





Unit shown with Seed Box Lid, sold separately

BILLY GOAT SELF PROPELLED OVERSEEDER

OS900SPS, OS900SPH

Owner's Manual

Accessories

Replacement Parts

Seed Box Lid Kit	Chariot Kit	
A convenient way to enclose the seed box	Allows the user to ride behind the unit and decrease fatigue from walking	Use to
P/N 351600	P/N 351601	Р

Reel Kit	Blade Kit
Use to replace worn or damaged reels	Use to replace worn or damaged blades on the reel
P/N 351603	P/N 351610



CONTENTS

SPECIFICATIONS AND SOUND/VIBRATION	3
INSTRUCTION LABELS	4
PACKING CHECKLIST & ASSEMBLY	5
OPERATION	6-7
MAINTENANCE	8
TROUBLESHOOTING	9
PARTS LIST	10-21



Specifications

	OS900SPS	OS900SPH
Engine: HP'	9.0 HP (6.7kW)	9.0 HP (6.7kW)
Engine: Model	EX270D50021	GX270K1QA2
Engine: Type	Subaru	Honda
Engine: Fuel Capacity	6.4 qt. (6.1 L)	5.6 qt. (5.3 L)
Engine: Oil Capacity	1.06 qt. (1 L)	1.16 qt. (1.1 L)
Total Unit Weight:	314# (142 kg)	323# (147 kg)
Max. operating slope	15°	20°
Sound test in accordance with 2000/14/EC	104 dB(a)	104 dB(a)
Sound at operators ear	84 dB(a)	84 dB(a)
Vibration at operator position	0.81g (7.95 m/s²)	0.81g (7.95 m/s ²)

SOUND



 L_{WA}

104

SOUND LEVEL 84 dB(a) at Operators Position

Sound tests were conducted in accordance with 2000/14/EC, and were performed on 10-13-2010 under the conditions listed below.

Sound power level listed is the highest value for any model covered in this manual. Please refer to serial plate on the unit for the sound power level for your model.

General Conditions: Temperature: Wind Speed: Wind Direction: Humidity: Barometric Pressure: Sunny 73°F (23°C) 11 mph (17 kmh) South West 27%

30.34Hg (770 mm Hg)

VIBRATION DATA

VIBRATION LEVEL .81g (7.95m/s²)

Vibration levels at the operator's handles were measured in the vertical, lateral and longitudinal directions using calibrated vibration test equipment. Tests were performed on 10-13-2010 under the conditions listed below.

General Conditions: Temperature: Wind Speed:

Wind Direction: Humidity:

Barometric Pressure:

Sunny 66°F (19°C) 3 mph (4.8kph) East 30.2% 29.9Hg (101.3kpa)



INSTRUCTION LABELS

The labels shown below were installed on your BILLY GOAT ® Overseeder. If any labels are damaged or missing, replace them before operating this equipment. Item numbers from the Illustrated Parts List and part numbers are provided for convenience in ordering replacement labels. The correct position for each label may be determined by referring to the Figure and Item numbers shown.



LABEL DANGER KEEP HANDS AND FEET AWAY



LABEL CAUTION GUARDS ITEM #133 P/N 900327



LABEL CLUTCH ITEM #142 P/N 500177



LABEL TRANS. RELEASE ITEM #146 P/N 351507



LABEL DEPTH GAUGE ITEM #59 P/N 351504





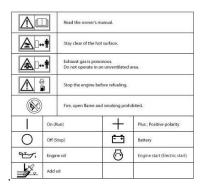
LABEL SEED METERING ITEM #66 P/N 351503 (page 12)



LABEL INSTRUCTIONS SEEDER BOX ITEM #56 P/N 351501 (page 12)

ENGINE LABELS

SUBARU





HONDA



■ READ OW'S MANUÆEFORE OPEION
■ LIRE LE MANIÓ UTILITEUIRANT USAG
■ VOR INBETRIEBNAHME UNBEDINGHT BEDIENUNGSANLEITI
■ NO UTILIZAR SINANTES NO HABERMANUA HONDA MOTOR CO., LTD. MADE IN JAPA



BILLY GOAT

OS900SP Owner's Manual

PACKING CHECKLIST

Your Billy Goat Overseeder is shipped from the factory in one carton, completely assembled.



READ all safety instructions before assembling unit.

