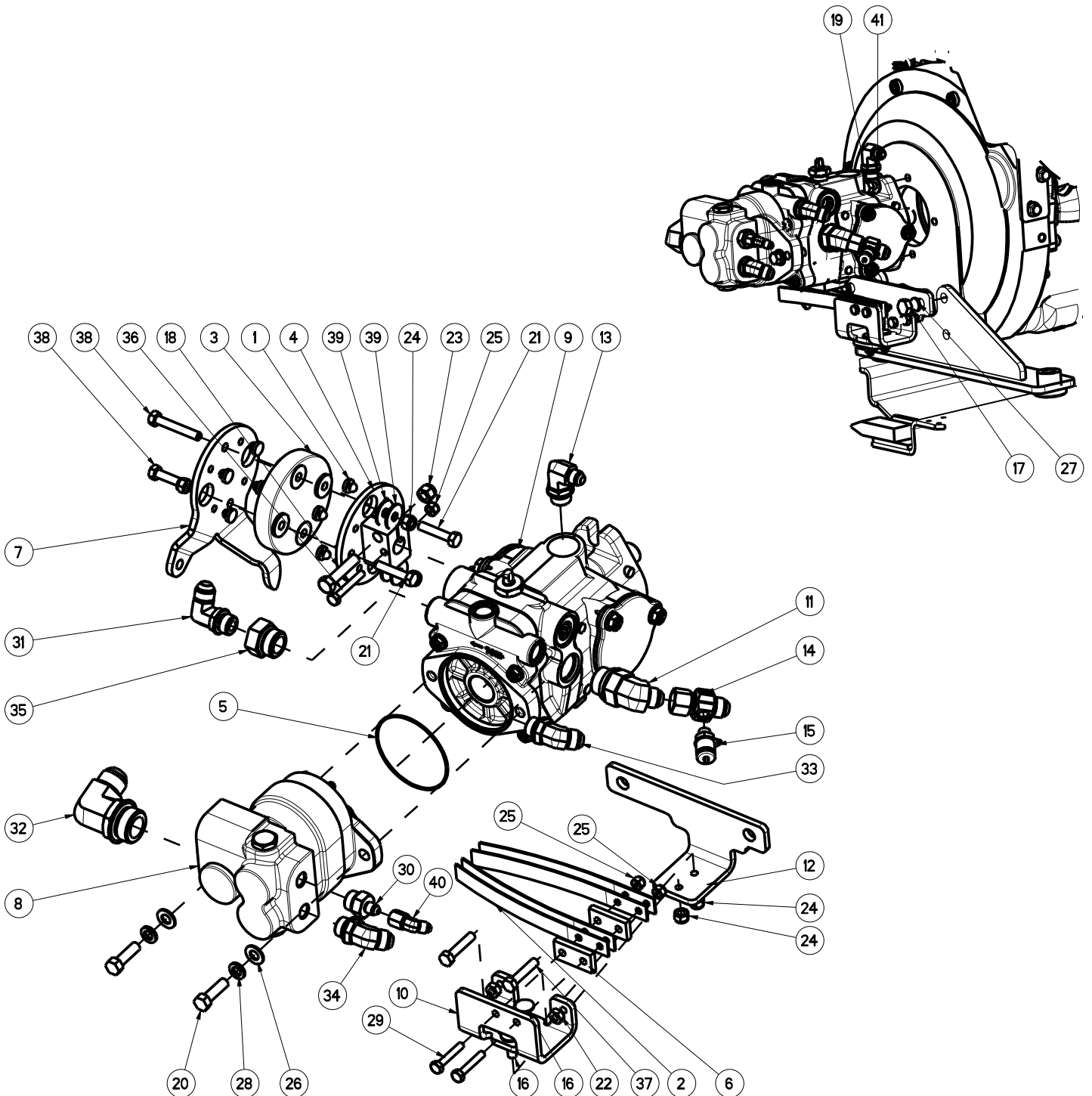
BEGINNING SN-18254079

ITEM	PART NO.		REQ'D	DESCRIPTION
	LPG	GASOLINE		
1	3300464		4	ISOLATOR-RUBBER, 1.24 DIAx1.25
2	3334865		1	WELD-MNT, GM 1.6L, REAR, 9X
3	3334883		1	WELD-MNT, GM 1.6L, LF, 9X
4	3334885		1	WELD-MNT, GM 1.6L, RF, 9X
5	3334888		1	PLT-MOUNT, HOSE RETAINER, FRONT
6	3334994		1	WELD-ENGINE PAN, GM 1.6L,
7	3335883		1	BRKT-MOUNT, FWD/REV ADJUST
8	3336687		1	WELD - UPPER RAD. MOUNT BRKT
9	3336688		2	BRKT - UPPER ISOLATOR MNT
10	3336689		1	PLT - WD, RAD. RESERVOIR BRKT
11	3342611		2	RETAINER-HOSE, 5/8 DIA. (PLASTIC)
12	3343256		1	ENGINE-LP GM1.6L TIER 2
13	3344112		2	ISO-CYL, 1 DIA X 3/4 X 1/4-20,
14	3400009		4	SCR-CAR,5/16-18X1.00
15	3400019		4	SCR-HEX,1/2-13X2.50
16	3400022		4	SCR-HEX,1/2-13X1.25
17	3400036		2	SCR-HEX, 5/16-18x0.75
18	3400078		4	NUT-HEX 1/2-13 ES
19	3400080		6	NUT-HEX 5/16-18 ES
20	3400088		6	WASHER-FLAT 5/16 IDx.688 ODx.0
21	3400091		8	WASHER-FENDER 1/2
22	3400098		4	WASHER-LOCK 1/2 SPLIT
23	3400103		2	WASHER-LOCK 1/4 SPLIT
24	3400399		2	NUT-HEX NYLON LOCK #10-24 SS
25	3400625		4	SCR-HHM 10MM X 25MM
26	3400737		2	SCR-HEX 6MM X 16MM
27	3401099		2	SCR-FLT, 10-24X1.25, SOC

End Of This Section

PROPULSION PUMP, AUXILIARY PUMP & RETURN SPRINGS

BEGINNING SN-18168059



PROPULSION PUMP, AUXILIARY PUMP & RETURN SPRINGS

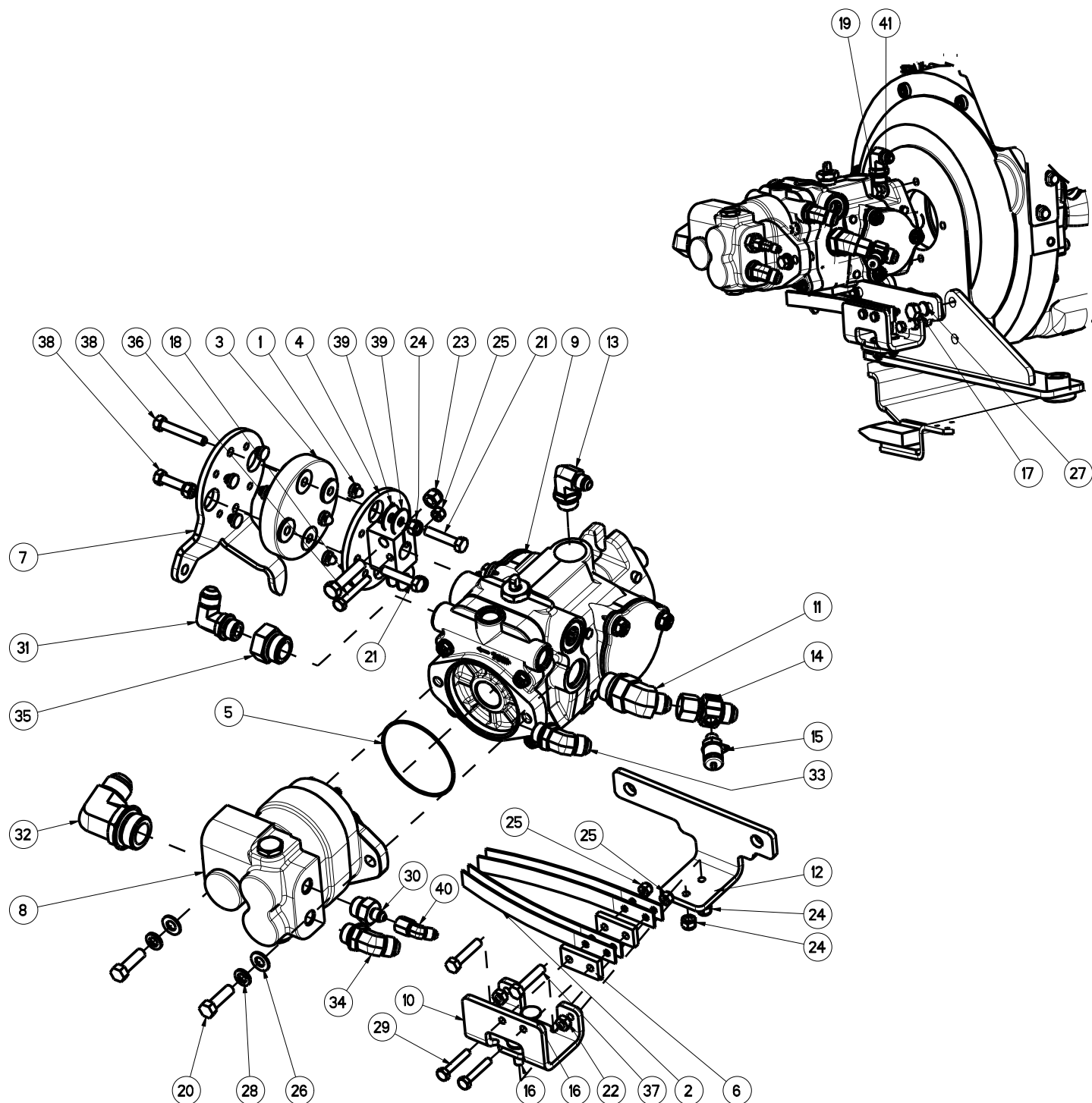
BEGINNING SN-18168059

ITEM	PART NO.		REQ'D	DESCRIPTION
	LPG	GASOLINE		
1	3300526		8	BUMPER-RUBBER 1/4 ID X 1/8 THK
2	3300543		4	SPRING-FWD/REV RETURN
3	3301507		2	COUPLING-RUBBER, DIR CONTROL
4	3301544		1	WELD-DISC FWD/REV
5	3303711		1	ORING-STATIC SEAL 3.239 ID
6	3303918		1	SPACER-FWD/REV BRACKET
7	3307219		2	PLT-DIRECTIONAL CONT PLTD
8	3321397		1	PUMP-HYDRAULIC AUX W/FLOW DIR
9	3335072		1	PUMP-PISTON, VARIABLE, 1.44 CID
10	3335301		1	BRACKET - FWD/REV . 9X
11	3335709		1	FTG-45° 1-1/16-12 X 1/2", STR#12-JIC37°#8
12	3335883		1	BRKT-MOUNT, FWD/REV ADJUST
13	3341130		1	FTG-90 3/4-16 TO #6
14	3342204		1	FTG-GAUGE PORT
15	3342205		1	COUPLING-TEST 4 MALE 0-ROMG (7/16-20)
16	3400009		2	SCR-CAR,5/16-18X1.00
17	3400022		2	SCR-HEX,1/2-13X1.25
18	3400027		1	SCR-HEX,3/8-16X1.75
19	3400028		2	SCR-HEX,3/8-16x1.50
20	3400029		2	SCR-HEX, 3/8-16x1.25
21	3400033		2	SCR-HEX,5/16-18X1.50
22	3400069		2	NUT-HEX 5/16-24
23	3400079		1	NUT-HEX 3/8-16 ES
24	3400080		6	NUT-HEX 5/16-18 ES
25	3400081		3	NUT-HEX 1/4-20 ES
26	3400087		2	WASHER-FLAT 3/8 STANDARD
27	3400098		2	WASHER-LOCK 1/2 SPLIT

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PROPULSION PUMP, AUXILIARY PUMP & RETURN SPRINGS

BEGINNING SN-18168059



PROPULSION PUMP, AUXILIARY PUMP & RETURN SPRINGS

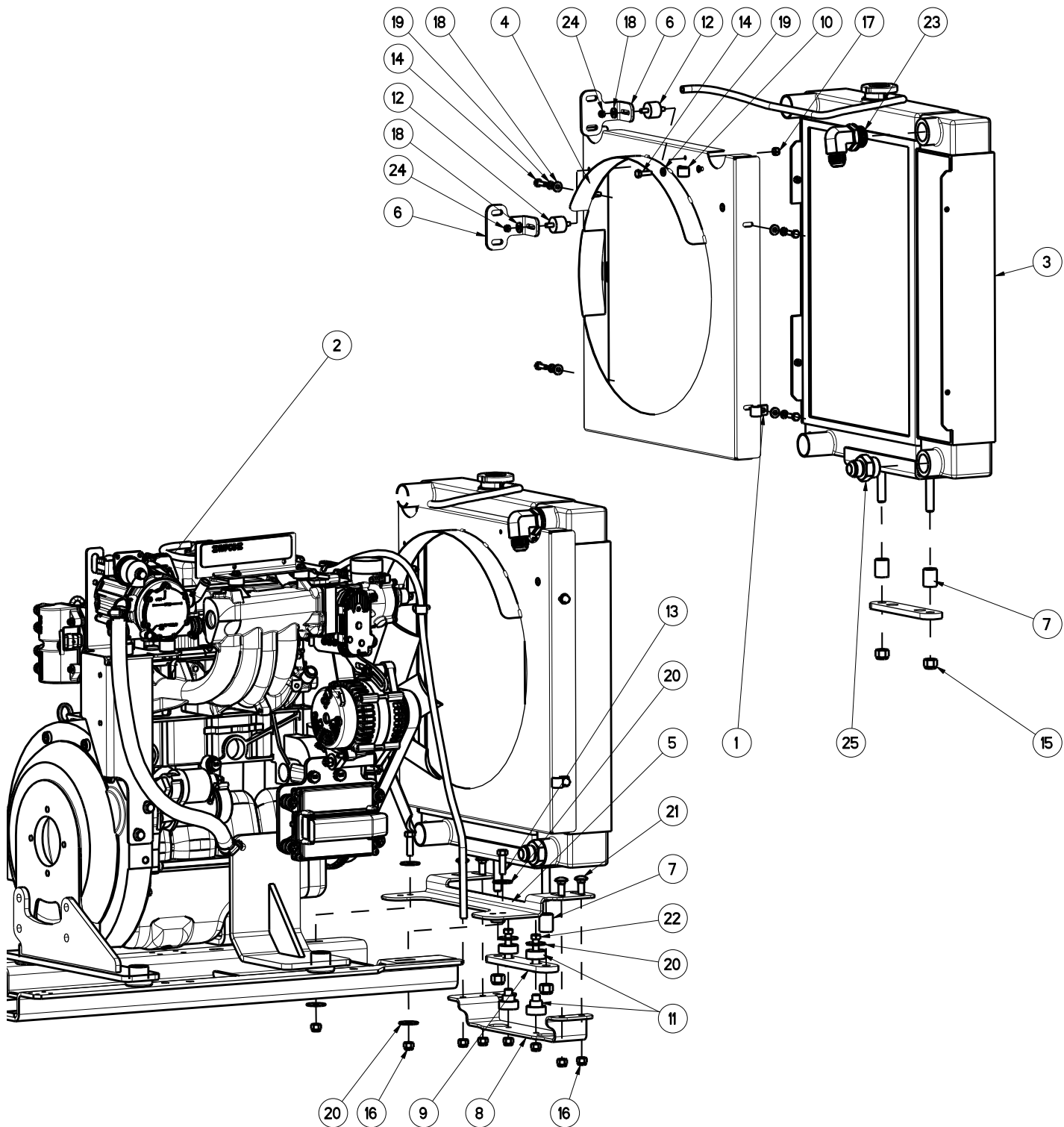
BEGINNING SN-18168059

ITEM	PART NO.		REQ'D	DESCRIPTION
	LPG	GASOLINE		
28	3400101		2	WASHER-LOCK 3/8 SPLIT
29	3400149		2	SCR-HEX, 1/4-20x1.50
30	3400150		1	FTG-STR 3/4-16 TO #4
31	3400154		1	FTG-90 3/4-16 TO #8
32	3400156		1	FTG-90 1 5/16-12 TO #16
33	3400157		1	FTG-45° 3/4-16 TO #8
34	3400158		1	FTG-45° 7/8-14 TO #8
35	3400167		1	FTG-ADAPTER 1 1/6-12 EXT
36	3400173		1	SCR-HEX, 1/4-20X1.75
37	3400228		2	SCR-HEX, 5/16-24x1.5 FULL THD
38	3400231		2	SCR-HEX, 5/16-18X2.0
39	3400233		4	WASHER-FENDER 5/16 1.00 OD
40	3400248		1	FTG-SWIVEL 45 ELL #4JIC 1/4
41	3400385		2	WASHER-CONICAL SPRING 3/8

End Of This Section

RADIATOR & BRACKETS

BEGINNING SN-18168059



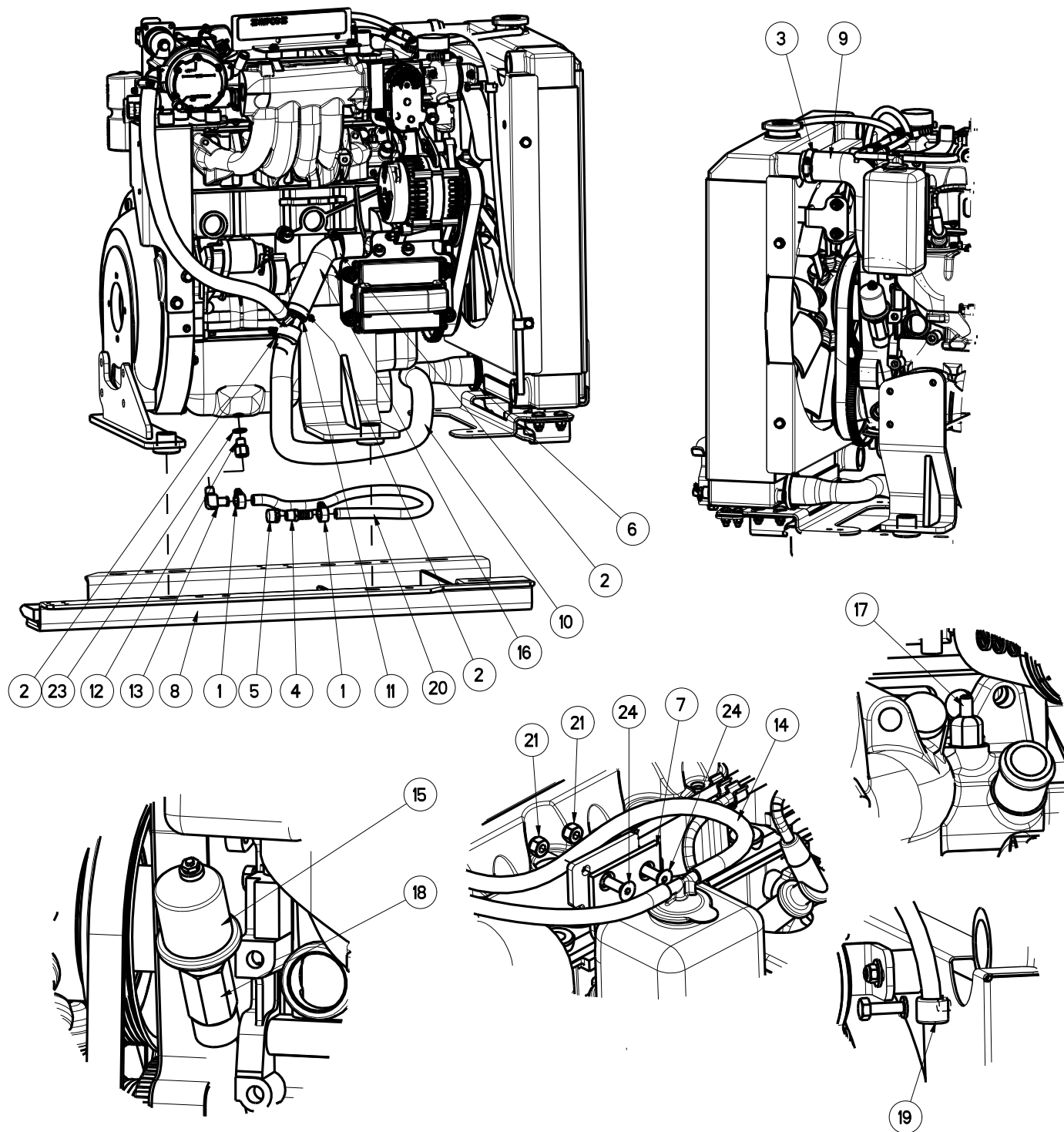
RADIATOR & BRACKETS

BEGINNING SN-18168059

ITEM	PART NO.		REQ'D	DESCRIPTION
	LPG	GASOLINE		
1	3302543		1	CLAMP-SADDLE TYPE 5/16" DIA.
2	3318752		1	RESERVOIR - COOLANT OVRFLW 6.75" X 3.6" X 3.0"
3	3335476		1	RADIATOR-OIL COOLER,
4	3335726		1	WELD - SHROUD, RADIATOR,
5	3336626		2	PLT- BASE, RADIATOR MOUNT
6	3336688		2	BRKT - UPPER ISOLATOR MNT
7	3336690		2	WELD, RAD. RESERVOIR BRKT
8	3336703		1	PLT - RADIATOR MNT
9	3336704		1	PLT - BASE, RADIATOR MNT
10	3343082		1	CLAMP-PIPE, 9/16 DIA, INSULATE
11	3344110		2	ISOLATOR-BONDED BUSHING BOTTOM RADIATOR
12	3344112		2	ISO-CYL, 1 DIA X 3/4 X 1/4-20,
13	3400029		2	SCR-HEX, 3/8-16x1.25
14	3400041		5	SCR-HEX,1/4-20X0.88
15	3400078		2	NUT-HEX 1/2-13 ES
16	3400079		8	NUT-HEX 3/8-16 ES
17	3400081		4	NUT-HEX 1/4-20 ES
18	3400089		8	WASHER-FLAT 1/4 STANDARD
19	3400103		7	WASHER-LOCK 1/4 SPLIT
20	3400278		6	WASHER-FENDER 3/8
21	3400379		4	SCR-CAR,3/8-16X1.00
22	3401454		2	BOLT-HEX, TAP 3/8-16 X 2
23	3401495		1	FTG-90° 1 5/16-12 STOR X #12 JIC
24	3401569		2	NUT-HEX JAM 1/4-20 ES
25	3402003		1	FTG-ADAPTER STRAIGHT#12 TO #16

RADIATOR HOSES, SENDING UNITS & CLAMPS (Lpg Shown)

BEGINNING SN-18168059



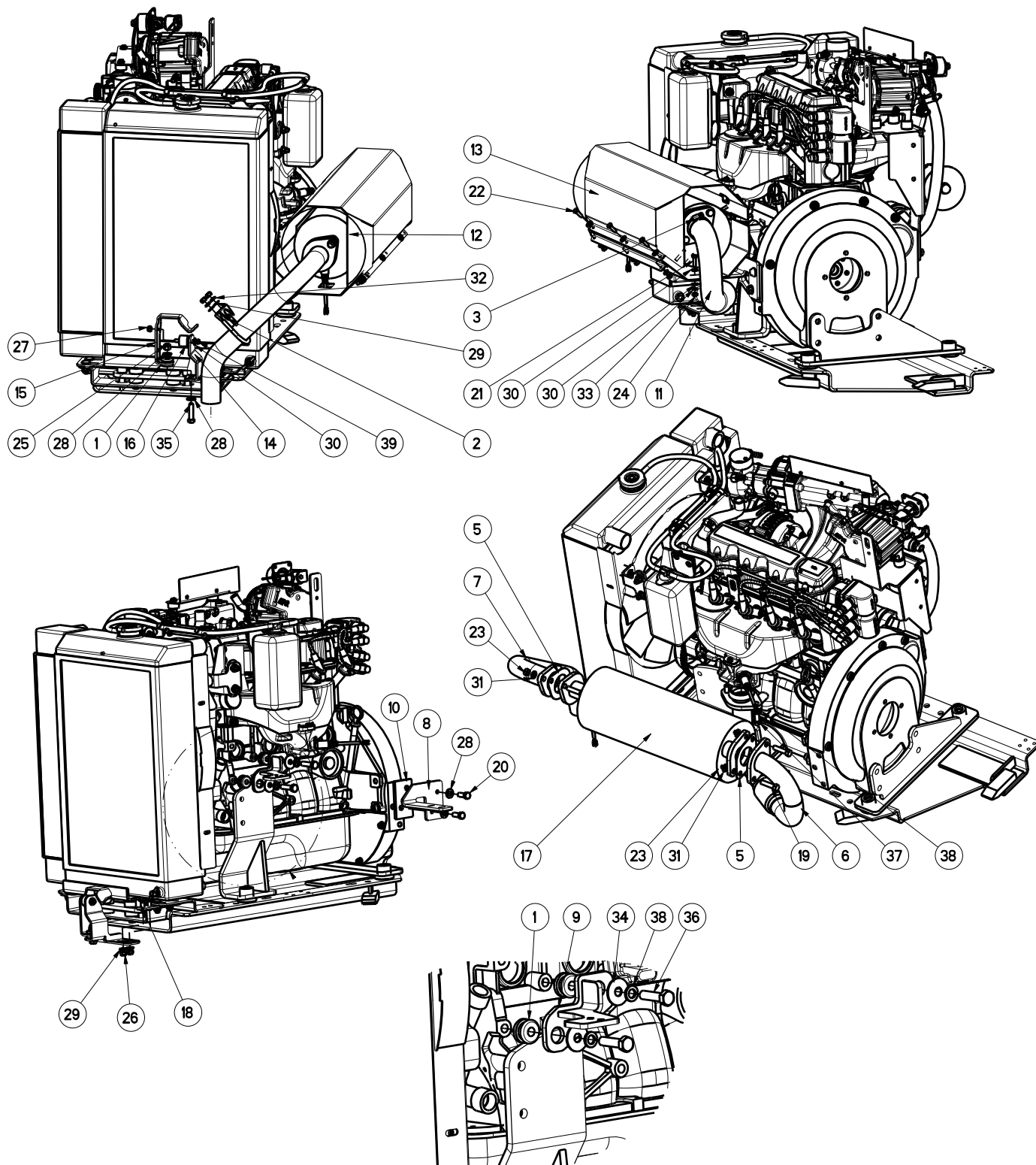
RADIATOR HOSES, SENDING UNITS & CLAMPS (Lpg Shown)

BEGINNING SN-18168059

ITEM	PART NO.		REQ'D	DESCRIPTION
	LPG	GASOLINE		
1	3302144		2	CLAMP-HOSE 1/2 NOM
2	3302193		3	CLAMP-HOSE 1.25 NOM
3	3303255		2	CLAMP-HOSE 1.75 DIA NOMINAL
4	3307829		1	FTG-HOSE BARB 1/2 X 3/8 MPT
5	3307830		1	FTG-CAP 3/8 FPT
6	3312189		1	CLAMP-HOSE 2" NOMINAL SS WORM
7	3318752		1	RESERVOIR - COOLANT OVERFLOW 6.75" X 3.6" X 3.0"
8	3334994		1	WELD-ENGINE PAN, GM 1.6L,
9	3335454		1	HOSE-RADIATOR, UPPER, ARMA
10	3335455		1	HOSE-RADIATOR, LOWER, ARMA
11	3336081		1	FTG-TEE HOSE, REDUC BARB, 1" X 5/8"
12	3336592		1	FTG-ADAPTOR, 14MM X 1.5 THREAD
13	3336593		1	FTG-BH BARB, 90° ELL, 1/4 MPT
14	3336719		1	HOSE - 1/4 ID, COOLANT OVERFLOW
15	3341069		1	SENDER-OIL PRESSURE 12V
16	3341793		1	HOSE-RADIATOR BTM SHORT
17	3341806		1	SENDER-TEMPERATURE 1/8 NPT
18	3342078		1	ADAPTER-1.6L GM OIL SENDER
19	3343082		1	CLAMP-PIPE, 9/16 DIA, INSULATE
20	3343108		1	HOSE-1/2 ID X 20 EEC-PCV
21	3400081		5	NUT-HEX 1/4-20 ES
22	3401122		0.400	565 PST.ThrdSlnt50ml (WHITE LOCTITE 565)
23	3401466		1	SEAL-OIL PAN DRAIN, GM1.6L ENG
24	3401542		2	SCR - FHSCS, 1/4-20 X 3/4 L, Z

EXHAUST SYSTEM

BEGINNING SN-18168059



EXHAUST SYSTEM

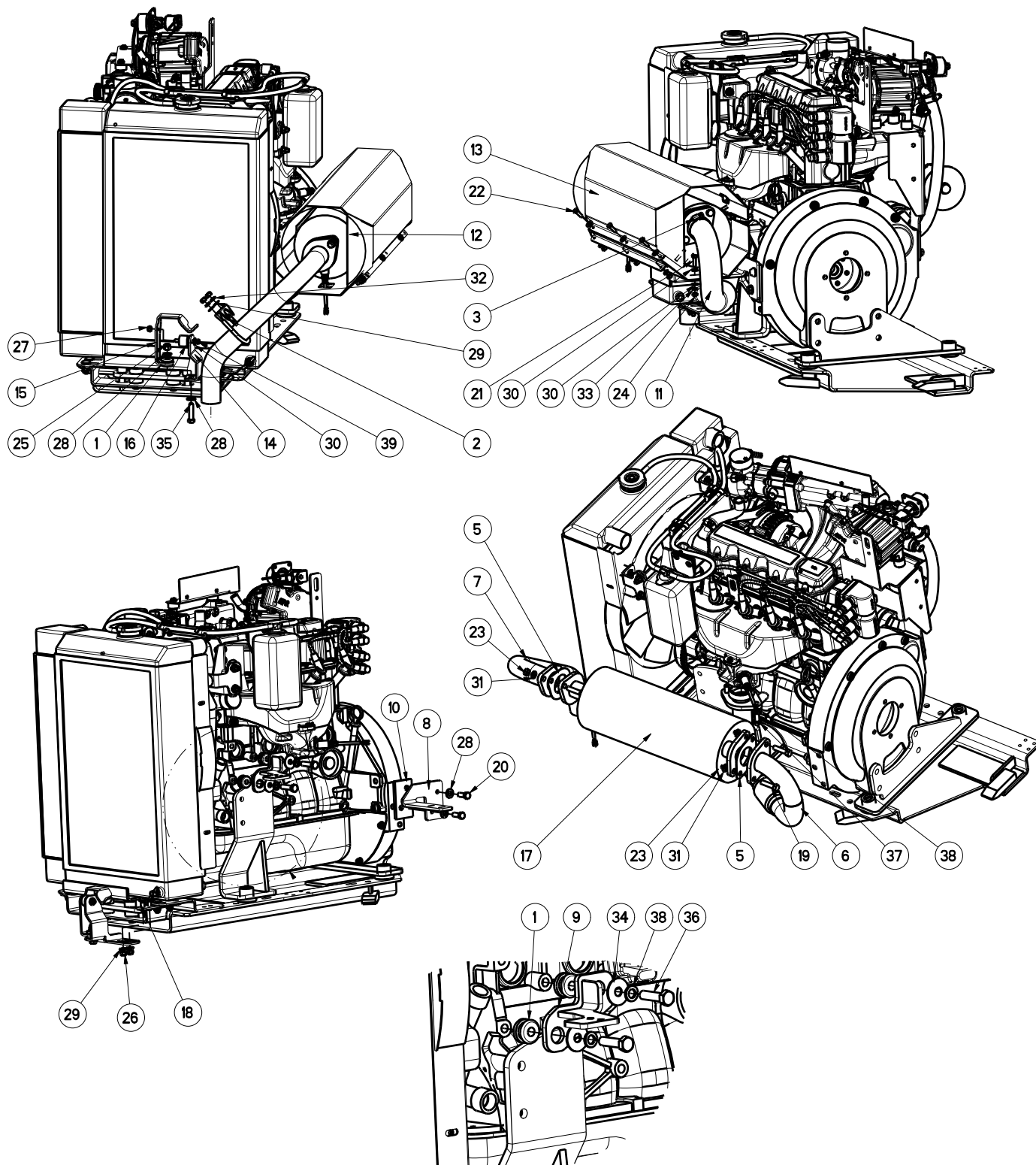
BEGINNING SN-18168059

ITEM	PART NO.		REQ'D	DESCRIPTION
	LPG	GASOLINE		
1	3300465		3	ISOLATOR-RUBBER (.375IDx.81OD)
2	3301640		1	CLAMP-EXHAUST 1 3/4
3	3303255		2	CLAMP-HOSE 1.75 DIA NOMINAL
4	3318752		1	RESERVOIR - COOLANT OVRFLW 6.75" X 3.6" X 3.0"
5	3333656		2	GASKET-EXHAUST CATYLIST, 2" ID, 2 HOLE
6	3334890		1	WELD-EXHAUST, HEADER PIPE, ARM
7	3334891		1	WELD-EXHAUST, TAIL PIPE, ARMA
8	3335011		1	PLT-MNT, HEAT SHIELD, FRONT, ARMA
9	3335030		1	WELD- HEAT SHIELD MNT, FRONT,
10	3335193		1	ISOLATOR-RUBBER, SHIELD MOUNT,
11	3335884		1	PLT - WD, FRONT BAR, CENTER CONSOLE
12	3336029		1	PLT-HEAT SHIELD, EXHAUST, BOTTOM
13	3336030		1	WELD-HEAT SHIELD, EXHAUST, TOP
14	3336694		1	WELD - EXHAUST MNT, ISOLATOR BRKT
15	3336705		1	PLT - EXHAUST MNT BRKT ANGLED
16	3344112		3	ISO-CYL, 1 DIA X 3/4 X 1/4-20,
17	3350056		1	MUFFLER-GM 1/6 L TIER 2 CAT
18	3400009		6	SCR-CAR,5/16-18X1.00
19	3400028		4	SCR-HEX,3/8-16x1.50
20	3400030		2	SCR-HEX,3/8-16X1.00
21	3400041		5	SCR-HEX,1/4-20X0.88
22	3400042		5	SCR-HEX,1/4-20X0.75
23	3400068		4	NUT-HEX 3/8-16
24	3400071		9	NUT-HEX 1/4-20

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EXHAUST SYSTEM

BEGINNING SN-18168059



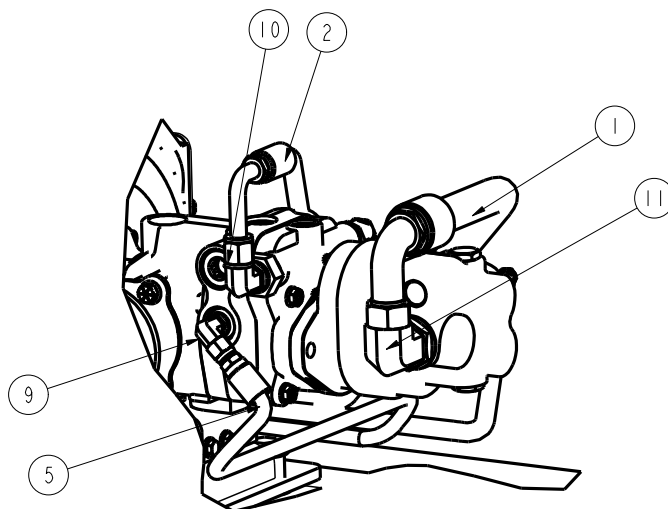
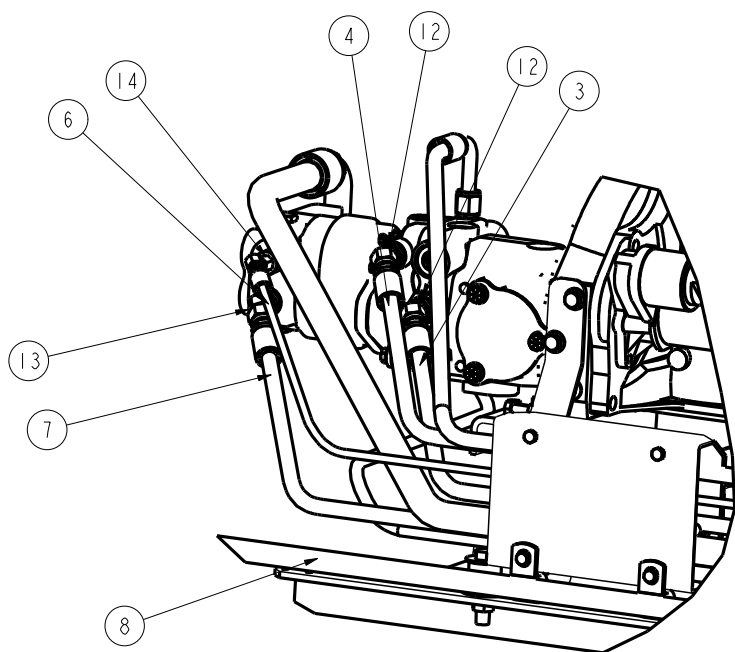
EXHAUST SYSTEM

BEGINNING SN-18168059

ITEM	PART NO.		REQ'D	DESCRIPTION
	LPG	GASOLINE		
25	3400079		7	NUT-HEX 3/8-16 ES
26	3400080		8	NUT-HEX 5/16-18 ES
27	3400081		5	NUT-HEX 1/4-20 ES
28	3400087		4	WASHER-FLAT 3/8 STANDARD
29	3400088		10	WASHER-FLAT 5/16 IDx.688 ODx.0
30	3400089		16	WASHER-FLAT 1/4 STANDARD
31	3400101		4	WASHER-LOCK 3/8 SPLIT
32	3400102		2	WASHER-LOCK 5/16 SPLIT
33	3400103		12	WASHER-LOCK 1/4 SPLIT
34	3400278		4	WASHER-FENDER 3/8
35	3400455		1	SCR-HEX,3/8-16X1.50 SS
36	3400611		2	SCR-HHM 10 MM X 40 MM LG
37	3401051		2	SCR-M10-1.5 X 30 HEX HEAD GR 8.8
38	3401458		4	WASHER-LOCK 10MM
39	3401569		3	NUT-HEX JAM 1/4-20 ES

End Of This Section

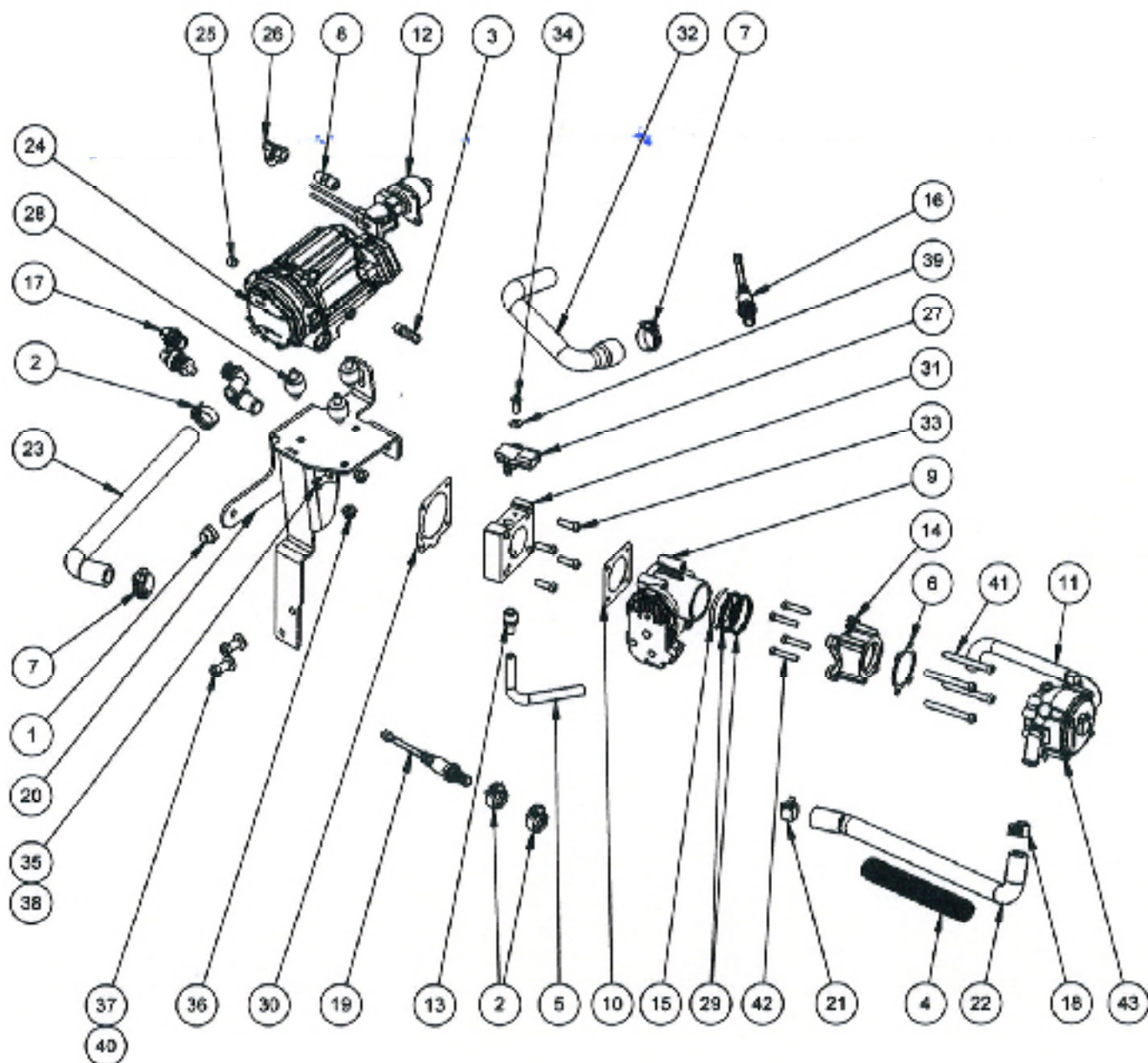
HYDRAULIC HOSES & FITTINGS



HYDRAULIC HOSES & FITTINGS

ITEM	PART NO.		REQ'D	DESCRIPTION
	LPG	GASOLINE		
1	3307669		1	HOSE-1.0 AR 160.00 ST#16 90L#16
2	3307682		1	HOSE-1/2 AR 178.00 ST#8 90L#8
3	3307684		1	HOSE-1/2 AR 168.50 ST#8 ST#8
4	3307685		1	HOSE-1/2 AR 151.50 ST#8 ST#8
5	3307686		1	HOSE-3/8 AR 160.50 ST#8 ST#6
6	3307687		1	HOSE-1/4 AR 151.00 ST#4 90L#4
7	3307688		1	HOSE-1/2 AR 152.00 ST#8 45#8
8	3334239		1	HOSE-3/4AR 163.00 #12ST #12ST
9	3400153		1	FTG-90 6MJIC X 6MORB
10	3400154		1	FTG-90 EL 3/4-16 MORB X -8JIC
11	3400156		1	FTG-90 #16 O-RING TO #12 JIC
12	3400157		2	FTG-45 3/4-16 TO #8
13	3400158		1	FTG-45 3/4-16 TO #8
14	3400248		1	FTG-SWIVEL 45 ELL #4JIC 1/4

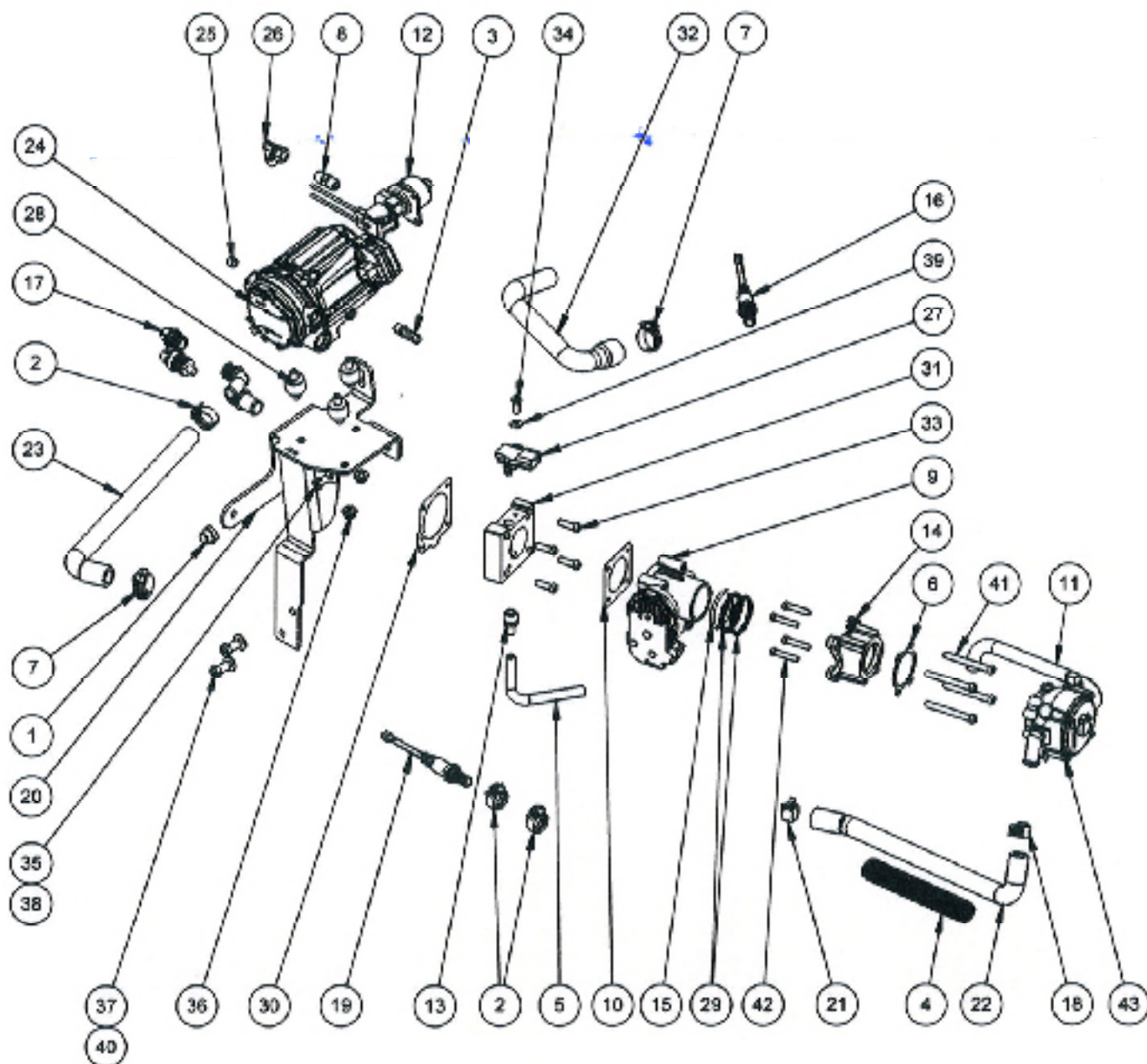
LPG SYSTEM T2



LPG SYSTEM T2

ITEM	PART NO.		REQ'D	DESCRIPTION
	LPG			
1	3339831		1	PLUG-M16 INTAKE MANIFOLD GM T2
2	3339843		3	CLAMP-WORM DRIVE (1/2" WIDTH) HOSE CLAMP (SAE 10) 9/16
3	3339844		1	*INTENTIONAL NUMBER SKIP*
4	3339845		1	LOOM-SPLIT 1" GM T2
5	3339832		1	HOSE-VACUUM 7/32" GM T2
6	3339846		1	GASKET-ADAPTER GM T2
7	3339833		2	CLAMP-WORM DRIVE (1/2" WIDTH) HOSE CLAMP (SAE 12) 11/16
8	3339847		1	NIPPLE-1/4 NPT X 1-3/8 HEX GM T2
9	3339822		1	THROTTLE BODY-40MM GM T2
10	3339834		1	GASKET-4 BOLT, TB GM T2
11	3339848		1	HOSE-FUEL 3/8 DIA. GM T2
12	3339849		1	VALVE-LOCK-OFF GM T2
13	3339835		1	FTG-VAC M16-1.5-6H GM T2
14	3339850		1	ADAPTER- GM T2
15	3339851		1	O-RING-MXR ADPTR 40MM/100 GM T2
16	3343629		1	SENSOR,02 @ MANIFOLD
17	3339852		2	FTG-KIT, EPR GM T2
18	3339853		1	CLAMP-5/8, HOSE (SPRING TYPE) GM T2
19	3343630		1	SENSOR,02 POST CAT
20	3339854		1	BRKT-WELDMENT, REGULATOR MOUNT GM T2
21	3339855		1	CLAMP-3/4, HOSE (SPRING TYPE) GM T2
22	3339856		1	HOSE-MOLDED FUEL GM T2
23	3339857		1	HOSE-MOLDED FUEL GM T2 #2
24	3339858		1	REGULATOR-ELECT PRESS 2007 UL GM T2