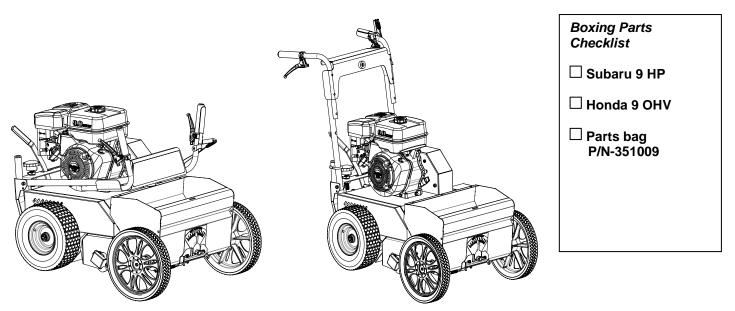
TAKE CAUTION when removing the unit from the box the Handle Assembly is attached to the unit and cables could snag.



PUT OIL IN ENGINE BEFORE STARTING

PARTS BAG & LITERATURE ASSY

Warranty card P/N- 400972, Owner's Manual P/N-351513, General Safety and Warnings Manual P/N-100295, Declaration of Conformity P/N-351508.



ASSEMBLY

- 1. **UNFOLD** the upper handle and slide handle lock loops (item 35) into place to secure the upper handle to the lower.
- 2. **CHECK** engine oil level and fill to proper level with engine manufacturers recommended grade of oil. Move height adjust lever to down position, to level engine during checking. See engine manufacturers' instruction manual.
- 3. CONNECT spark plug wire.



OPERATION

FOLDING HANDLE

This unit is equipped with a folding upper handle for easier storage and transportation. The handle can be folded by sliding the handle lock loops (item 35) up. This releases the upper handle, allowing it to be folded over the unit.

ADJUSTING BLADE DEPTH

The depth of the blades can be raised or lowered by rotating the knob located at the rear of the machine. The relative depth of the blades can be gauged by using the depth scale located on the rear of the machine and the bar next to it.

BLADE POSITION & DEPTH CONTROL LEVER

The blades can be raised or lowered into the ground by height adjustment lever at the rear of the unit. The blades will be in their lowered position when the lever is to the left and should be locked in the notch on the right when in transport. The resulting blade depth can be adjusted higher or lower.

See ADJUSTING BLADE DEPTH above.



SLICING TIPS

Before beginning, it is best to evaluate the condition of the lawn by cutting one or more core samples from area to be treated. A core can be cut using a piece of pvc, or metal pipe. Hammer the pipe into the ground, remove it, push the core out of the pipe and inspect it to determine the depth of thatch in your yard.

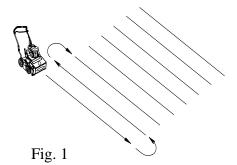
THATCH: Thatch is a dense layer of dead grass, clippings, and roots that builds up over time at the base of the lawn preventing air, water, and fertilizer from reaching the soil. This can cause shallow root development and make a lawn more susceptible to drought and disease. Thatch also provides an ideal environment for insects to hide and multiply. Periodic removal of thatch will keep your lawn in good health.

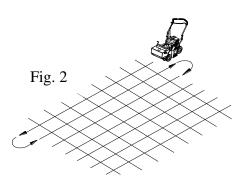
HEAVY THATCH: Lawns with an excessive amount of thatch will require multiple treatments for effective removal. Trying to remove excessive thatch (greater than 3/4"[19 mm] deep) in one treatment will damage or destroy the living part of the lawn. It is best to remove heavy thatch in seasonal treatments (i.e. spring, and fall).

SLOPES: Rake slopes across not up and down. This is much easier and safer for the operator and is better for the lawn. Raking across will help to reduce runoff during watering and allow the sloped ground to hold more seed, fertilizer, and water. The unit's maximum operating slope is 35% or 19°.

DEPTH: The wide range of depth adjustment on your unit is provided to allow for blade wear. Setting the reel deeper will not produce better, or quicker results. The slicing reel should be set even with the ground for verti-slicing work, and set to a maximum 1/2" depth for overseeding jobs. Setting the reel deeper than this will only result in premature wear on the unit (i.e. failed belt). If you desire to work the ground deeper than the above guidelines allow, it should be done gradually in multiple passes..