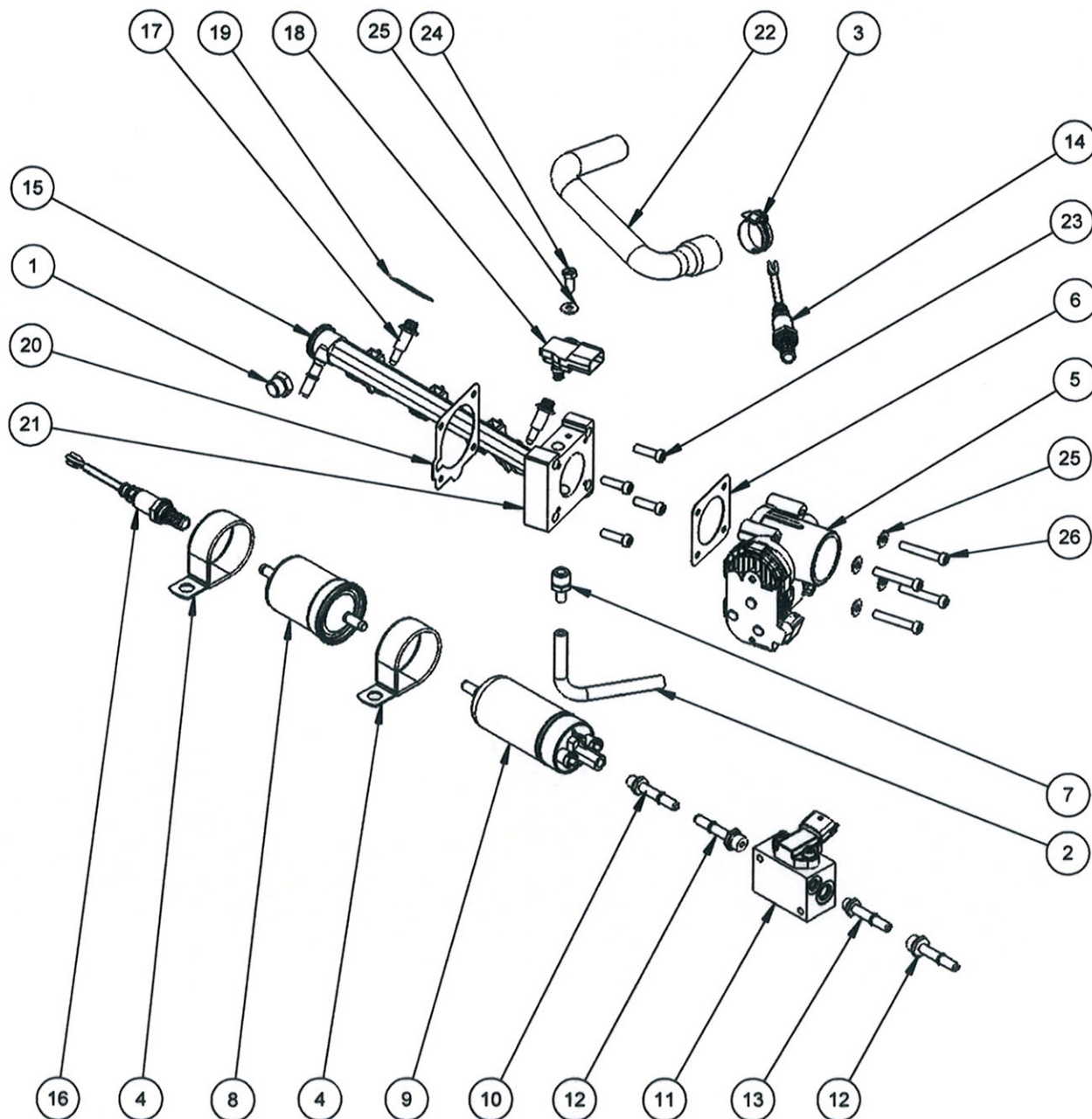
LPG SYSTEM T2



LPG SYSTEM T2

ITEM	PART NO.		REQ'D	DESCRIPTION
	LPG			
25	3339859		1	PLUG-1/8NPT X 3/16 INTERN HEX GM T2
26	3339860		1	FTG-1/4NPT X 1/4-18 CONNECTOR GM T2
27	3339836		1	SENSOR-T MAP GM T2
28	3339861		2	ISOLATOR-EPR GM T2
29	3339862		1	SEAL-QUAD MXR ADPTR 40MM/100 GM T2
30	3339837		1	GASKET-INTAKE MANIFOLD/ADAPTER GM T2
31	3339838		1	ADAPTER-INTAKE/THROTTLE BODY GM T2
32	3339839		1	HOSE-BREATHER GM T2
33	3339840		4	BOLT-M6 X 1.0 X 25, SKT HD BOLT, GR 12.9 V GM T2
34	3339841		1	BOLT-1/4-20 X 3/4 HX HD BOLT GR5 GM T2
35	3339863		1	BOLT-M8 X 1.25 X 15 HX HD BOLT GR 8.8 GM T2
36	3339864		1	NUT-M8 X 1.25 , HX NUT FLANGED GM T2
37	3339865		1	BOLT-3/8-16 X 3/4 HX HD BOLT, GR 5 GM T2
38	3339866		1	WASHER-5/16 FLAT WASHER (HARDENED) GM T2
39	3339842		1	WASHER-1/4 FLAT WASHER (HARDENED) GM T2
40	3339867		1	WASHER-3/8 FLAT WASHER (HARDENED GRL9)BOLT-M6 X 1/0 X 70
41	3339868		4	BOLT-M6 X 1.0 X 70, SKT HD BOLT GM T2
42	3339869		4	BOLT-M5-0.8 X 35 SKT HD BOLT GM T2
43	3339870		1	MIXER-CERTIFIED GM T2

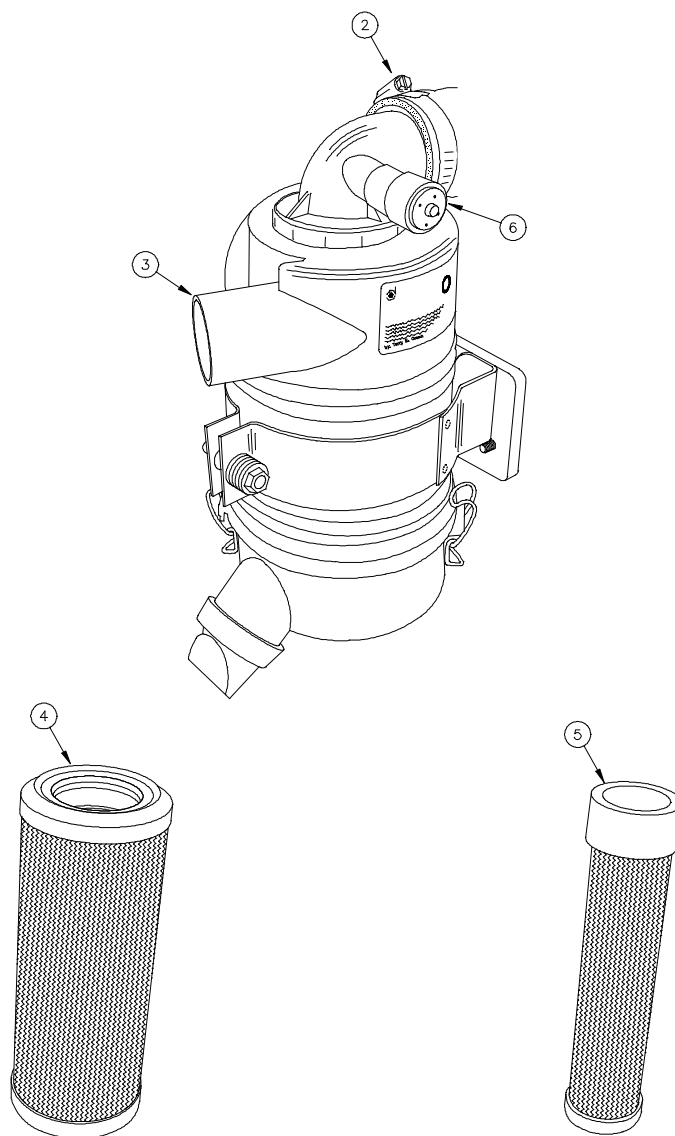
GASOLINE SYSTEM T2



GASOLINE SYSTEM T2

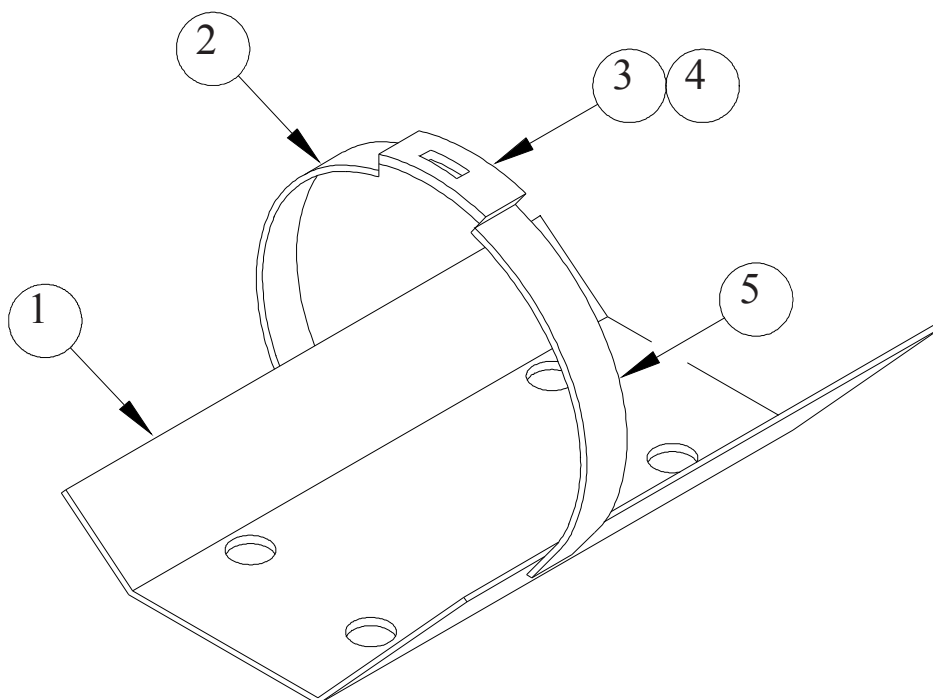
ITEM	PART NO.	REQ'D	DESCRIPTION
	GASOLINE		
1	3339821	1	PLUG-M16 INTAKE MANIFOLD GM T2
2	3339825	1	HOSE-VACUUM 7/32" GM T2
3	3339827	1	CLAMP-WORM DRIVE (1/2" WIDTH) HOSE CLAMP (SAE 12) 11/16 TO 1-1/4
4	3339828	2	CLAMP-2.25" GM T2
5	3339830	1	THROTTLE BODY-40MM GM T2
6	3339831	1	KET-4 BOLT, TB GM T2
7	3339834	1	FTG-VAC M16-1.5-6H GM T2
8	3342209	1	FUEL FILTER
9	3343536	1	FUEL PUMP
10	3339835	1	FTG-FITTING & KET FOR FUEL PUMP GM T2
11	3339837	1	MANIFOLD-FUEL TEMP/RETURN GM T2
12	3339839	2	FTG-(-6) STOR 5/16 SAE J2044 GM T2
13	3339840	1	FTG-(-3) STOR 5-16 SAE J2044 GM T2
14	3343629	1	SENSOR O2 @ MANIFOLD
15	3339843	1	RAIL-FUEL GM T2
16	3343630	1	SENSOR O2 POST CAT
17	3339849	2	BOLT-ECIAL FUEL RAIL GM T2
18	3339852	1	SENSOR-T MAP GM T2
19	3339855	1	LABEL-UL RECOGNIZED FOR PART 32501263 GM T2
20	3339856	1	KET-INTAKE MANIFOLD/ADAPTER GM T2
21	3339857	1	ADAPTER-INTAKE/THROTTLE BODY GM T2
22	3339858	1	HOSE-BREATHER GM T2
23	3339859	4	BOLT-M6 X 1.0 X 25, SKT HD BOLT, GR 12.9 V GM T2
24	3339860	1	BOLT-1/4-20 X 3/4 HX HD BOLT GR5 GM T2
25	3339865	4	WASHER-1/4 FLAT WASHER (HARDENED) GM T2
26	3339867	4	SCR-M6 X 1.0 X 45 SKT HD GM T2

AIR CLEANER



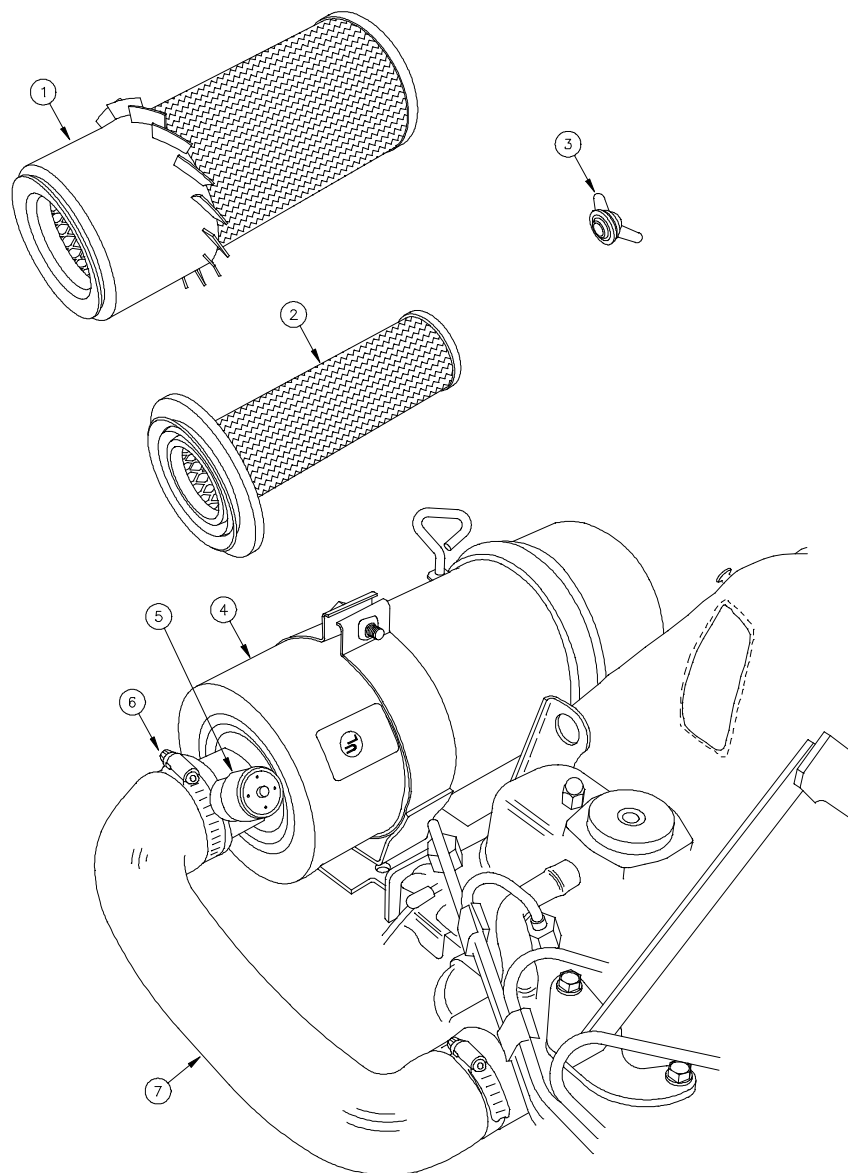
ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
2	3312189		2	CLAMP-HOSE 2" NOMINAL SS WORM
3	3317917		1	AIR CLEANER-RADIAL SEAL FPG STYLE *Includes Items 3,4 & 5 *
4	3321143		1	ELEMENT-AIR CLEANER, PRIMARY
5	3322572		1	ELEMENT-AIR CLEANER, SAFETY
6	3303991		1	INDICATOR-AIR CLEANER RESTRICTION
*	3343708		1	MOUNTING BAND-AIR CLEANER (No Item Indicator Shown)

SUB ASSEMBLY PN-3307912



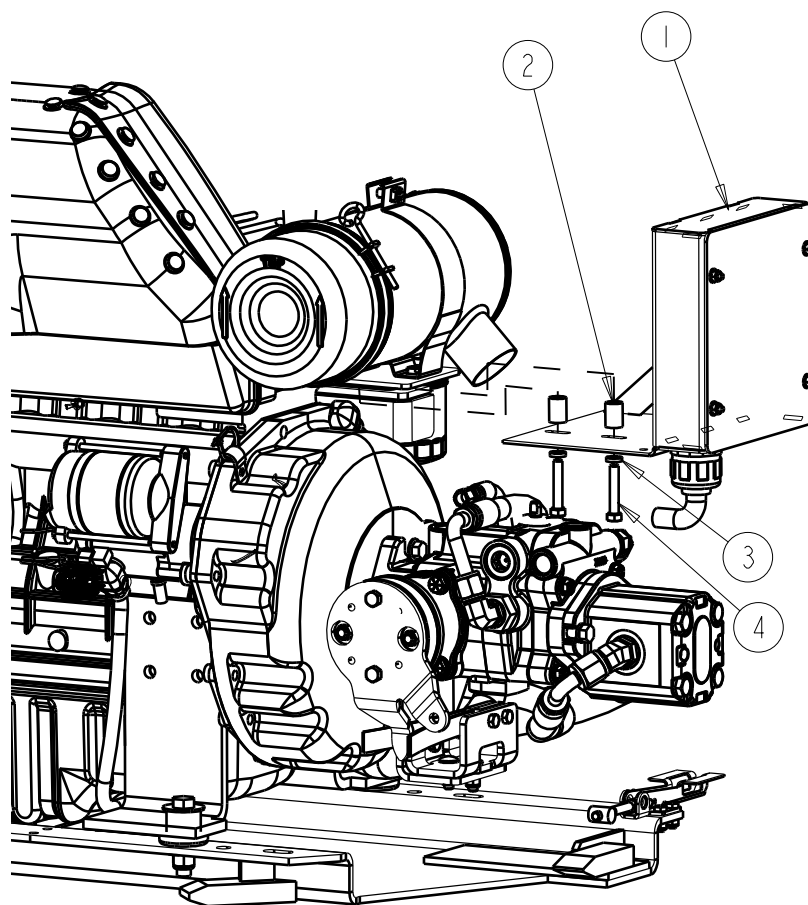
ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3334344		1	WELD-LPG TANK MOUNT,
2	3334346		1	STRAP-LATCH MOUNT LP TANK
3	281075		1	LATCH
4	3334347		1	MOUNT-LP LATCH KEEPER
5	3334345		1	STRAP-CATCH MOUNT LP TANK
-	3307912		1	LP FUEL TANK MOUNT SUB, (INCLUDES 1, 2, 3, 4, 5)

AIR CLEANER ASSEMBLY DIESEL ENGINE



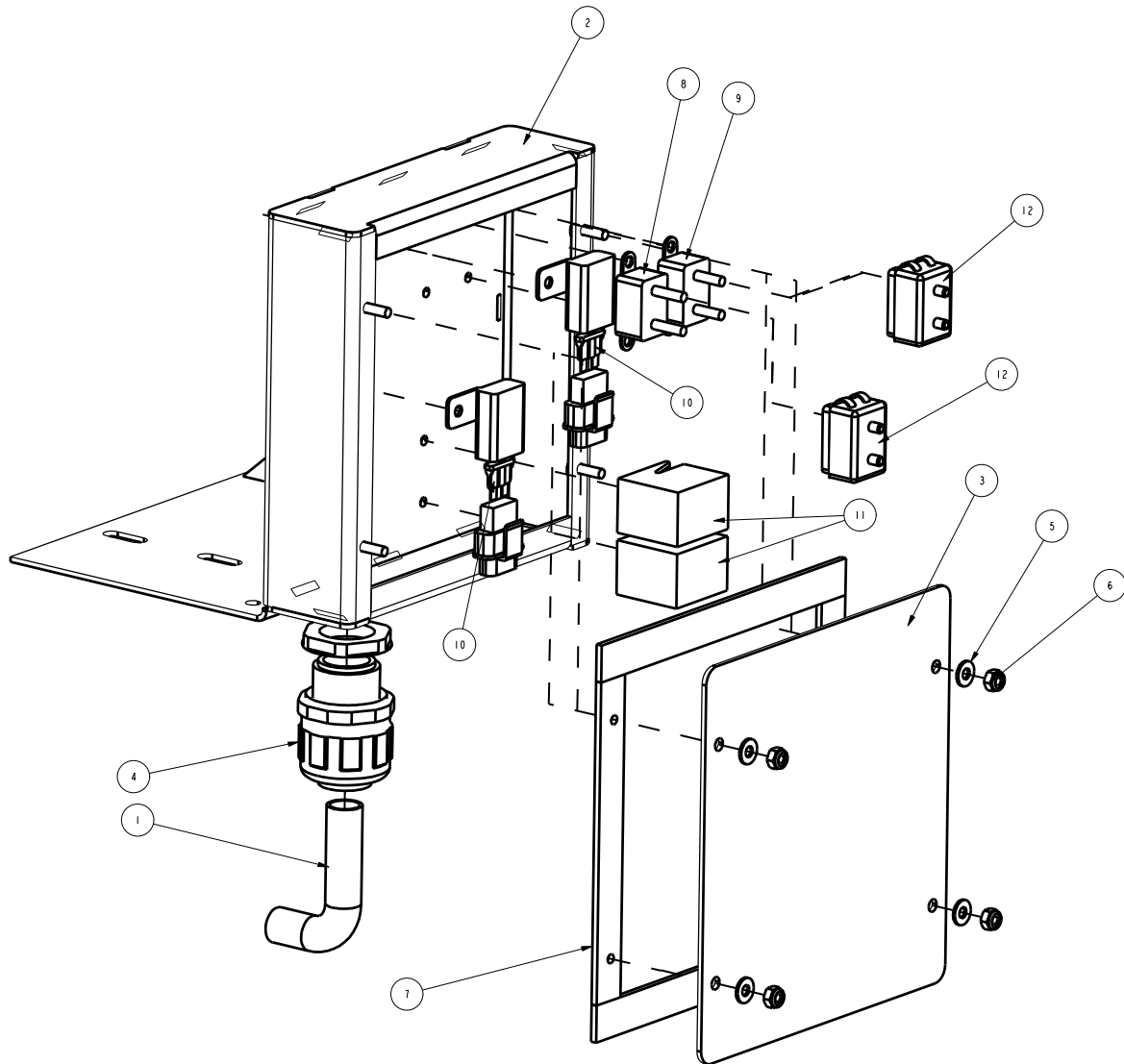
ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3302842		1	ELEMENT-AIR CLEANER, PRIMARY
2	3302597		1	ELEMENT-AIR CLEANER, SAFETY
3	3303827		1	NUT-WING, DONALDSON AIR CLEANER
4	3303031		1	ASSEMBLY-DONALDSON HEAVY DUTY AIR CLEANER (Includes Items 1,2&3)
5	3303991		1	INDICATOR-AIR CLEANER RESTRICTION
6	3044112		2	CLAMP-HOSE, φ2.5" SS
7	3333965		1	HOSE-RUBBER AIR INTAKE "U" V1505

FUSE BOX ASSEMBLY DIESEL ENGINE



ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3336080		1	ASSY-FUSE BOX COMPLETE
2	3342109		2	SPACER
3	3400102		2	WASHER
4	3401513		2	BOLT

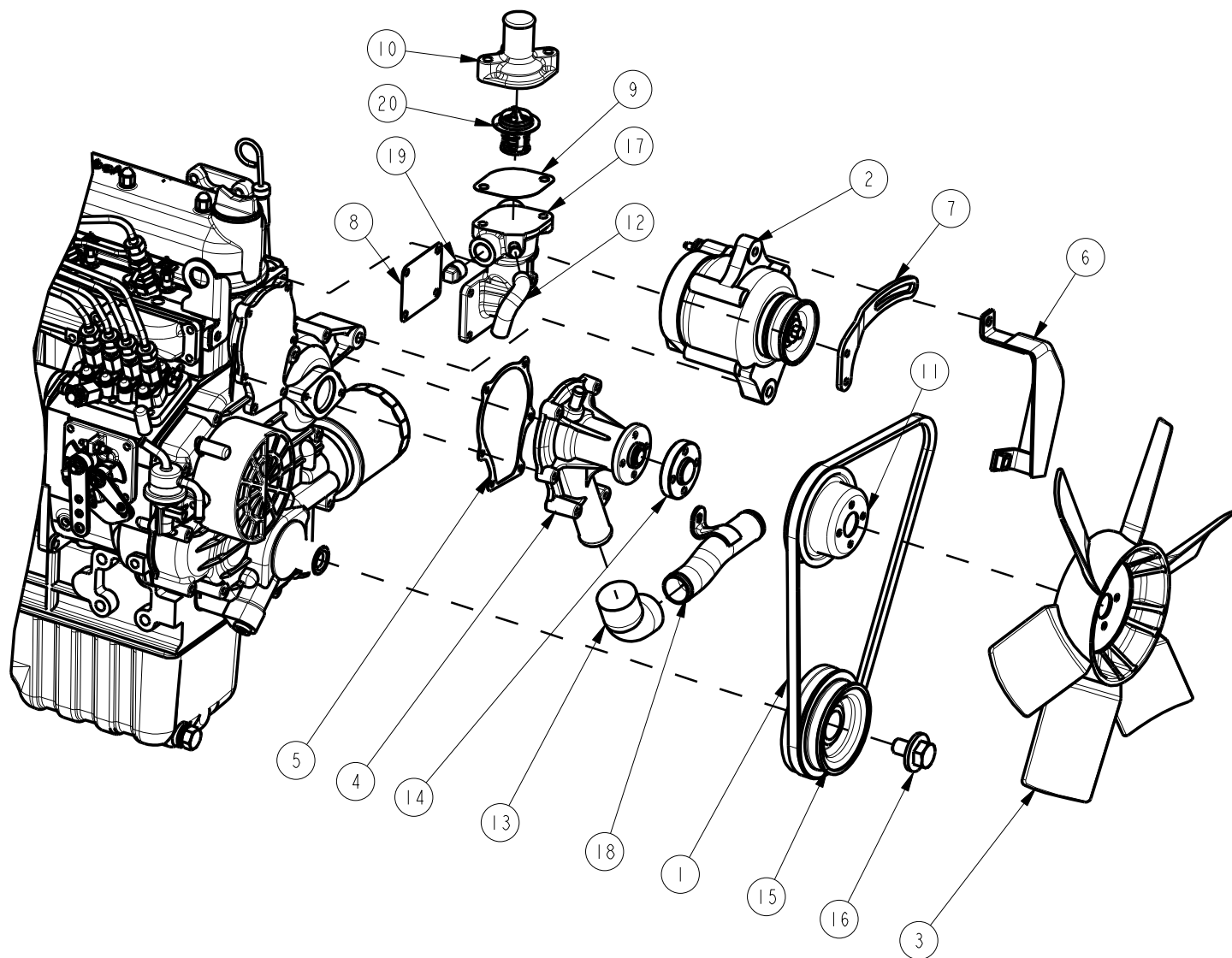
FUSE BOX DETAIL V1505 ENGINE



FUSE BOX DETAIL V1505 ENGINE

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3335664		1	KIT-PANEL EPS3901X-V1505 W/WIRING HARNESS (Includes Items 8-11)
2	3336073		1	WELD- FUSE BOX
3	3336077		1	PLT-COVER FUSE BOX
4	3336079		1	FTG-CONDUIT 1" FLEX CONNECTOR
5	3400095		4	WASHER-FLAT #10
6	3400172		4	NUT-HEX JAM #10-32 ES
7	3500246		2.375'	GASKET-OPEN CELL, 1/8x3/4
8	3334051		1	BREAKER-40 AMP V1505 DIESEL
9	3334052		1	BREAKER-30 AMP V1505 DIESEL
10	3335329		2	FUSE - 10 AMP V1505
11	3344053		2	RELAY-SPDT V1505 DIESEL
12	3342910		2	BOOT-INSULATOR-RED FOR CIRCUIT BREAKER

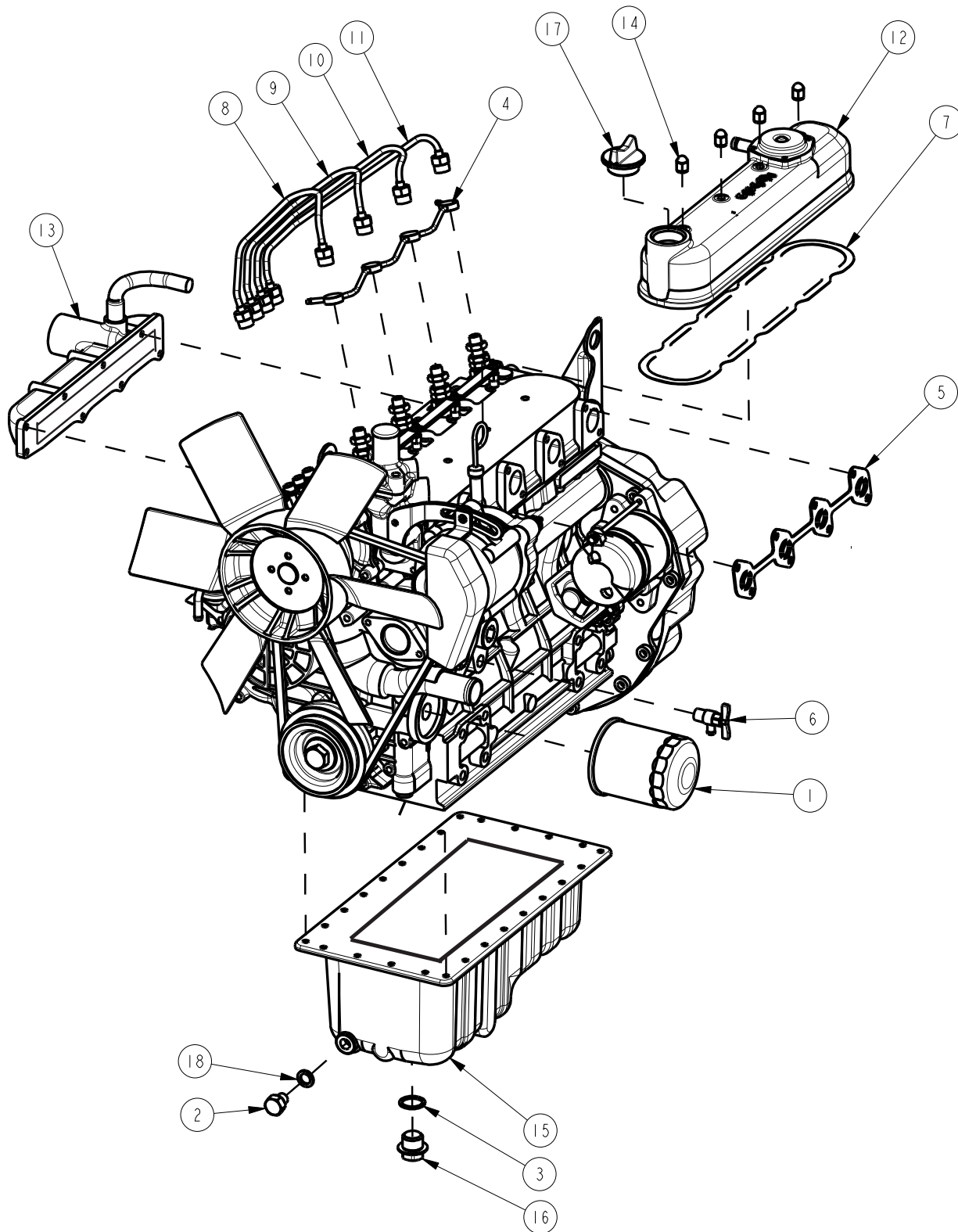
SERVICE PARTS DIESEL ENGINE



SERVICE PARTS DIESEL ENGINE

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3329867		1	BELT-KUBOTA V1505V
2	3329875		1	ALTERNATOR-KUBOTA V1505
3	3330210		1	FAN - KUBOTA V1505 ENGINE 1 PIECE
4	3330792		1	PUMP - WATER, KUBOTA V1505
5	3330793		1	GASKET - KUBOTA V1505 WATER PUMP
6	3331935		1	COVER-BELT
7	3336067		1	STAY-ALTERNATOR
8	3336915		1	GASKET-WATER FLANGE KUBOTA V1505
9	3336918		1	GASKET-THERMOSTAT KUBOTA V1505
10	3336919		1	COVER-THERMOSTAT KUBOTA V1505
11	3336922		1	PULLEY-FAN KUBOTA V1505
12	3336931		1	PIPE-WATER RETURN THERMOSTAT HSG KUBOTA V1505
13	3336932		1	PIPE-WATER PUMP KUBOTA V1505
14	3336933		1	SPACER-FAN 10MM KUBOTA V1505
15	3336934		1	PULLEY-ENGINE KUBOTA V1505
16	3336937		1	BOLT-PULLEY KUBOTA V1505
17	3336939		1	HOUSING-THERMOSTAT KUBOTA V1505
18	3336946		1	PIPE-WATER KUBOTA V1505
19	3336947		1	PLUG-THERMOSTAT HSG KUBOTA V1505
20	3350446		1	THERMOSTAT-KUBOTA V1505

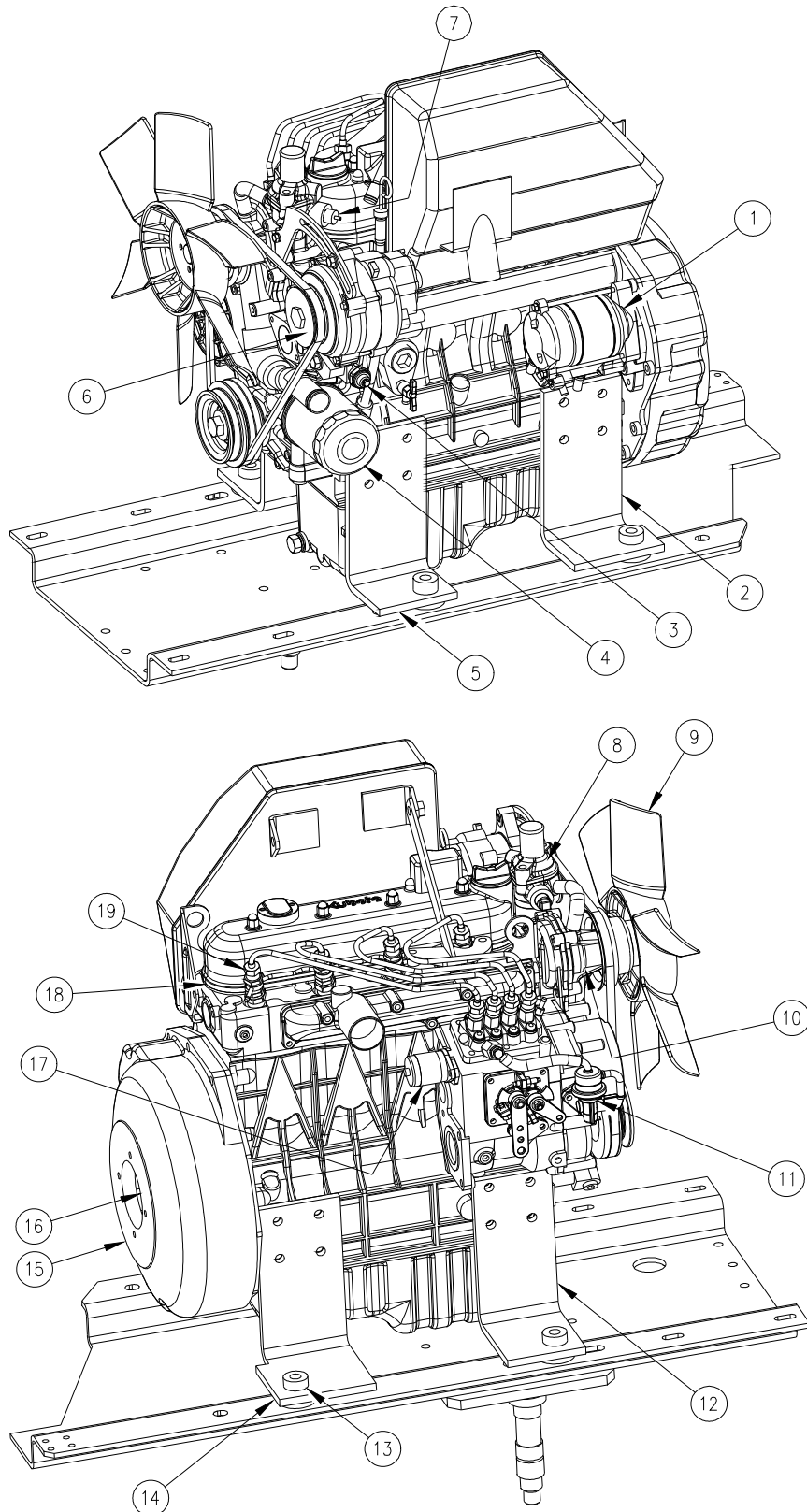
SERVICE PARTS DIESEL ENGINE



SERVICE PARTS DIESEL ENGINE

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3324129		1	FILTER - OIL, 1505/905 KUBOTA DIESEL
2	3331586		1	PLUG-DRAIN
3	3333377		1	GASKET-DRAIN PLUG
4	3333567		1	FUEL LINE-KBA 1505 LEAK OFF LINE
5	3333964		1	GASKET-EX-MANIFOLD KUBOTA V1505
6	3339628		1	ASSY-COCK DRAIN V1505
7	3334278		1	GASKET - VALVE COVER KUBOTA V1505 DIESEL
8	3334995		1	PIPE INJECTION-KUBOTA V1505
9	3334996		1	PIPE INJECTION-KUBOTA V1505
10	3334997		1	PIPE INJECTION-KUBOTA V1505
11	3334998		1	PIPE INJECTION-KUBOTA V1505
12	3336910		1	COVER-CYLHEAD KUBOTA V1505
13	3336911		1	MANIFOLD-INLET KUBOTA 1505
14	3336916		4	NUT-CYLHEAD COVER KUBOTA V1505
15	3336920		1	PAN-OIL KUBOTA V1505
16	3336921		1	PLUG-OIL PAN KUBOTA V1505
17	3336926		1	PLUG-OIL FILLER KUBOTA V1505
18	3336936		1	GASKET-DRAIN PLUG KUBOTA V1505

SERVICE PARTS DIESEL ENGINE

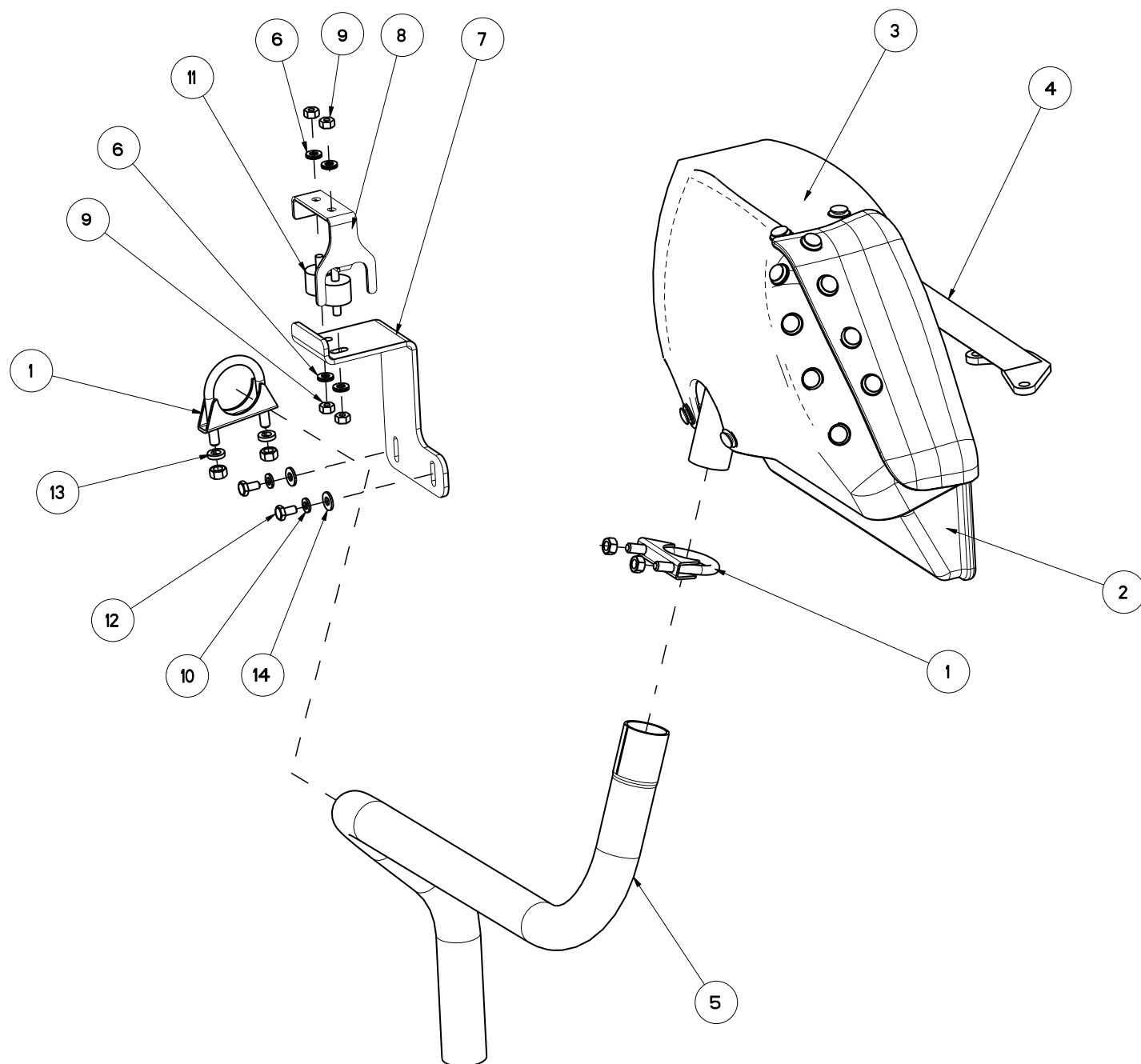


SERVICE PARTS DIESEL ENGINE

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3330402		1	STARTER-KUBOTA V1505, 12V
2	3316962		1	MOUNT-MOTOR, INNER LEFT REAR 9X V1505 KUBOTA DIESEL
3	3341069		1	SENDER-OIL PRESSURE 12V
4	3324129		1	FILTER-OIL, 1505/905 KUBOTA DIESEL
5	3316961		1	MOUNT-MOTOR, LEFT FRONT V1505 KUBOTA DIESEL
6	3329875		1	ALTERNATOR-KUBOTA V1505
7	3341070		1	SENDER-TEMPERATURE 12V
8	3350446		1	THERMOSTAT-KUBOTA V1505
9	3330210		1	FAN-KUBOTA V1505 ENGINE 1 PIECE
10	3330792		1	PUMP-WATER, KUBOTA V1505
11	3330692		1	PUMP-FUEL, KUBOTA V1505 DIESEL
12	3316964		1	MOUNT-MOTOR, RIGHT FRONT 9X V1505 KUBOTA DIESEL
13	3300464		4	ISOLATOR-RUBBER, 1.24 DIAx1.25 LG
14	3316963		1	MOUNT-MOTOR, RIGHT REAR V1505 KUBOTA DIESEL
15	3329957		1	BELL HOUSING-KUBOTA V1505 DIESEL (PUMP MOUNT)
16	3329956		1	COUPLING-KUBOTA DIESEL V1505/D905 HAYES
17	3334549		1	SOLENOID-FUEL SHUT-OFF W/JUMPER
18	3334278		1	GASKET-VALVE COVER KUBOTA V1505 DIESEL
19	3330106		1	INJECTOR-KUBOTA V1505 DIESEL
-	3350329		1	BRACKET-HOSE RETAINER, FRONT, KUBOTA V1505 DIESEL (NOT SHOWN)
-	3333301		1	BRACKET-HOSE RETAINER, REAR, KUBOTA V1505 DIESEL (NOT SHOWN)

EXHAUST DETAIL KUBOTA V1505

BEGINNING SN-18168059

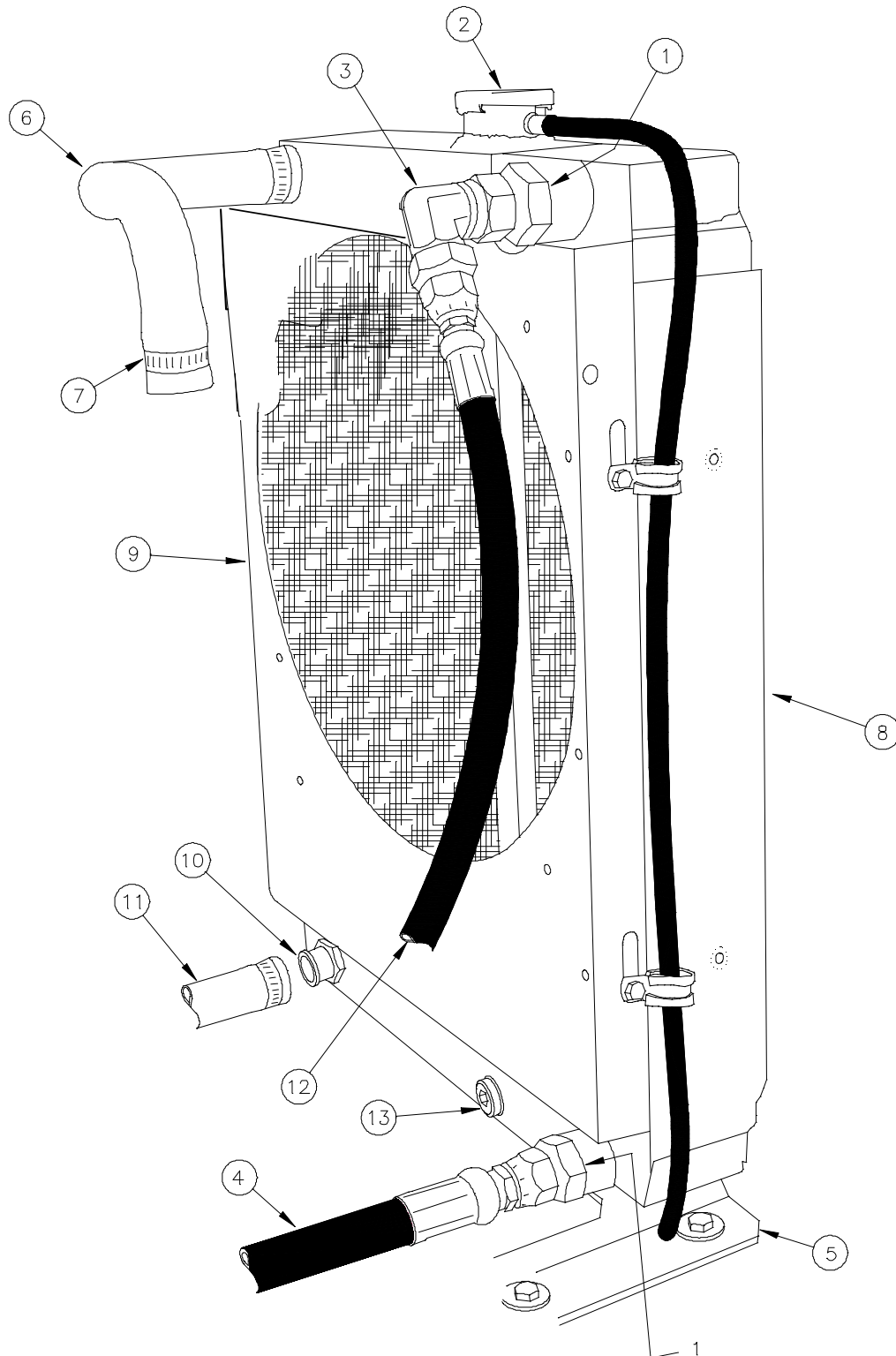


EXHAUST DETAIL KUBOTA V1505

BEGINNING SN-18168059

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3301641		2	CLAMP-EXHAUST 1 1/2
2	3330627		1	MUFFLER-KUBOTA V1505 BOX
3	3330629		1	BLANKET-KUBOTA V1505E BOX EXHAUST
4	EPS2655		1	STAY MUFFLER
5	3335036		1	EXHAUST-KUBOTA V1505 9X
6	3401570-7W		4	WASHER-NORD-LOCK, 1/4, 0.53 OD
7	3336632		1	PLT - EXHAUST MNT BRKT
8	3336633		1	PLT - EXHAUST MNT, UPPER BRKT
9	3400071		4	NUT-HEX 1/4-20
10	3400103		2	WASHER-LOCK 1/4 SPLIT
11	3344112		2	ISO-CYL, 1 DIA X 3/4 X 1/4-20,
12	3400043		2	SCR-HH 1/4-20 X .50 ZINC
13	3400102		2	WASHER-LOCK 5/16 SPLIT
14	3400089		2	WASHER-FLAT 1/4 STANDARD