VERTICUTTING / OVERSEEDING: Mow the lawn to shorter than the normal cut height before starting (i.e. approximately 2" tall for fescue grass). For the best result, Slice/Overseed in crisscross pattern (See Fig. 1 and See Fig 2).







VERTI-CUTTING OPERATION

MOW: Mow the lawn to shorter than the normal cut height (approximately 2" tall)

DRY: Be sure grass is dry. Wet conditions can cause increased damage to healthy grass.

SET DEPTH: With engine off, set the raking depth so that the blades just touch on a flat surface (i.e. driveway, or sidewalk).

START ENGINE: See Safety and General Operations manual.

ENGAGE BLADES: Push the Reel Lever down on the operators handle (upper left side). **NOTE:** When engaging the blades in heavy load conditions (i.e. heavy thatch, or very uneven turf), push down on the operators handle lifting the front wheels slightly. Engage the blades. Slowly lower the unit into the turf.

SLICE: Verti-cut a small test area and examine the results. Some thatch and cut stems should be removed and deposited on top of the healthy grass. Grass runners should be cut and ready for removal. If excessive damage occurs to healthy grass, adjust the blade depth to decrease damage. Continue raking the yard, working in one direction (i.e. north-south, or east-west). **NOTE:** If a large drop in engine RPM occurs, or bounces during operation the blade depth is set

too low. **REMOVE THATCH/STEMS:** After verti-cutting, a layer of thatch and cut stems will be deposited over the top of the lawn. We suggest the use of a lawn vacuum or wheeled blower for collection

OVERSEEDING OPERATION

and removal of the thatch/stems.

MOW: Mow the lawn to shorter than the normal cut height (approximately 2" tall)

DRY: Be sure grass is dry. Wet conditions can cause increased damage to healthy grass.

SEED: Spread grass seed according to the seed suppliers directions (e.g. 10 lbs. per 1000 ft 2 [4.5 kg. per 93 m 2]) Adjustments to the seed drop is located on the front of the unit on the seed dial and should be used in conjunction with the seed chart on the console.

SET DEPTH: With engine off, set the raking depth so that the blades reach 1/4"-1/2"(6-12 mm) below a flat surface (i.e. driveway, or sidewalk).

START ENGINE: See Safety and General Operations manual.

ENGAGE REEL AND SEED DROP: Push down on the Reel lever on the operators handle. **NOTE:** When engaging the reel in heavy load conditions (i.e. heavy thatch, or very uneven turf), push down on the operators handle lifting the front wheels slightly. Engage the reel. Slowly lower the unit into the turf

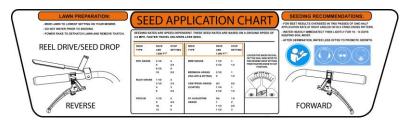
SLICE: Run machine over the area that has been seeded to incorporate the seed into the soil. If excessive damage occurs to healthy grass, adjust the blade depth to decrease damage. Continue raking the yard, working in one direction (i.e. north-south, or east-west). **NOTE:** If a large drop in engine RPM occurs, or bounces during operation the blade depth is set too low.

WATER/FERTILIZE: After the seed has been worked into the soil, water and fertilize according to the seed suppliers directions.

ADJUSTING SEED RATE



To set the seed flow rate, loosen the knob on the indicator dial and set it to the corresponding stop setting on the seed application chart (below or on the console) for the type and amount of seed being used.





MAINTENANCE

PERIODIC MAINTENANCE

Periodic maintenance should be performed at the following intervals:

Maintenance Operation	Every Use (daily)	Every 25 Hours
Inspect for loose, worn or damaged parts.		•
Check engine oil	•	
Inspect belts		•
Engine (See Engine Manual)		
Grease bearings		•
Inspect and clean engine air filter	•	
Oil height adjustment linkage		•

SLICING BLADE WEAR

- 1. Wait for engine to cool and disconnect spark plug.
- 2. Close fuel valve on engine (if available).
- 3. Lean unit back onto lower handles and secure in place.
- 4. Inspect blades for wear, and immediately replace any deformed or cracked blades.

Measure the overall diameter of the blade.

5. If blades are warped or the diameter of the blade is 6.75"(171 mm) in length they must be replaced. NOTE: We recommend replacing all the blades at once.