RADIATOR DETAIL DIESEL

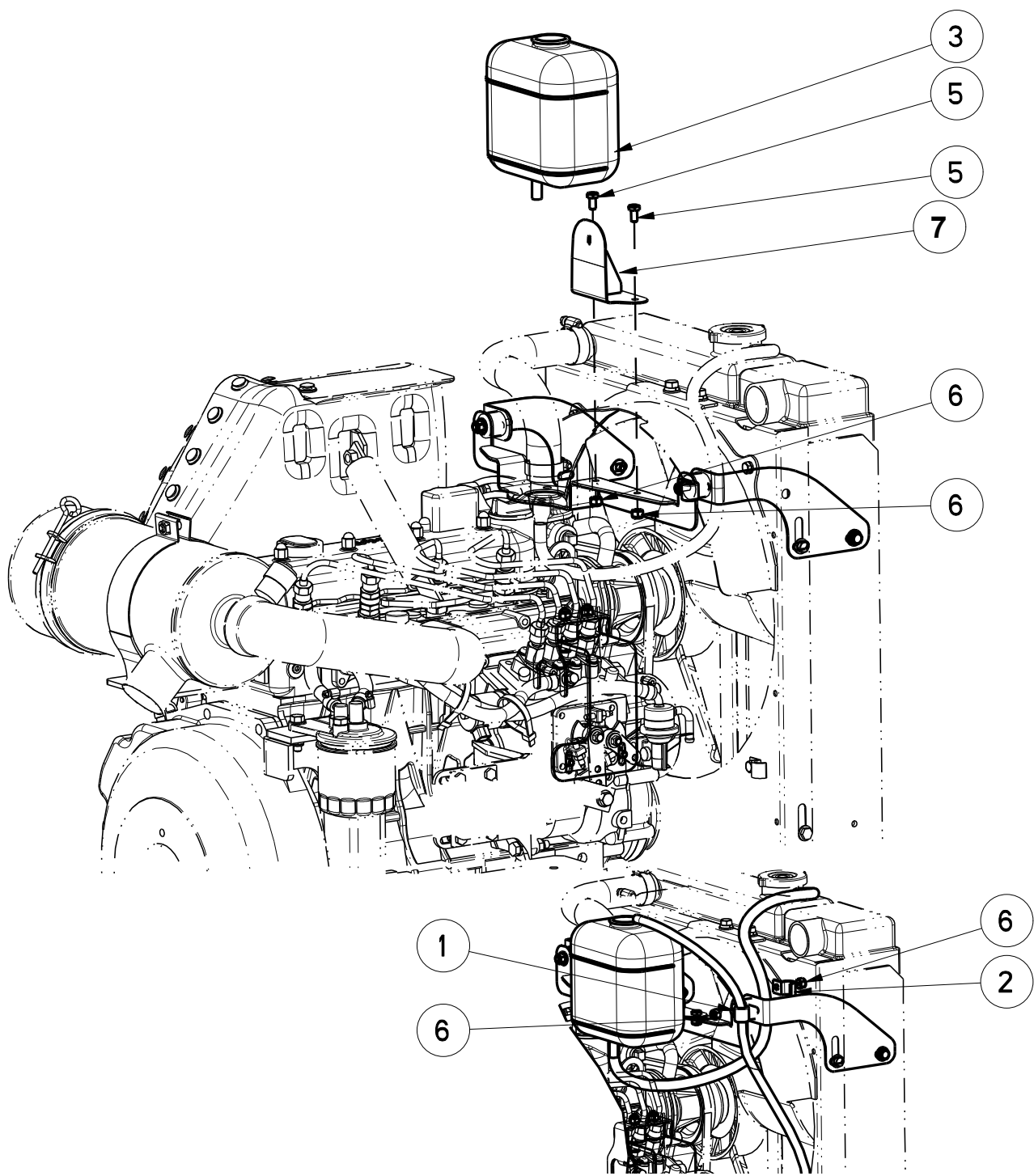


RADIATOR DETAIL DIESEL

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3402003		1	FTG-ADAPTER STRAIGHT #12 TO #16
2	3336527		1	RADIATOR CAP
3	3400636		1	FTG-ADAPTOR SWIVEL NUT ELBOW
4	3334239		1	HOSE-HYD, 3/4AR 163.00 #12ST #12ST
5	3333259		1	MOUNT-RADIATOR HYD W/COOLER
6	3332643		2	HOSE-UPPER RADIATOR, KUBOTA 1505
7	3303255		4	CLAMP-HOSE 1.75 DIA NOMINAL
8	3336103		1	RADIATOR-OIL COOLER COMBO
9	3336522		1	SHROUD-CG13/KUBOTA 1505 RADIATOR
10	3333489		1	FTG-RADIATOR HOSE
11	3332644		2	HOSE-LOWER RADIATOR KUBOTA 1505
12	3334240		2	HOSE-HYD, 1/2 AR 48.00 #12ST #8 90°
13	3333488		1	FTG-PLUG, RADIATOR

RADIATOR COOLANT TANK & MOUNT

BEGINNING SN-18168059



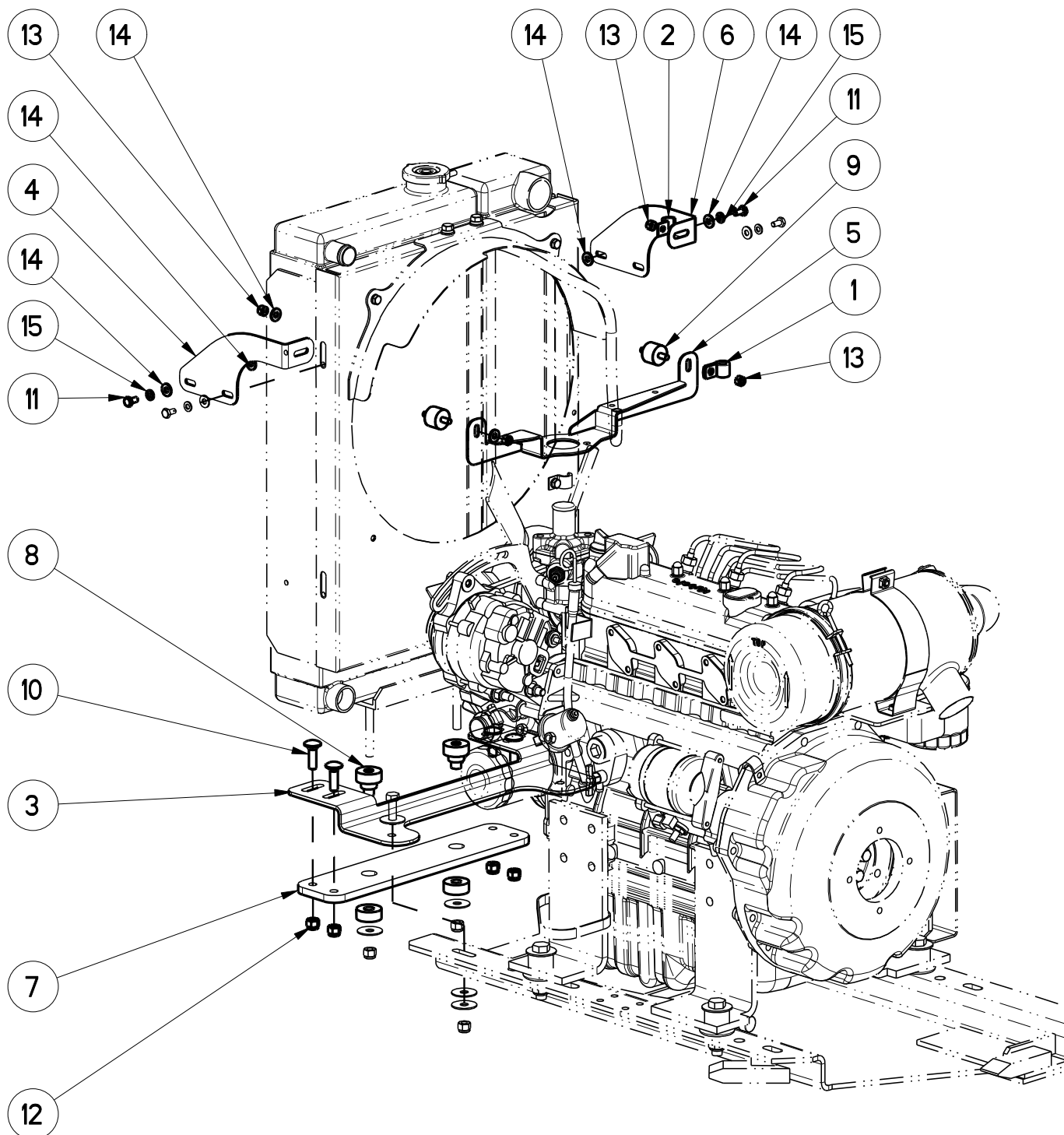
RADIATOR COOLANT TANK & MOUNT

BEGINNING SN-18168059

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3301837		1	CLAMP-CABLE 1/2
2	3302543		1	CLAMP-SADDLE TYPE 5/16" DIA.
3	3344101		1	RESERVOIR 5.5" X 3.5" X 5.5"
4	3344112		4	ISOLATOR- CYLINDRICAL, 1 DIA X 3/4 X 1/4-20,
5	3400043		6	SCR-HH 1/4-20 X .50 ZINC
6	3400081		10	NUT-HEX 1/4-20 ES
7	3336669		1	WELD - BRKT TANK COOLANT OVERFLOW MNT

RADIATOR MOUNTS DETAIL

BEGINNING SN-18168059



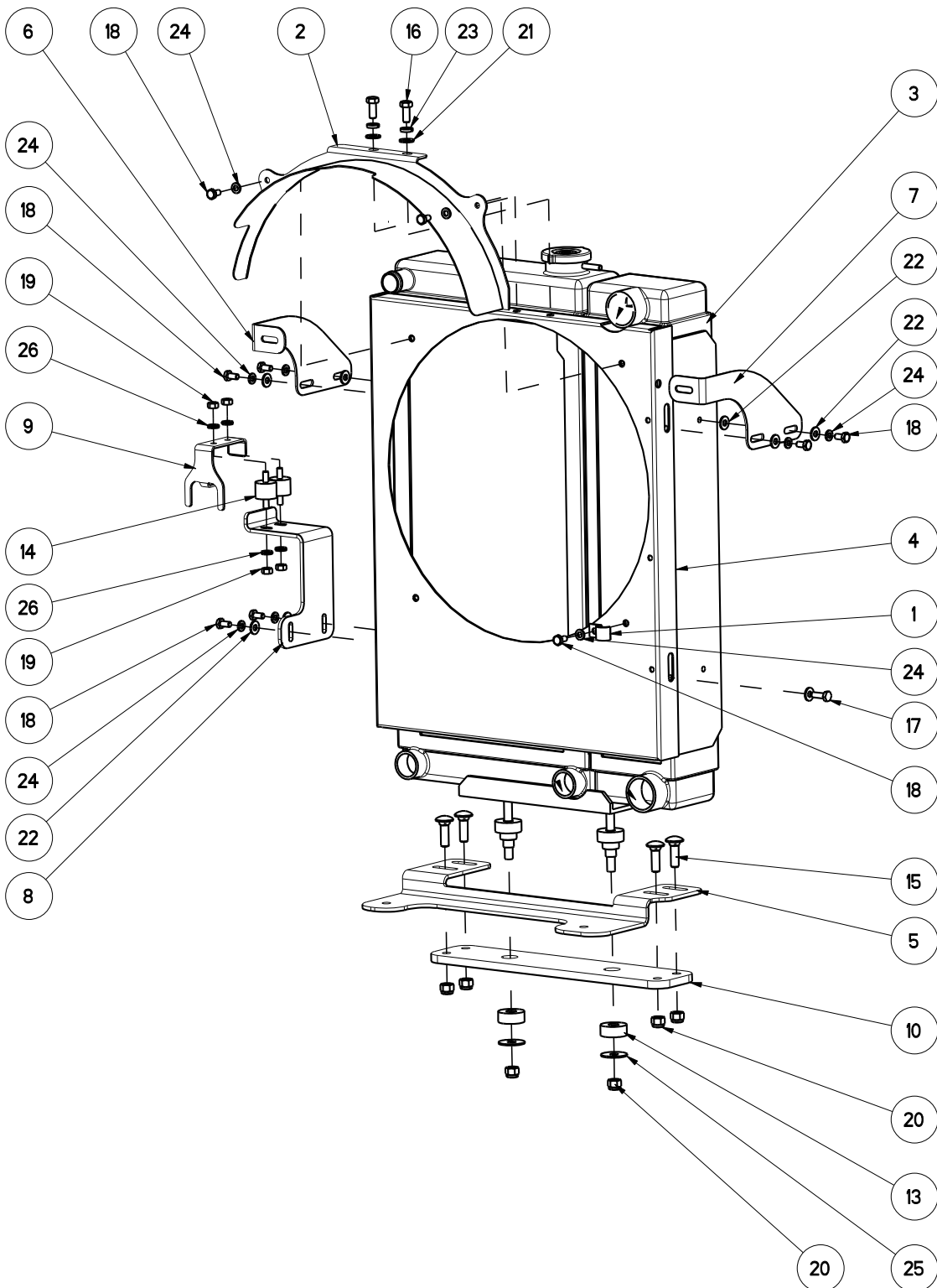
RADIATOR MOUNTS DETAIL

BEGINNING SN-18168059

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3301837		1	CLAMP-CABLE 1/2
2	3302543		1	CLAMP-SADDLE TYPE 5/16" DIA.
3	3336626		1	PLT- BASE, RADIATOR MOUNT
4	3336627		1	PLT-RADIATOR MNT, RH TOP
5	3336628		1	WELD - RADIATOR MNT, UPPER, DS
6	3336629		1	PLT - RADIATOR MNT, LH TOP
7	3336634		1	PLT - RADIATOR MNT
8	3344110		2	ISOLATOR-BONDED BUSHING BOTTOM
9	3344112		4	ISOLATOR- CYLINDRICAL, 1 DIA X 3/4 X 1/4-20,
10	3400007		4	SCR-CAR,3/8-16X1.25
11	3400043		6	SCR-HH 1/4-20 X .50 ZINC
12	3400079		4	NUT-HEX 3/8-16 ES
13	3400081		10	NUT-HEX 1/4-20 ES
14	3400089		8	WASHER-FLAT 1/4 STANDARD
15	3400103		4	WASHER-LOCK 1/4 SPLIT

RADIATOR ASSEMBLY & MOUNTING BRACKETS

BEGINNING SN-18168059



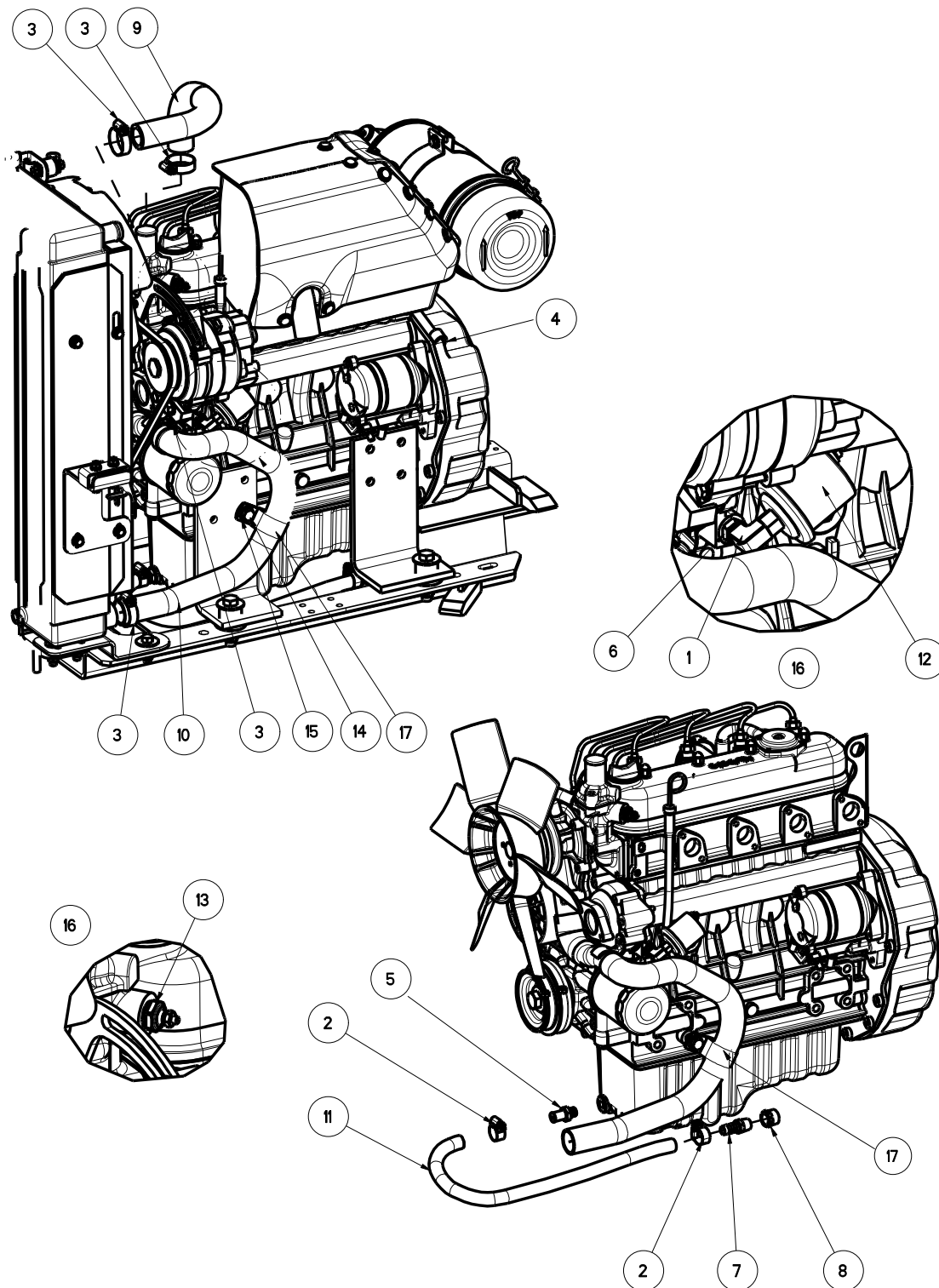
RADIATOR ASSEMBLY & MOUNTING BRACKETS

BEGINNING SN-18168059

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3302543		1	CLAMP-SADDLE TYPE 5/16" DIA.
2	3335129		1	WELD - KUBOTA V1505 SAFETY SHROUD
3	3336103		1	RADIATOR-OIL COOLER COMBO
4	3336522		1	SHROUD-KUBOTA V1505 RADIATOR
5	3336626		1	PLT- BASE, RADIATOR MOUNT
6	3336627		1	PLT-RADIATOR MNT, RH TOP
7	3336629		1	PLT - RADIATOR MNT, LH TOP
8	3336632		1	PLT - EXHAUST MNT BRKT
9	3336633		1	PLT - EXHAUST MNT, UPPER BRKT
10	3336634		1	PLT - RADIATOR MNT
12	3344101		1	RESERVOIR 5.5" X 3.5" X 5.5"
13	3344110		2	ISOLATOR-BONDED BUSHING BOTTOM RADIATOR
14	3344112		2	ISOLATOR- CYLINDRICAL, 1 DIA X 3/4 X 1/4-20,
15	3400007		4	SCR-CAR,3/8-16X1.25
16	3400036		2	SCR-HEX, 5/16-18x0.75
17	3400042		1	SCR-HEX,1/4-20X0.75
18	3400043		9	SCR-HH 1/4-20 X .50 ZINC
19	3400071		4	NUT-HEX 1/4-20
20	3400079		6	NUT-HEX 3/8-16 ES
21	3400088		2	WASHER-FLAT 5/16 IDx.688 ODx.0
22	3400089		9	WASHER-FLAT 1/4 STANDARD
23	3400102		2	WASHER-LOCK 5/16 SPLIT
24	3400103		9	WASHER-LOCK 1/4 SPLIT
25	3400278		2	WASHER-FENDER 3/8
26	3401570-7W		4	WASHER-NORD-LOCK, 1/4, 0.53 OD

RADIATOR ASSEMBLY, CLAMPS, HOSES & SENDERS

BEGINNING SN-18168059



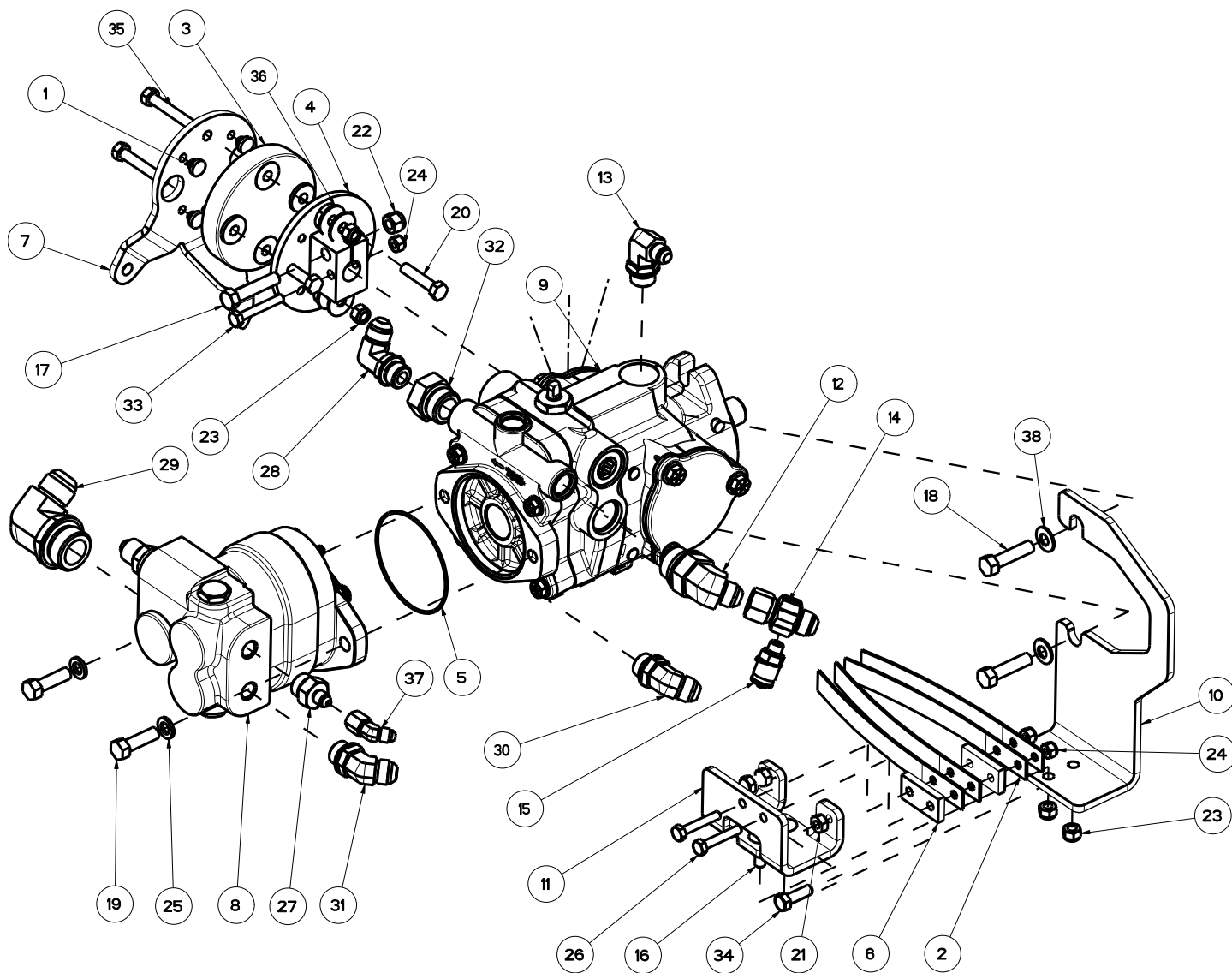
RADIATOR ASSEMBLY, CLAMPS, HOSES & SENDERS

BEGINNING SN-18168059

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3301720		1	FTG-90 ELL 1/8 FPT
2	3302144		2	CLAMP-HOSE 1½ NOM
3	3302193		4	CLAMP-HOSE 1.25 NOM
4	3302543		1	CLAMP-SADDLE TYPE 5/16" DIA.
5	3303961		1	FTG-OIL PAN DRAIN KUBOTA
6	3305640		1	FTG-NIPPLE 1/8BPT-1/8NPT BRASS
7	3307829		1	FTG-HOSE BARB 1/2 X 3/8 MPT
8	3307830		1	FTG-CAP 3/8 FPT
9	3332643		1	HOSE-RAD UPPER 1505
10	3332644		1	HOSE-RAD LOWER 1505
11	3335639		1	HOSE - 1/2" ID X 24" PCV OIL DRAIN
12	3341069		1	SENDER-OIL PRESSURE 12V
13	3341070		1	SENDER-TEMPERATURE 12V
14	3400293		2	SCR-HEX,10MMX1.25PX20MM
15	3400385		1	WASHER-CONICAL SPRING 3/8
16	3401122		0.100	565 PST. Thrd Slnt 50ml (WHITE LOCTITE 565)
17	3402005		1	CLAMP-HOSE SUPPORT

PROPULSION PUMP, AUXILIARY PUMP & RETURN SPRINGS

BEGINNING SN-18168059

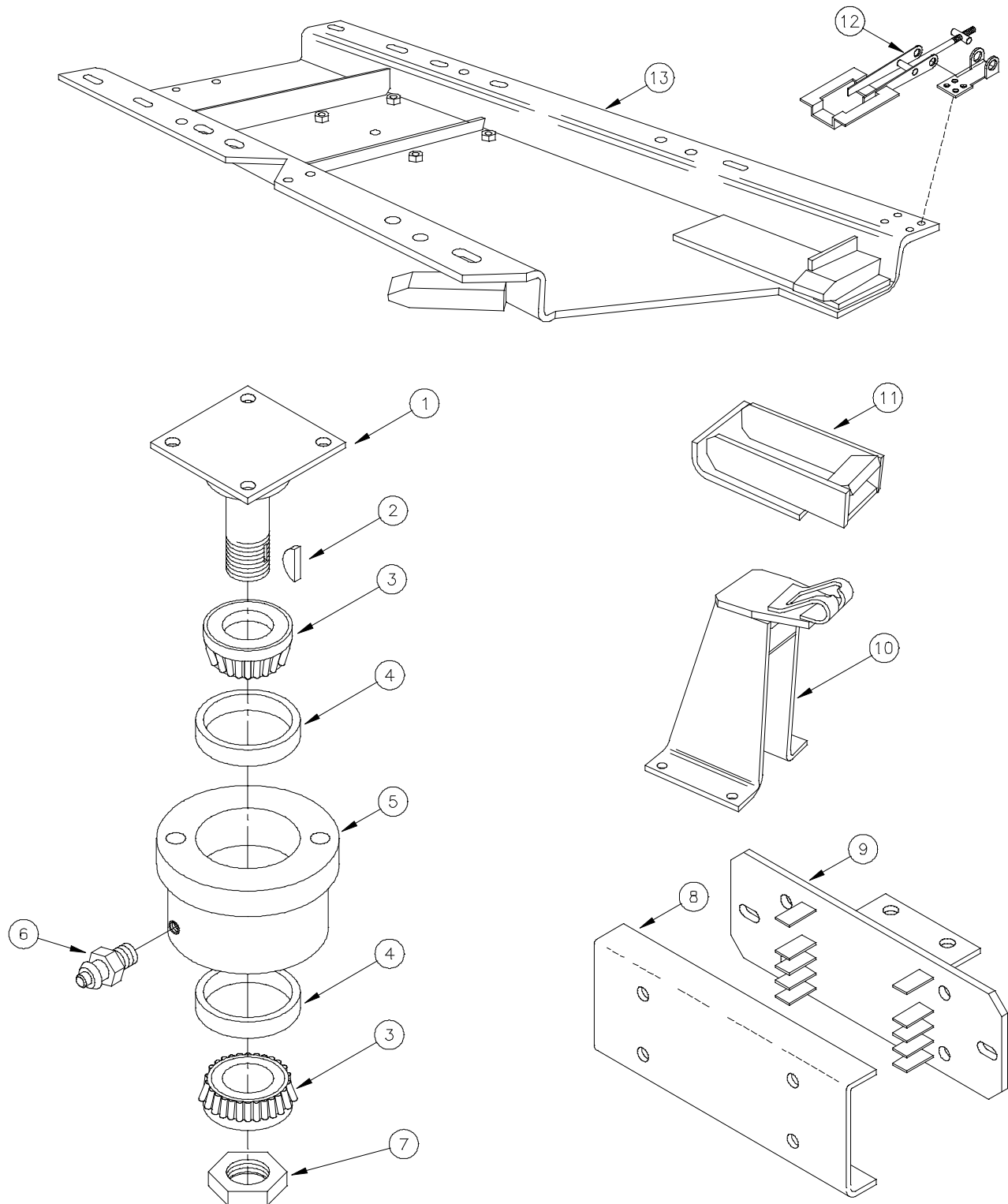


PROPULSION PUMP, AUXILIARY PUMP & RETURN SPRINGS

BEGINNING SN-18168059

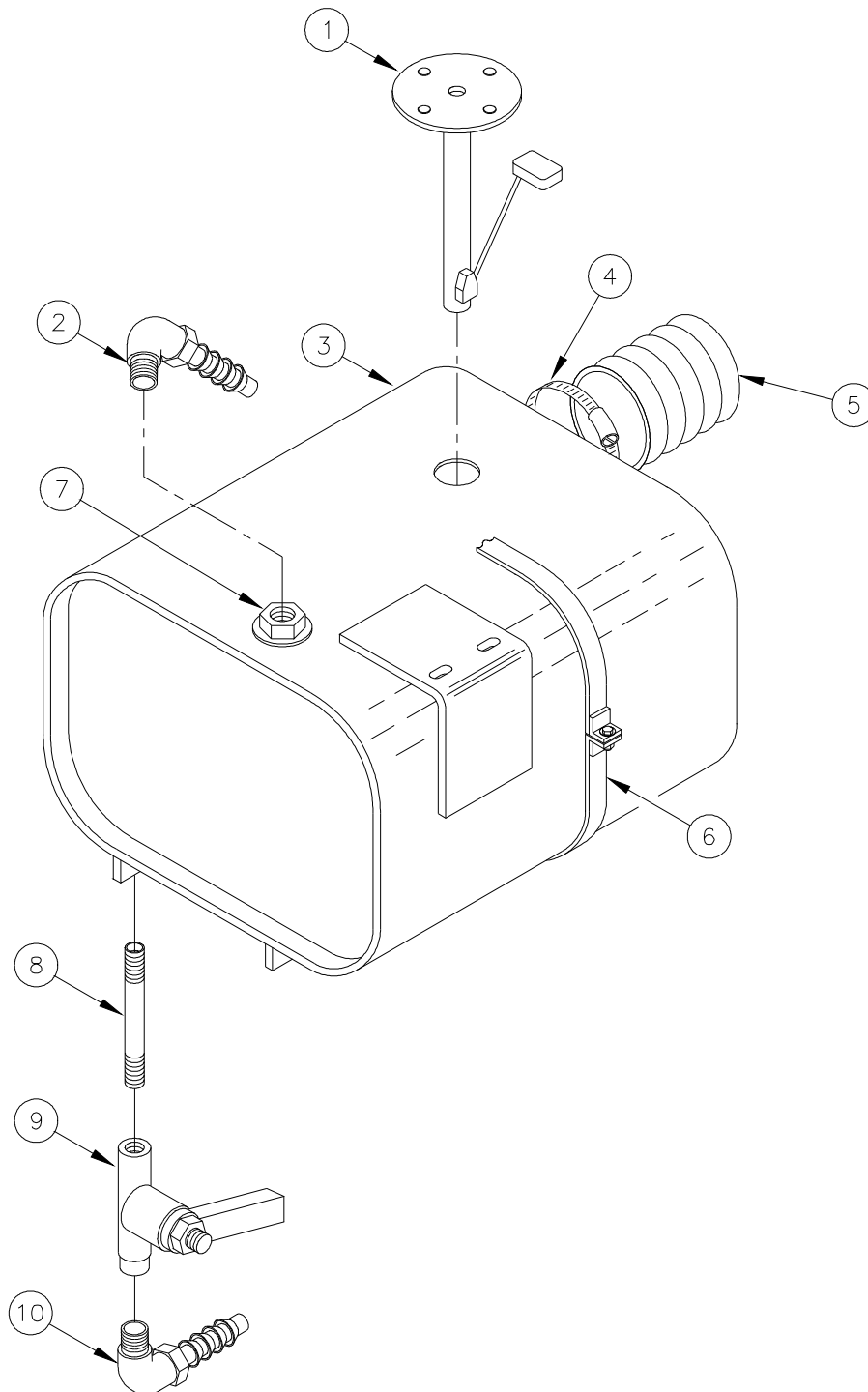
ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3300526		8	BUMPER-RUBBER 1/4 ID X 1/8 THK
2	3300543		4	SPRING-FWD/REV RETURN
3	3301507		1	COUPLING-RUBBER, DIR CONTROL
4	3301544		1	WELD-DISC FWD/REV
5	3303711		1	O RING-STATIC SEAL 3.239 ID
6	3303918		2	SPACER-FWD/REV BRACKET
7	3307219		1	PLT-DIRECTIONAL CONT PLTD
8	3321397		1	PUMP-HYDRAULIC AUX W/FLOW DIVIDER
9	3335072		1	PUMP-PISTON, VARIABLE, 1.44 CI
10	3335200		1	PLT - FWD/REV SPRING MNT V1505
11	3335301		1	BRACKET - FWD/REV . 9X
12	3335709		1	FTG-45° 1-1/16-12 X 1/2", STR#12-JIC37°#8
13	3341130		1	FTG-90 3/4-16 TO #6
14	3342204		1	FTG-GAUGE PORT
15	3342205		1	COUPLING-TEST 4 MALE 0-ROMG (7/16-20)
16	3400009		2	SCR-CAR,5/16-18X1.00
17	3400027		1	SCR-HEX,3/8-16X1.75
18	3400028		2	SCR-HEX,3/8-16x1.50
19	3400029		2	SCR-HEX, 3/8-16x1.25
20	3400033		2	SCR-HEX,5/16-18X1.50
21	3400069		2	NUT-HEX 5/16-24
22	3400079		1	NUT-HEX 3/8-16 ES
23	3400080		6	NUT-HEX 5/16-18 ES
24	3400081		3	NUT-HEX 1/4-20 ES
25	3400101		2	WASHER-LOCK 3/8 SPLIT
26	3400149		2	SCR-HEX,1/4-20x1.50
27	3400150		1	FTG-STR 3/4-16 TO #4
28	3400154		1	FTG-90 3/4-16 TO #8
29	3400156		1	FTG-90 1 5/16-12 TO #16
30	3400157		1	FTG-45° 3/4-16 TO #8
31	3400158		1	FTG-45° 7/8-14 TO #8
32	3400167		1	FTG-ADAPTER 1 1/6-12 EXT
33	3400173		1	SCR-HEX,1/4-20X1.75
34	3400221		2	SCR-HEX,5/16-24X1.00
35	3400231		2	SCR-HEX,5/16-18X2.0
36	3400233		4	WASHER-FENDER 5/16 1.00 OD
37	3400248		1	FTG-SWIVEL 45 ELL #4JIC 1/4
38	3400385		2	WASHER-CONICAL SPRING 3/8

ENGINE PAN, HYD.HOSE RETAINER & LATCH



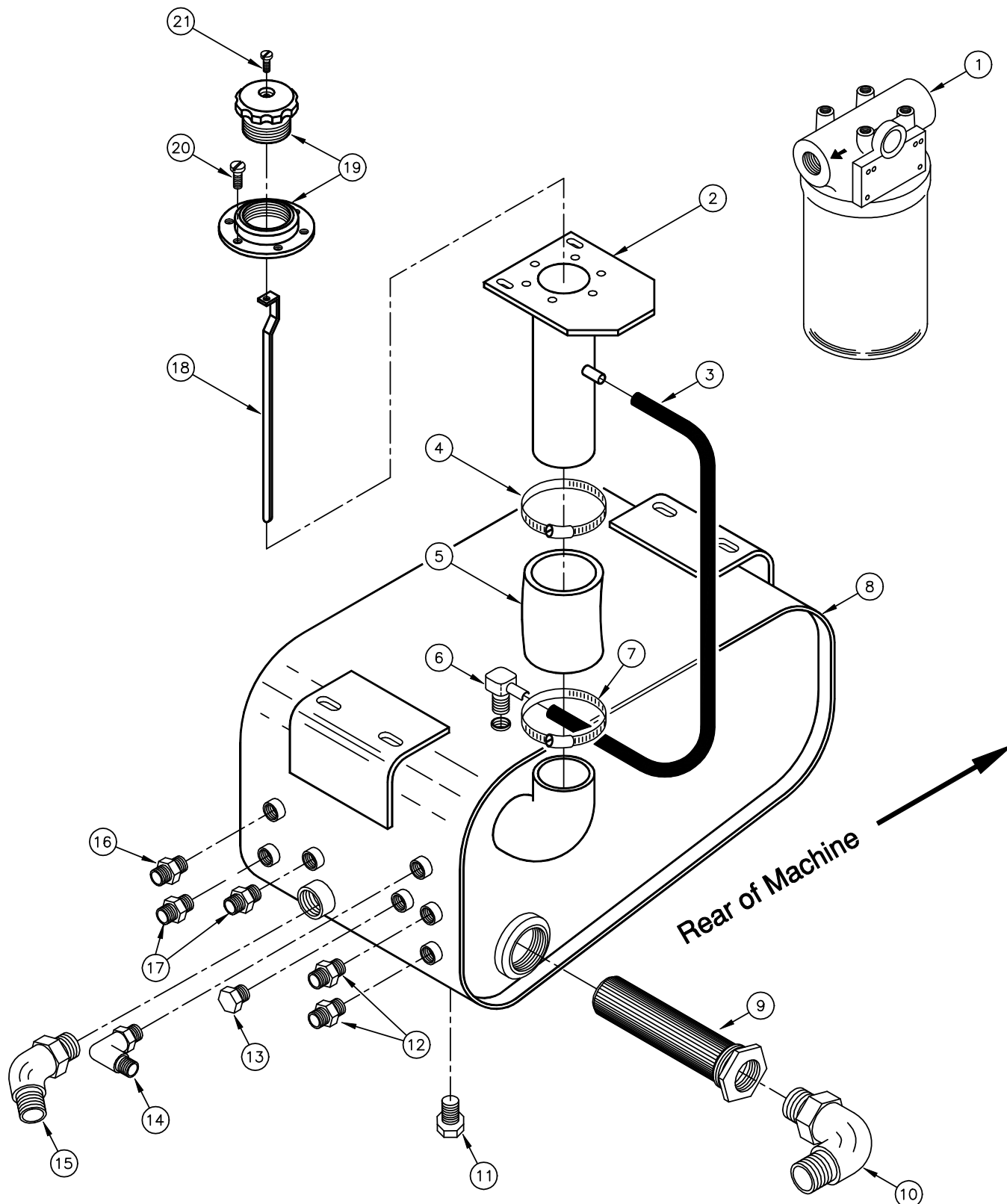
ENGINE PAN, HYD.HOSE RETAINER & LATCH

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3334951		1	WELDMENT-ENGINE PIVOT
2	3301718		1	KEY-1/4x1/4x.75
3	3300471		1	BEARING-TAPERED ROLCONE W/SEAL
4	3300470		1	BEARING-TAPERED ROL CUP
5	3307326		1	BEARING MOUNT-ENGINE PIVOT
6	3400012		1	FTG-GREASE, ϕ 3/16
7	3400083		1	NUT-HEX JAM, 1 1/4-12 ES
8	3333303		1	COVER-HOSE RETAINER SHORT
9	3333302		1	WELDMENT-HOSE RETAINER
10	3335208		1	WELDMENT-ENGINE CATCH OUTER
11	3335183		1	WELDMENT-ENGINE CATCH INNER
12	3307377		1	LATCH-ENGINE ,
13	3334994		1	WELD-ENGINE PAN,



ITEM	PART NO.		REQ'D	DESCRIPTION
	Diesel	Gasoline		
1	3300388		1	SENDER-FUEL W/CORK GASKET
2		3402006	1	FTG-90 ELL 5/16 HOSE X 1/8 NPT
2	3402022		1	FTG-90 1/4 MPT X 1/4 HOSE BARB
3	3307575		1	TANK-FUEL, 7.64 US GAL,
4	3044112		1	CLAMP-HOSE, SS, 2.50 MAX
5	3303577		1	HOSE-RUBBER, 2.00IDx3.50 LG
6	3307731		1	STRAP-FUEL TANK ()
7	3304622		1	FTG-REDUCER 1/4 MPTx1/8 FPT
8	3400498		1	FTG-BRASS NIPPLE, 1/4 NPTx2.0 LG
9	3400499		1	VALVE-MINATURE 1/4 FPT BALL
10	3400793		1	FTG-90° 3/8 BARBx1/4 NPT
*	3307066	3307081	1	SUB ASSEMBLY (INCLUDES ITEMS 1-10)

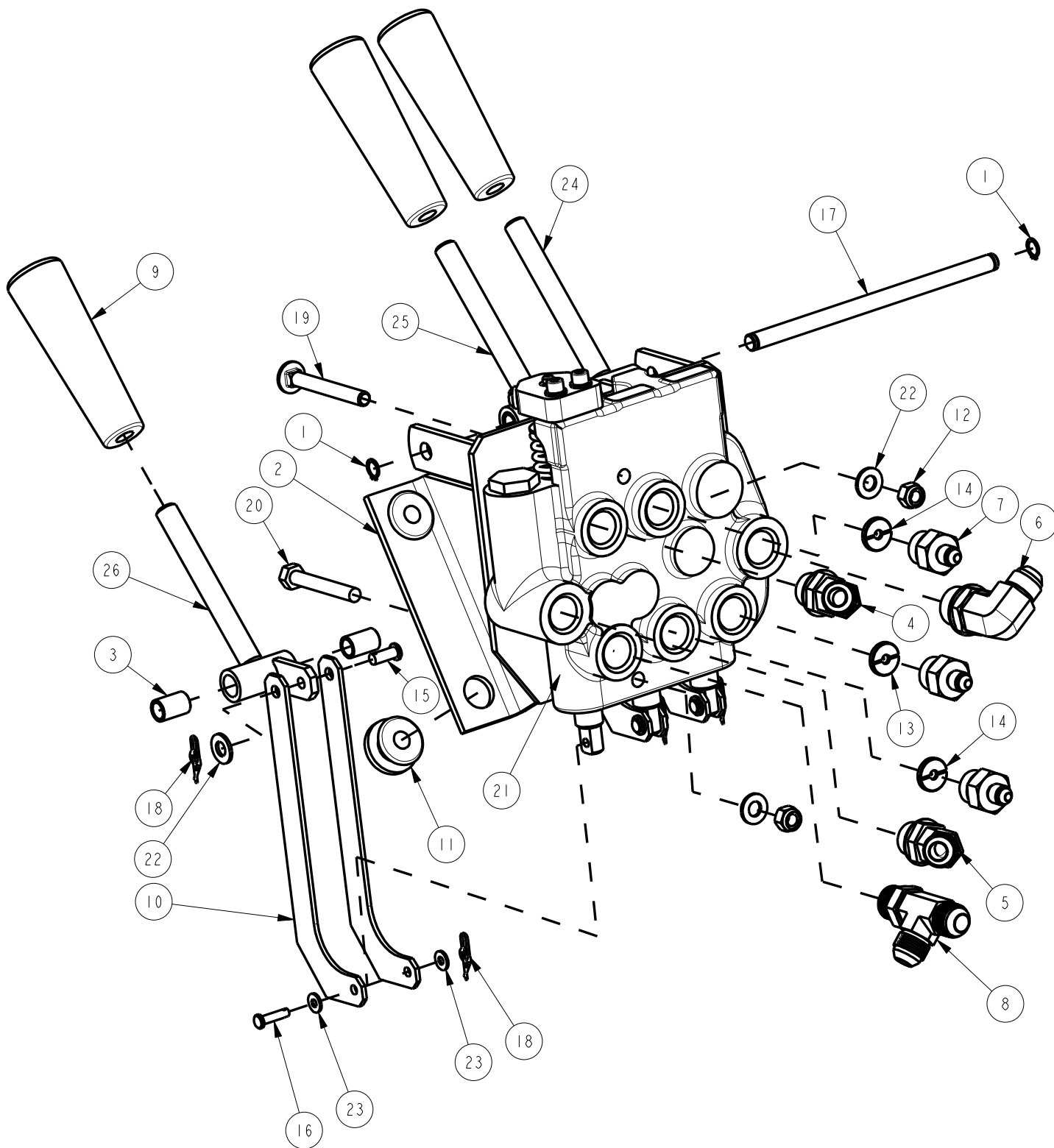
HYDRAULIC FILTER, STRAINER & BREATHER CAP



HYDRAULIC FILTER, STRAINER & BREATHER CAP

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3335773		1	SUB-HYD FILTER SW/9X (FILTER, MOUNT & FITTINGS)
-	3300359		1	FILTER-HYDRUALIC OIL (FILTER ONLY)
-	3304899		1	FTG-ADAPTER, 3/4-16 TO 1/2 OD TUBE (NOT SHOWN)
-	3400167		1	FTG-ADAPTER, 1 1/6-12 EXT TO (NOT SHOWN)
-	3400632		1	FTG-ADAPTER, RUN TEE 1-1/16-12 (NOT SHOWN)
-	3400636		1	FTG-ADAPTER, SWIVEL NUT 90° ELBOW (NOT SHOWN)
2	3310072		1	WELDMENT-HYD FILL TUBE
3	3302703		1	HOSE-VACUUM LINE, 1/8
4	3044112		1	CLAMP-HOSE, SS, 2.50 MAX WORM
5	3303577		1	HOSE-RUBBER, 2.00IDx3.50 LG
6	3307778		1	FTG-90° 1/8MPTx1/4 BARB
7	3044112		1	CLAMP-HOSE, SS, 2.50 MAX WORM
8	3335759		1	RESERVOIR-HYDRAULIC, 7.5 US GAL (8X,9X,10X)
9	3343836		1	STRAINER-HYDRAULIC TM-14
10	3400917		1	FTG-90° DEG MALE ELBOW
11	3400164		1	FTG-PLUG 3/4-16 O RING
12	3304899		2	FTG-ADAPTER 3/4-16 TO 1/2 OD TUBE
13	3400453		1	FTG-PLUG 9/16-18 O-RING STEEL
14	3400152		1	FTG-90° 1/2-20 TO #5
15	3332571		1	FTG-STR THREAD O RING 45° EL
16	3400871		1	FTG-C5315 X 6 X 5
17	3306875		2	FTG-ADAPTOR 1/2-20 TO 5/16 OD
18	3307580		1	DIPSTICK-HYD RESEVOIR
19	3305576		1	ASSEMBLY-HYD OIL FILTER BREATHER
20	3400044		6	SCR-HEX,#10-32X0.75
21	3400045		1	SCR-PAN,#8-32X0.62,SLT
-	3335773		1	RESERVOIR SUB (Includes Items 6-21)

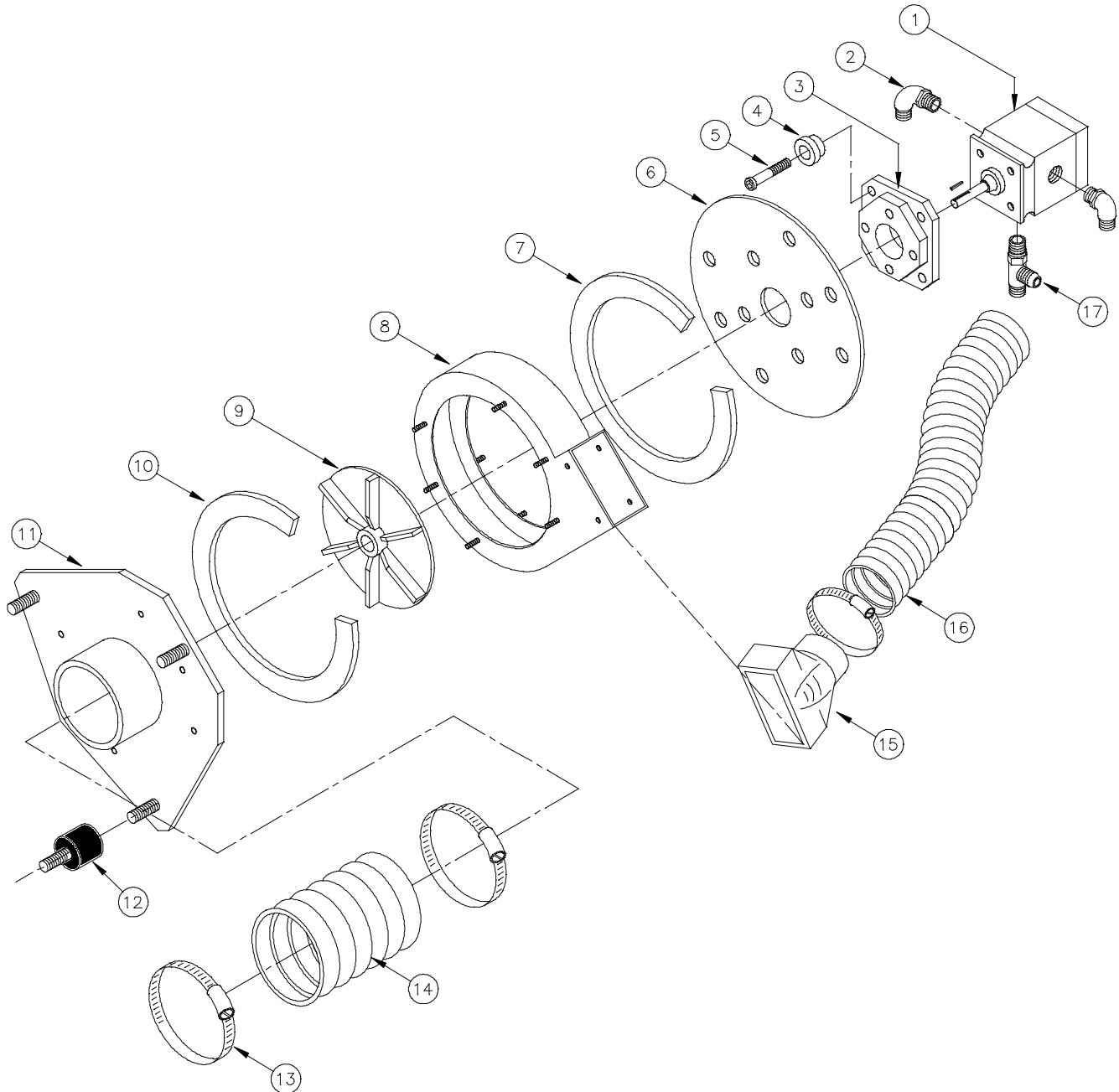
VALVE BODY LINKAGE, HANDLES & FITTINGS



VALVE BODY LINKAGE, HANDLES & FITTINGS

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3300548		2	3/8" RETAINING RING
2	3307196		1	ASSY - CNTRL VALVE MNT.
3	3303996		6	BEARING - PLASTIC 1/2" O.D. X 3/8" ID X .75 LG
4	3400157		1	FTG-45 3/4-16 TO #8
5	3400158		1	FTG-45 3/4-16 TO #8
6	3400155		1	FTG-90 EL 8JIC X 10MORB
7	3400150		3	FTG-ADAPTER STRAIGHT 4MJIC X 8MORB
8	3400163		1	FTG-TEE OFFSET 3/4-16 TO #8
9	3300558		3	KNOB-TAPERED #145 BLACK
10	3307206		6	LINK - HYD. VALVE
11	3300465		4	MOUNT-ISOLATOR
12	3400080		2	NUT-HEX 5/16-18 ES ZP
13	3309354		1	ORIFICE - BRASS #332, .041" DIA
14	3301683		2	ORIFICE - BRASS #334, .043" DIA
15	3400425		3	PIN-CLEVIS 1/2 X 5/8 ZP
16	3400426		3	PIN-CLEVIS 3/16 X 3/4
17	3300884		1	ROD - PIVOT CONTROL VAVLE
18	3400742		6	RUE RING-1/4 HEAVY ZP
19	3400369		1	SCR - CAR, 5/16-18X2.75 ZP
20	3400038		1	SCR-HEX 5/16-18X2.25
21	3307433		1	VALVE - HYD CONTROL 3-SPOOL
22	3400088		5	WASHER 5/16 ID .688 OD X .065 THK
23	3400096		6	WASHER-FLAT #8 ZP
24	3307201		1	WELD - HANDLE CONT VLV 1
25	3307202		1	WELD - HANDLE CONT VLV 2
26	3307203		1	WELD - HANDLE CONT VLV 3

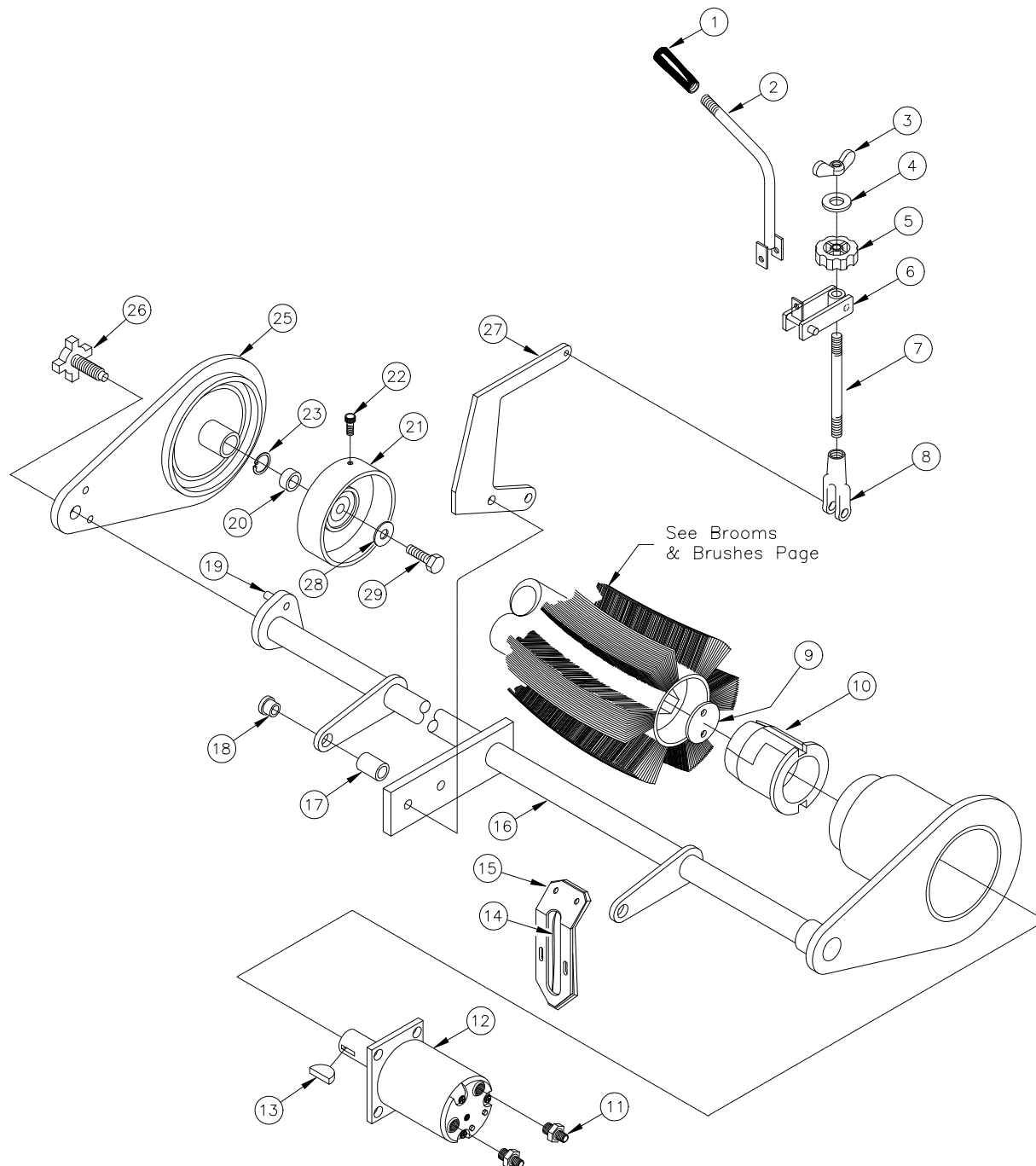
IMPELLER MOTOR, IMPELLER HOSE & IMPELLER BLADE



IMPELLER MOTOR, IMPELLER HOSE & IMPELLER BLADE

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3316832		1	MOTOR-HYDRAULIC, .323CI, CCW ROTATION, IMPELLER
2	3400154		2	FTG-90° 3/4-16 TO #8
3	3307152		1	MOUNT-IMPELLER MOTOR
4	3300465		4	ISOLATOR-RUBBER, .375 IDx.81 OD
5	3400028		4	SCR-HEX 3/8-16x1.50"
6	3322121		1	MOUNT-IMPELLER MOTOR, CIRCULAR
7	3500246		2.5'	GASKET-OPEN CELL 1/8x3/4
8	3307004		1	SHROUD-IMPELLER,
9	3307003		1	IMPELLER-8.88" DIA, ARMA BALANCED
10	3500246		2.5'	GASKET-OPEN CELL 1/8x3/4
11	3308765		1	INTAKE-IMPELLER MOUNTING 9X
12	3333915		3	ISOLATOR-RUBBER, φ1.5x1" LG, 3/8-16 THREAD
13	3300351		3	CLAMP-HOSE, 4.5" DIA, SS
14	3307767		1	HOSE-IMPELLER, φ4"x7.5" LONG
15	3315347		1	TRANSITION-PLASTIC IMPELLER EXHAUST
16	3318203		1	HOSE-IMPELLER EXHAUST, 3.5"IDx62" LONG
17	3400844		1	FTG-STRAIGHT THREAD RUN TEE w/O-RING

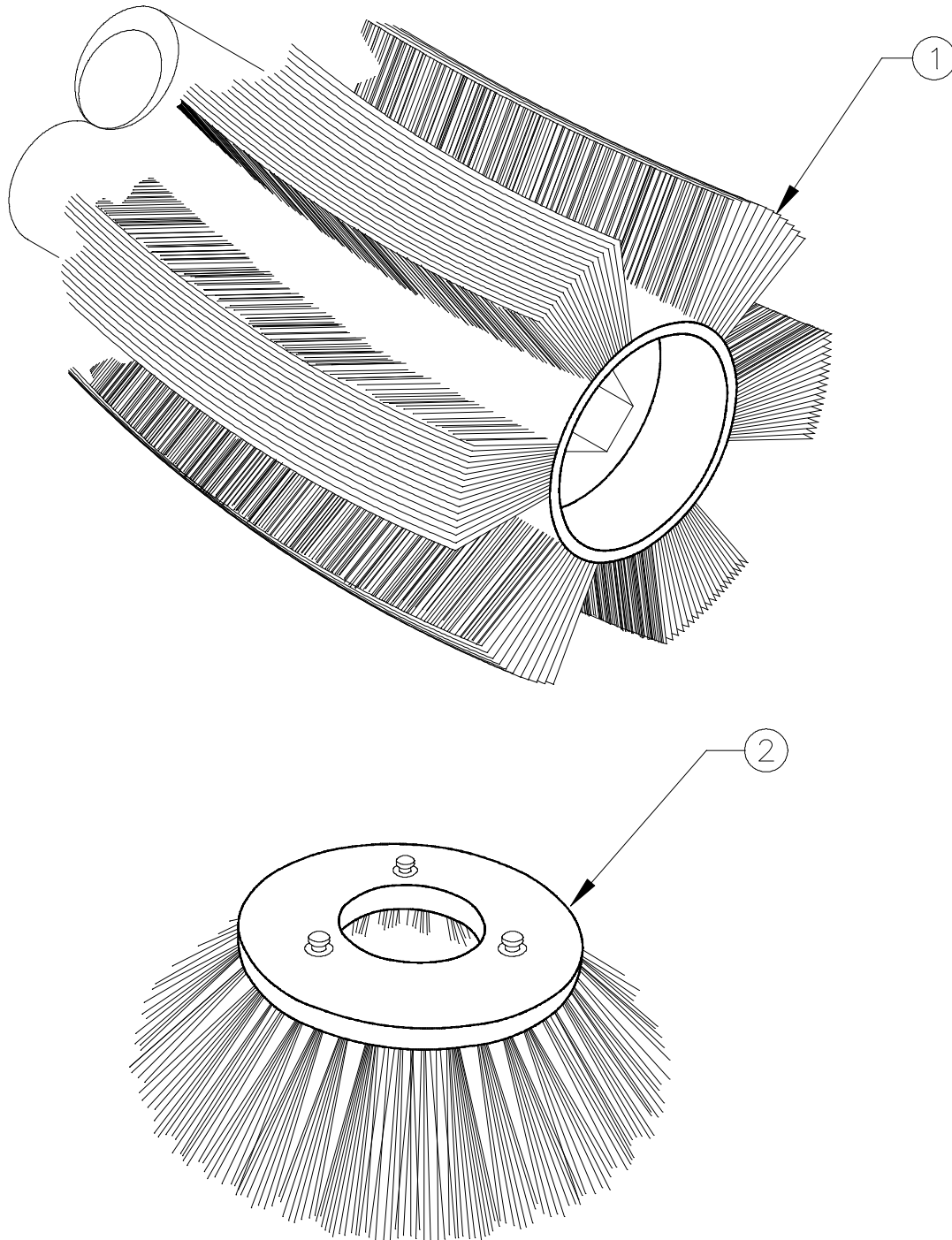
HYDRAULIC BROOM MOTOR, BROOM ROD & LINKAGE LEVERS



HYDRAULIC BROOM MOTOR, BROOM ROD & LINKAGE LEVERS

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3300558		1	KNOB-PLASTIC TAPERED #145 BLACK
2	3334987		1	WELDMENT-MAIN BROOM LEVER
3	3400084		1	NUT-WING 1/2-13
4	3400091		1	WASHER-FENDER 1/2
5	3300352		1	KNOB-MAIN BROOOM LIFT ADJUST
6	3335112		1	WELDMENT-MAIN BROOM PIVOT LIFT
7	3334984		1	ROD-LIFT MAIN BROOM
8	3301447		1	CLEVIS-CABLECRAFT AC-218
9	3301285		1	RETAINER-MAIN BROOM DRIVER HUB
10	3301050		1	HUB-MAIN BROOM DRIVE
11	3400151		1	FTG-STRAIGHT 7/8-14 TO #8
12	3316898		1	MOTOR-HYD MAIN BROOM
13	3330338		1	KEY-SHAFT D-FOSS CB/MB/SC MOTORS
14	3307337		3'	GASKET-MAIN BROOM ARM
15	3307338		3'	RETAINER-GASKET MAIN BROOM ARM
16	3307207		1	WELDMENT-MAIN BROOM ARM
17	3307181		1	SPACER-MAIN BROOM
18	3300432		2	BUSHING-FL-52-4
19	3300021		2	PIN-DOWL ϕ .38x1.25 LONG
20	3305667		1	BEARING-MAIN BROOM
21	3305642		1	HUB-BROOM IDLER
22	3400047		1	SCR-SOCKET, 5/16-18x0.75
23	3305666		1	RING-RETAINING MAIN BROOM
25	3305795		1	WELDMENT-ARM MAIN BROOM IDLER WB
26	3400748		1	KNOB-HAND 1/2-13x1-1/2 DOG POINT
27	3307214		1	PLATE-LIFT ARM MAIN BROOM
28	3400091		1	WASHER-FENDER 1/2
29	3400022		1	SCR-HEX, 1/2-13X1.25

SIDE BROOM & MAIN BROOM



SIDE BROOM & MAIN BROOM

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1	3305818		1	BROOM-48"HIGH DEN FIBER & WIRE
1	3305812		1	BROOM-48" NYLON
1	3305665		1	BROOM-48" HIGH DENSITY NYLON
1	3305814		1	BROOM-48" NYLON CHEVRON (PATROL)
1	3315315		1	BROOM-48"STIFF NYLON
1	3305663		1	BROOM-48" PROEX & WIRE
1	3305824		1	BROOM-48" CRINKLE WIRE
1	3332456		1	BROOM-48" STIFF POLY & WIRE
2	3300308		1	BROOM-SIDE 24" WHITE NYLON
2	3300306		1	BROOM-SIDE 24" DIA. BLACK POLY
2	3300309		1	BROOM-SIDE 26" WHITE NYLON
2	3300307		1	BROOM-SIDE 26" BLACK POLY
2	3300311		1	BROOM-SIDE 26" WIRE

Main Broom User's Guide

Proex & Wire - Slightly encrusted soilage & dusty conditions. High heat.

Nylon - General purpose broom with long life bristles.

Poly Proex - All purpose broom that stands up well on rough surfaces.

High Density Nylon - Highly effective for small particle soilage. Severe dust environments.

Crinkle Wire - Stiff bristles for compacted grime, oil, grease or mud. Fair to good broom life.

Natural Fiber & Wire - Good all around broom. Good for high heat applications.

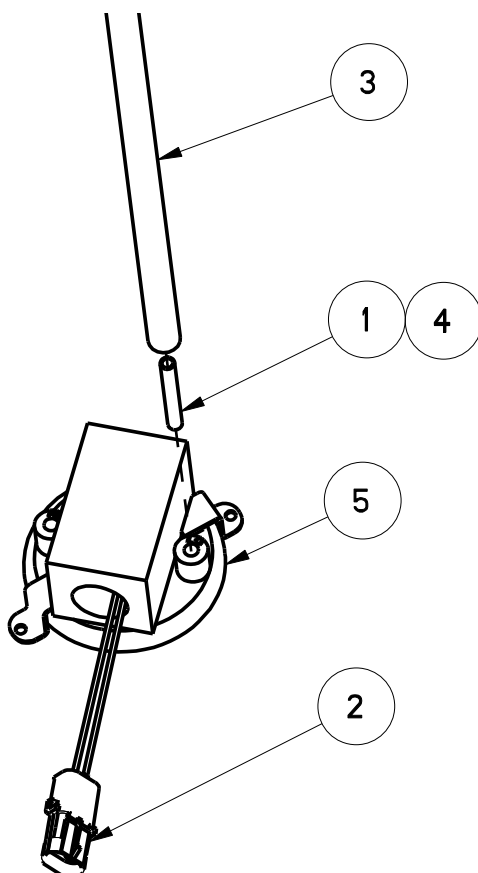
Side Broom User's Guide

Poly - Stiff bristles for aggressive sweeping of mainly heavy litter. Not suited for high heat.

Nylon - Provides longest life. Recommended for tough sweeping jobs.

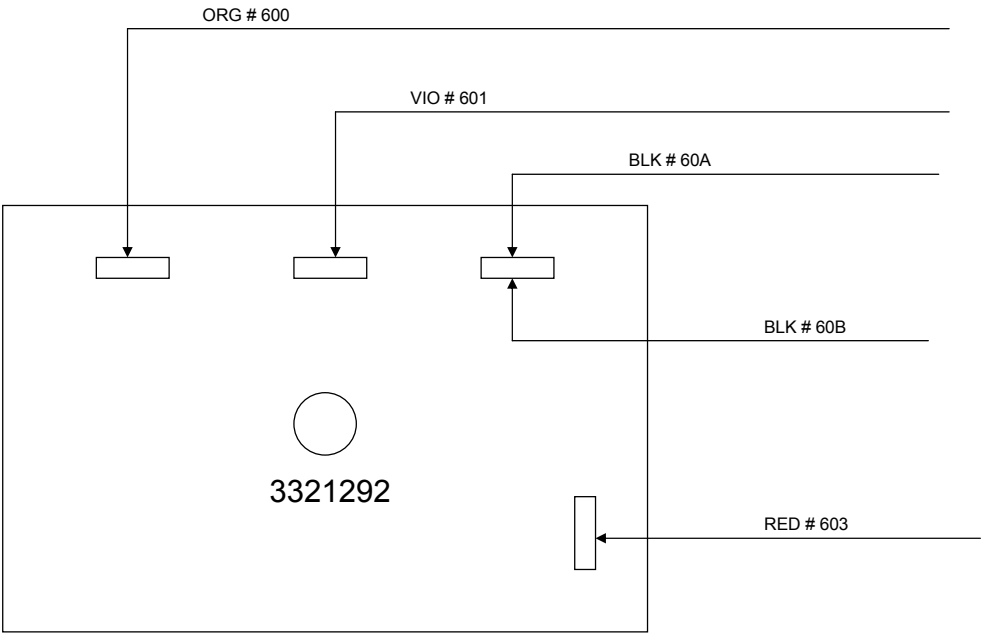
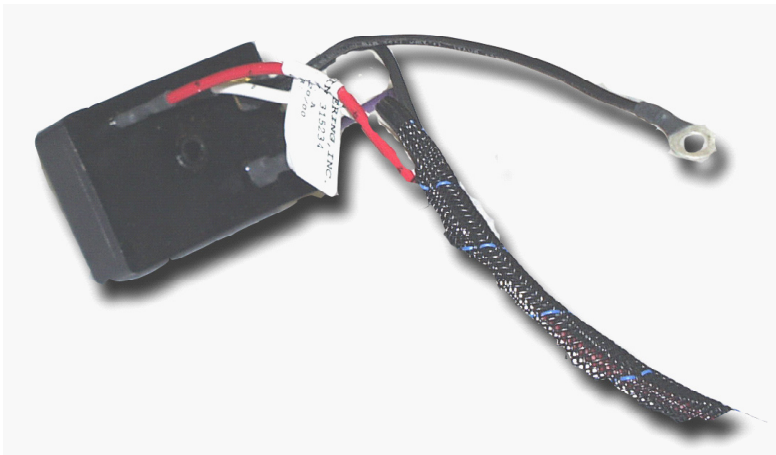
Wire (flat) - For areas of heavy grease build up or scarifying action. Used in high heat applications.

VACUUM SWITCH (Standard on 9XV / Optional on 9XR)



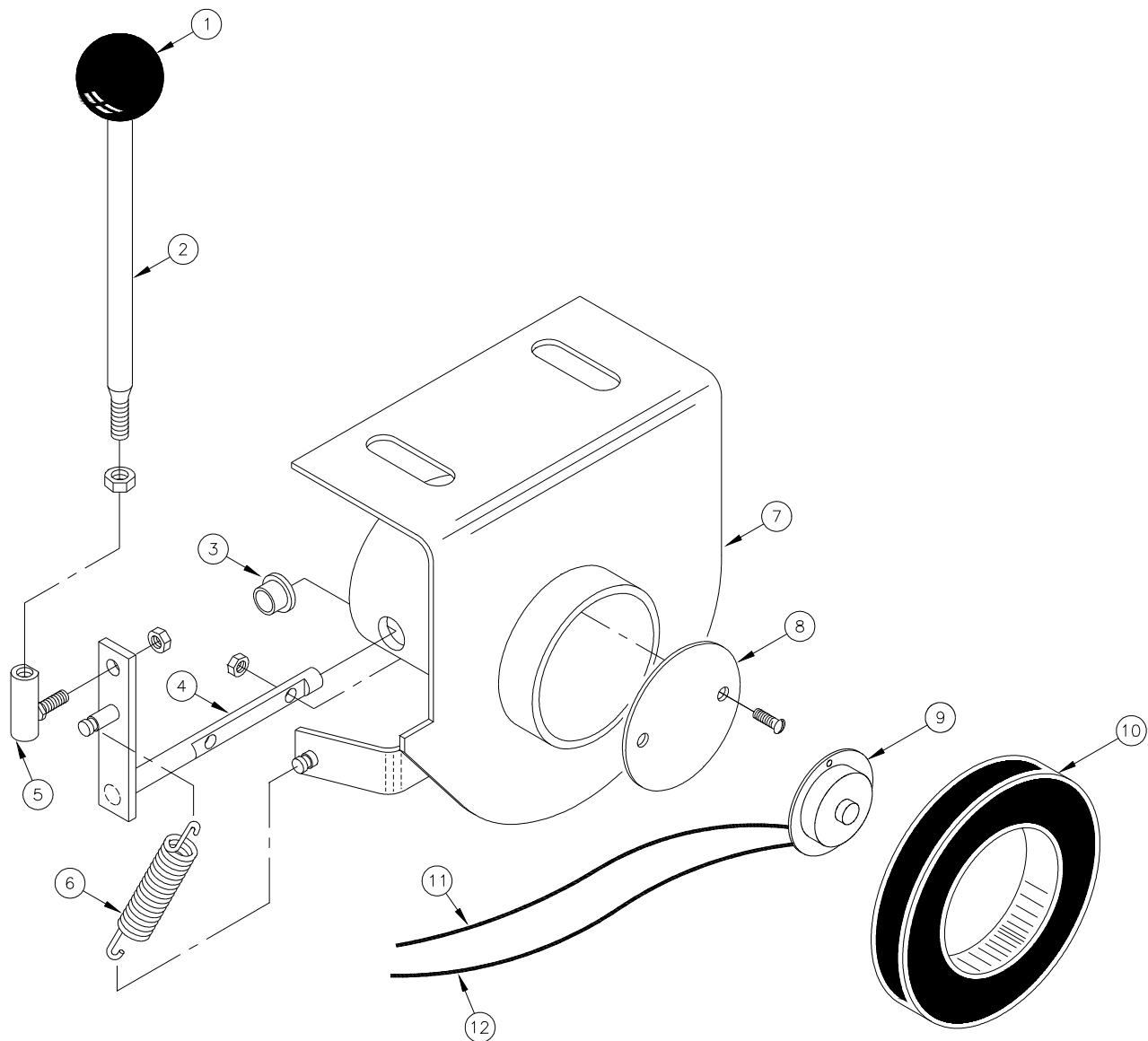
ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1		3303105	1	FTG-NIPPLE 1/8"MPT X 2.00 LG
2		3335480	1	HARNESS-EXTENSION, 2 PIN CONN TO #10 RING (3310089)
3		3335532	1	HOSE-5/16 ID X 10.50 CLOGGED FILTER
4		3401122	0.1	SEALANT-THREADED PIPE, 565 PST
5		3303327	1	SWITCH-PRESSURE, SERIES
6		3400315	2	SCR-HEX,#10-32X0.50 (Not Shown)
7		3400172	2	NUT-HEX JAM #10-32 ES (Not Shown)

TIMER-FILTER SHAKER SEALED (Standard on 9XV / Optional on 9XR)



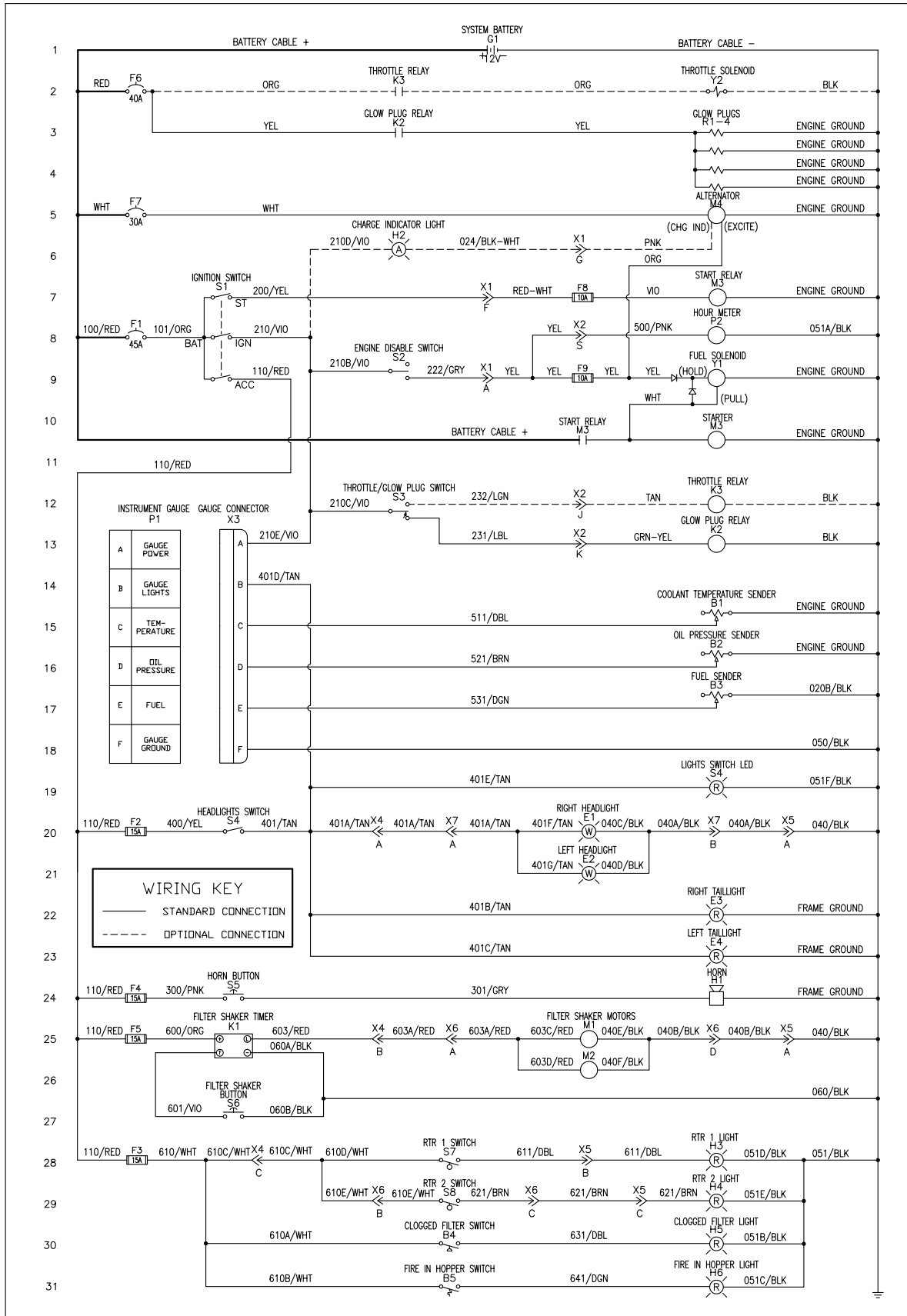
ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1		3321292	1	TIMER-FILT SHAKER SEALED/MANUAL

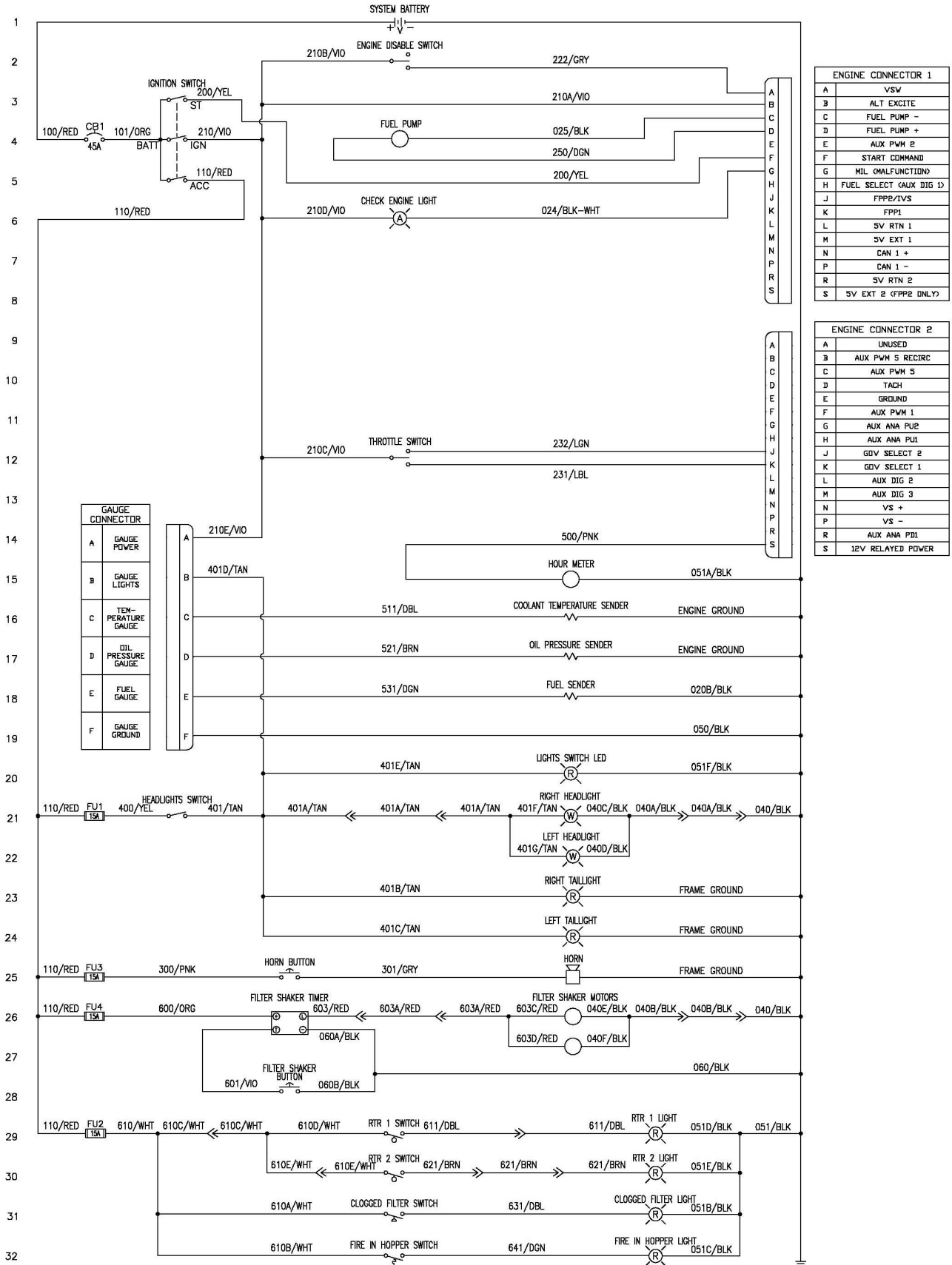
SHOWN WITH WET SWEEP BYPASS & HOPPER FIRE DETECTOR
(Assembly as Shown Is Standard on 9XV / Optional on 9XR)

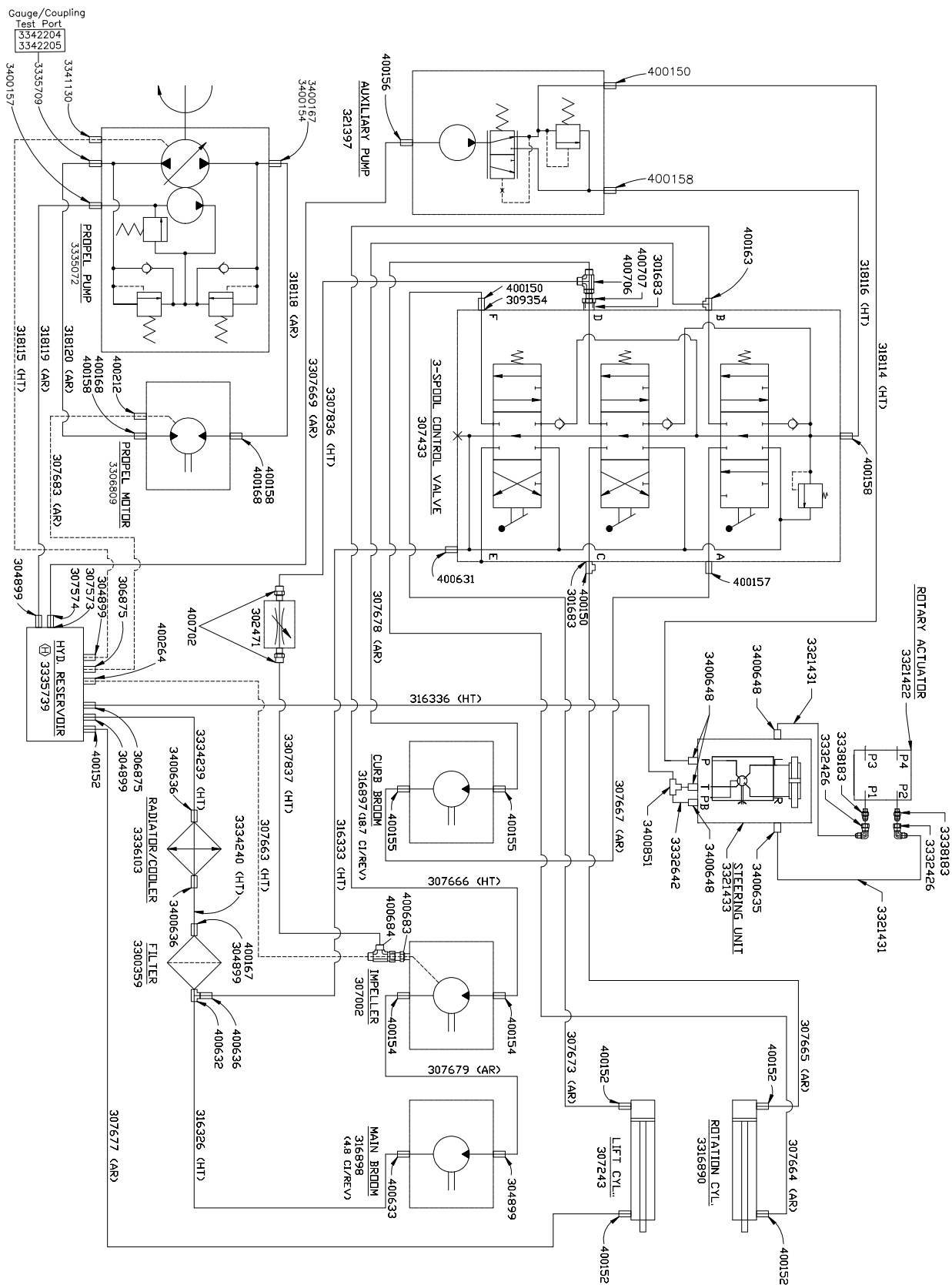


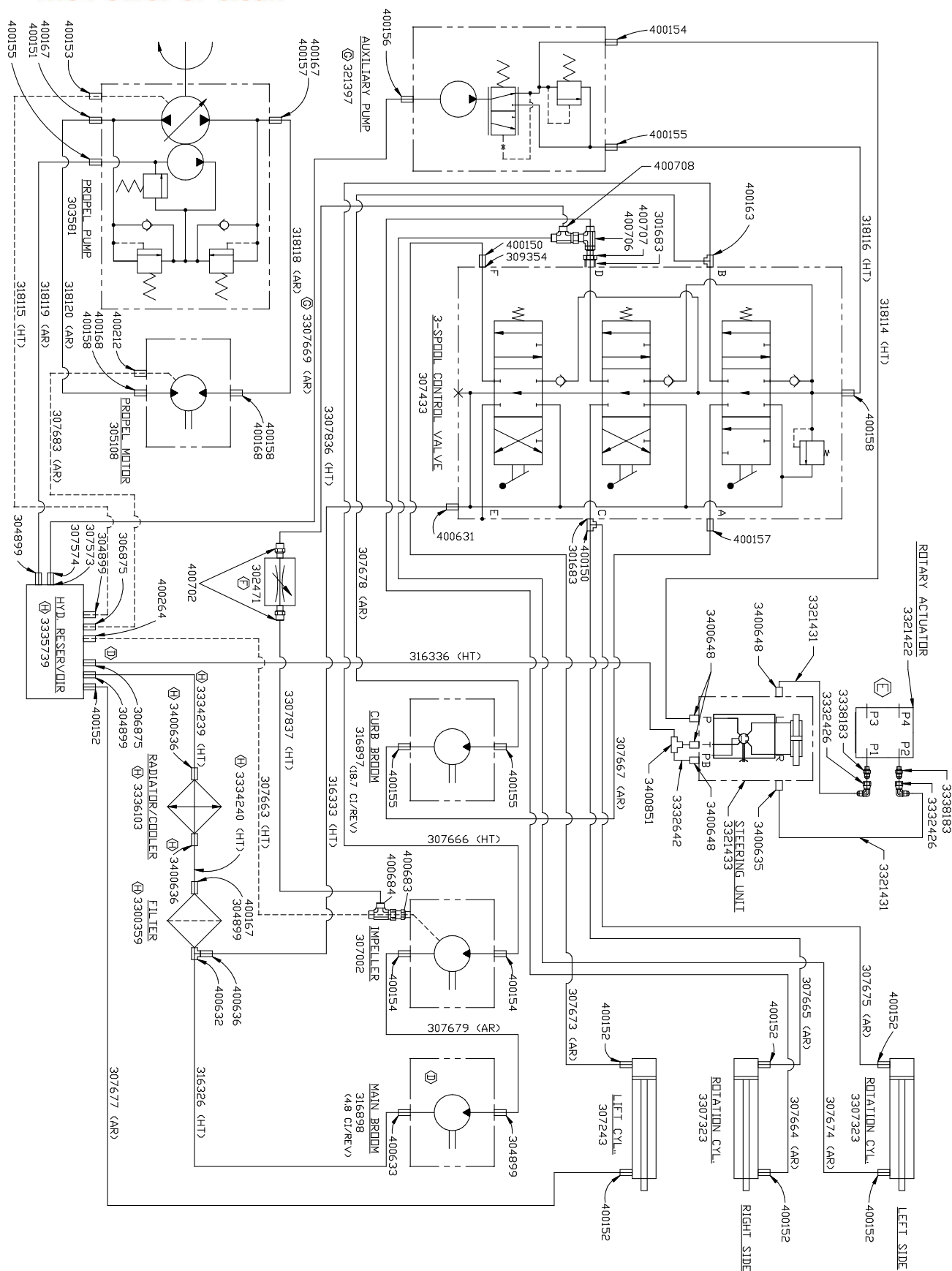
SHOWN WITH WET SWEEP BYPASS & HOPPER FIRE DETECTOR
(Standard on 9XV / Optional on 9XR)

ITEM	PART NO.		REQ'D	DESCRIPTION
	9XR	9XV		
1		3300563	1	KNOB-PLASTIC BALL 1" DIA, BLACK
2	3318473	3307173	1	ROD-IMPELLER BAFFLE
3		3300414	2	BUSHING-PLASTIC, 3/8IDx1/2OD
4		3307155	1	WELDMENT ROD GASKET MOUNT BAFFLE
5		3301199	1	BALL JOINT-1/4-28
6		3304160	1	SPRING-EXTENSION, 2.00 LG
7	3307182		1	WELDMENT-GASKET MOUNT,
8		3301498	1	DAMPER-HOPPER SHUTOFF,
9		3303003	1	DETECTOR-HEAT, 135°F TRIP (57°C), THERMOSTATIC TYPE
10	3307005		1	GASKET-IMPELLER
11		3310099	1	HARNESS-FIRE IN HOPPER INDICATOR
12		3317148	1	HARNESS-FIRE IN HOPPER INDICATOR
-		3303729	1	GROMMET-RUBBER, .25IDx.56ODx.12 GROOVE (Not Shown)
-	3333734		1	GASKET MOUNT SUB 9XR (Includes Items 1-12)
-		3307018	1	GASKET MOUNT SUB 9XV (Includes Items 1-12)









PART #	DESCRIPTION	Additional Info	QTY/ REQ
	TIRES		
	FRONT	650 X 10	
3307252	Pneumatic	STANDARD	2
3307253	Inner Tube	1 PER SIDE	2
3307330	Soft Shoe	OPTIONAL	2
3307324	Solid Rubber	OPTIONAL	2
	REAR	690 X 9	
3307256	Pneumatic	STANDARD	1
3307257	Inner Tube		1
3307331	Soft Shoe	OPTIONAL	1
3307325	Solid Rubber	OPTIONAL	1
	FILTERS DUST CONTROL		
3334070	Dust Control Panel Filter Poly	STANDARD	2
	FILTERS ENGINE AIR CLEANER		
3302842	Element Primary	DEISEL ENGINE	1
3302597	Element Safety	DEISEL ENGINE	1
3321143	Element Primary Radial Seal	LP / GAS	1
3322572	Element Safety Radial Seal	LP / GAS	1
	FILTERS ENGINE OIL		
3342201	GM 1.6L	LP / GAS	1
3324129	Kubota V-1505	DEISEL ENGINE	1
	FILTER ENGINE FUEL		
3303324	Kubota V1505	DEISEL ENGINE	1
	FILTERS HYDRAULIC		
3300359	Hydraulic Oil Filter		1
3305978	Hydraulic Reservoir Breather Cap		1
	MAIN BROOMS		
3305818	High Density Natural Fiber & Wire		1
3305812	Nylon		1
3305665	Nylon (High Density)		1
3305814	Nylon (Patrol Broom)		1
3315315	Nylon (Stiff)		1
3305663	Proex & Wire		1
3305824	Crinkle Wire		1
3332456	Stiff Poly & Wire		1

Wear items replacement parts based on (795) Seven Hundred & Ninety Five hours of yearly usage. Per Unit (3) Three hours daily (5) Five days per week making a (265) Two Hundred & Sixty Five day work calendar.

PART #	DESCRIPTION	Additional Info	QTY/ REQ
	MAIN BROOM SKIRTS, FLAPS, & SEALS		
3307280	Flap Broom Door		2
3307720	Flap Hopper Front		5
3307842	Flap Hopper Side		2
3307278	Flap Rear Feed Inner		1
3307273	Flap Rear Outer		1
3307276	Seal Hopper Frame		1
3318143	Seal Hopper Side		2
3318739	Gasket Weather Stripping for Broom Door	With adhesive Backing order per foot cut to fit	3.0' ft
3318739	Gasket Weather Stripping for Hopper Lid		8.6' ft
3500198	Gasket Weater Stripping for Hopper Hood		11.16' ft
	SIDE BROOMS		
3300308	24" Nylon (White)	STANDARD	1
3300306	24" Poly (Black)	STANDARD	1
3300309	26" Nylon (White)	OPTIONAL	1
3300307	26" Poly (Black)	OPTIONAL	1
3300311	26" Wire	OPTIONAL	1
	KUBOTA V1505		
3329867	V Belt Kubota V1505		1
3330795	Glow Plugs		4
3329956	Hydraulic Pump Coupler	Hayes	1
	HYDRAULIC COMPONENT SEAL KITS	Manufacture Number	
3324169	Seal Kit Used For Danfoss Main Broom & Side Broom Motors matching these numbers →	DH315151-2258 DH315151-2048	1
3305975	Seal Kit Used For Eaton Main Broom & Side Broom Motors matching these numbers →	101-1015-009 101-2036-009	1
3309292	Shaft Seal for Impeller Motor	1010174	1
3338089	Seal Kit for Propulshion Pump (REF;3335072)		1
3321399	Seal Kit for Auxiliary Pump	26210-RAB	1
3334281	Seal Kit for Orbital Steering Motor With Rotary Streering	150-3172	1
3324103	Seal Kit for Hydraulic Control Valve	30503-AAV	1
3303953	Seal Kit for Drive Motor	All 4000 Series Motors	1
3316629	Seal Kit for Kaydon Goldstar Lift Cylinder	A278CY02	1
3321269	Seal Kit for Kaydon Goldstar Rotation Cylinder	A278CY07	1

*Wear items replacement parts based on (795) Seven Hundred & Ninety Five hours of yearly usage. Per Unit
(3) Three hours daily (5) Five days per week making a (265) Two Hundred & Sixty Five day work calendar.*

PART #	DESCRIPTION	Additional Info	QTY/ REQ
	ELECTRICAL COMPONENTS		
	LIGHTS		
3315839	Headlight Complete		2
3315869	Bulb Replacement For Headlight		2
3303204	Tail light		2
3334179	Tail light Replacement Bulb		2
3303479	Tail light Replacement Lens		2
3301553	RTR Lights (RED)	Clog Filter, Hopper fire, Hopper #1	4
	BREAKER CIRCUIT		
3026924	Circuit Breaker 45amp		1
3304090	Circuit Breaker 15amp		3
	CONTROL SWITCHES, PUSH BUTTONS & ROCKERS		
3329812	Switch Three Position Toggle Engine Disable	Located @ the battery box	1
3307590	Switch Interlock Type Engine Disable		1
3300441	Button Momentary	For,Horn,Shaker Motor	4
3307552	Switch Rocker Head / Tail Lights	I / O	1
3342703	Switch Rocker Engine Three Position	LP / GAS	1
3316100	Switch Ignition		1
	GAUGE 4 IN ONE		
3333721	Oil Pressure Gauge	PSI	1
	Water Temperature Gauge	F°	1
	Battery Charge Gauge	VOLTS	1
	Fuel Gauge		1
3336094	GAUGE-HOURMETER, DIGITAL, SNAP	Beginning SN-18168059	1

PART #	DESCRIPTION	Additional Info	QTY/ REQ
	MISCELLANEOUS		
3303327	Clogged Filter Vacuum Switch		1
3321292	Time Filter Relay		1
3300379	Horn		1
3322599	Fuse Panel Block		1
3300424	Shaker Motor		1
3321179	Cable Throttle (Diesel)	Diesel Only	1
	HYDRAULIC COMPONENTS		
	PUMPS		
3303581	Main Pump (Before Serial Number 18168059)	For Propulsion	1
3335072	Propulshion Pump (Beginning Serial Number 18168059)		
3321397	Auxiliary Pump	For Brush, Lift, Steering & Dust Control	1
	CYLINDERS		
3307243	Lift		1
3316890	Rotation 9XR		1
3307323	Rotation 9XV		2
	MOTORS		
3316897	Side Broom		1
3316898	Main Broom		1
3316832	Impeller		1
3306809	Drive		1
3321433	Orbital Steering Unit		1
3307433	Control Valve		1

Revision F
Effective November 1, 2008
PowerBoss Made Simple Industrial Limited Warranty

Minuteman International, owner of PowerBoss, warrants to the original purchaser/user that the product is free from defects in workmanship and materials under normal use. PowerBoss will, at its option, repair or replace without charge, parts that fail under normal use and service when operated and maintained in accordance with the applicable operation and instruction manuals. All warranty claims must be submitted through and approved by factory authorized repair stations.

This warranty does not apply to normal wear, or to items whose life is dependent on their use and care. Parts not manufactured by PowerBoss are covered by and subject to the warranties and/or guarantees of their manufacturers. Please contact Minuteman International for procedures in warranty claims against these manufacturers.

Special warning to purchaser -- Use of replacement parts not manufactured by PowerBoss or its designated licensees will void all warranties expressed or implied. A potential health hazard exists without original equipment replacement.

All warranted items become the sole property of Minuteman International or PowerBoss or its original manufacturer, whichever the case may be.

PowerBoss disclaims any implied warranty, including the warranty of merchantability and the warranty of fitness for a particular purpose. PowerBoss assumes no responsibility for any special, incidental or consequential damages.

This limited warranty is applicable only in the U.S.A. and Canada, and is extended only to the original user/purchaser of this product. Customers outside the U.S.A. and Canada should contact their local distributor for export warranty policies. PowerBoss is not responsible for costs or repairs performed by persons other than those specifically authorized by PowerBoss. This warranty does not apply to damage from transportation, alterations by unauthorized persons, misuse or abuse of the equipment, use of non-compatible chemicals, or damage to property, or loss of income due to malfunctions of the product. If a difficulty develops with this machine, you should contact the dealer from whom it was purchased.

This warranty gives you specific legal rights, and you may have other rights, which vary from state to state. Some states do not allow the exclusion or limitation of special, incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions and limitations may not apply to you.

	Travel*	Labor	Parts	Engine
Walk behinds				
Battery sweepers	Ninety days	One year	One year	N/A
IC sweepers	Ninety days	One year	One year	Through manufacturer
Battery scrubbers	Ninety days	Two years	Three years	N/A
Riders				
Battery scrubbers	Ninety days	Two years	Three years/2000 hrs	N/A
IC sweeper/scrubbers	Ninety days	Six months	Two years/2000 hrs	Two years/3000 hrs**
IC sweepers	Ninety days	Six months	Four years/3000 hrs	Five years/3000 hrs**
Exceptions				
Apex series sweeper	Ninety days	One year	One year/1000 hrs	One year/1000 hrs**
6X sweeper	Ninety days	Six months	Two years/2000 hrs	Two years/2000 hours**

Tank Bladders Eight years/ no additional labor
Polypropylene plastic tanks Ten years/ no additional labor
Batteries 0-3 months full replacement, 4-12 prorated credit
Chargers One-year replacement
Replacement parts Ninety days

*Two-hour cap

**Through engine manufacturer. See section 3 of warranty manual for engine warranty exceptions

[illegible]



“The Power of Clean”

**PowerBoss Is A Full Line Manufacturer Of Sweepers and Scrubbers For
Industrial Facilities.**

PowerBoss, Inc 175 Anderson Street P.O. Box 1227- Aberdeen North Carolina 28315

Phone: 800-982-7141 - Fax: 1-800-277-7141 Local: 910-944-2105 Fax: 910-944-7409 e-mail: techsupport@powerboss.com

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