JACKSHAFT BELT REPLACEMENT

- 1. Wait for engine to cool and disconnect spark plug.
- 2. Place the rear of the unit on blocks.
- 3. Remove the right rear tire (item 11) and spring (item 155) attaching the housing to the frame.
- 4. Remove (3) screws (item 114) holding the belt guard (item 19) in place
- 5. Remove the four screws (item 107) holding the mule drive assembly (item 60) in place.
- 6. Remove the belt (item 14) by rotating the mule drive pulley and walking it out of the groove, and remove the mule assembly leaving the belt on the transmission.
- 7. Remove the carriage bolt and nuts holding the right bearing on the jackshaft. Do not remove the bearing and pulley.
- 8. Remove the belt guard (item 58) by removing the three screws (item 114).
- 9. Walk the belt off of the crankshaft pulley, and then slide it down the jackshaft to the bearing hole. This will allow the belt to be slid around the mule pulley.
- 10. Replace the belt by feeding it into the hole and around the pulley that the old one was removed. Make sure it is seated in the jackshaft pulley and then walk it onto the crankshaft pulley making sure it is inside the belt fingers.
- 11. Reattach the bearing and tighten the hardware securely.
- 12. Reattach the mule drive and belt, making sure that the belt is seated properly in the transmission pulley and the mule drive assembly.
- 13. Check the idler tension on the belt when the drive lever is engaged, if it is too loose the spring (item 82) holding the idler arm will need to be replaced.
- 14. Reattach the guards, tire, spring and spark plug and make sure of proper operation.

MULE BELT REPLACEMENT

- 1. Wait for engine to cool and disconnect spark plug.
- 2. Place the rear of the unit on blocks.
- 3. Remove the right rear tire (item 11) and spring (item 155) attaching the housing to the frame.
- 4. Remove (3) screws (item 114) holding the belt guard (item 19) in place
- 5. Remove the four screws (item 107) holding the mule drive assembly (item 60) in place. This will allow access to the belt.
- 6. Remove the belt (item 14) by rotating the mule drive pulley and walking it out of the groove, and then sliding it off of the transmission. Discard old belt.
- 7. Install new belt using same procedure to walk the belt into the groove, making sure it is seated fully in all pulleys. Reattach the mule drive assembly.
- 8. With new belt installed pull the drive levers up and make sure the idler pulley puts tension on the cable. The proper adjustment should have the drive lever fully engaged and the belt should be snug on the pulleys.
- 9. Re-install the belt guard, spring, tire, and then reattach the spark plug.

REEL BELT REPLACEMENT

- Wait for engine to cool and disconnect spark plug.
- 2. Remove (2) screws (item 38) holding the belt guard (item 20) in place
- 3. Remove the belt (item 17) by rotating the reel pulley (item16) and walking it out of the groove. Discard old belt.
- 4. Install new belt using same procedure to walk the belt into the groove, making sure that it is inside the belt fingers.
- 5. With new belt installed push the reel drive lever down and make sure the idler pulley puts tension on the cable. The proper adjustment should have the blade lever fully engaged and the belt should be snug on the pulleys.
- 6. Re-install the belt guard and reattach the spark plug.



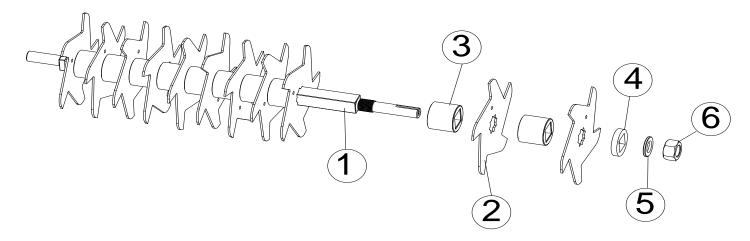
Troubleshooting

Problem	Possible Cause	Solution
Abnormal vibration.	 Damaged or missing blades. Loose 	 Stop work immediately. Replace any
	handle bolts. Loose engine bolts	damaged or missing blades. Tighten all
		loose nuts and bolts.
Engine stalls or labors when	 Blades set too deep into ground. 	Raise blades so that they just touch the
raking		ground on a level surface
Engine will not start.	· Stop switch off (Honda only). Throttle	· Check choke position.
	in off position	
	· Out of gasoline or bad, old gasoline.	· Check gasoline.
	· Spark Plug wire disconnected.	· Connect spark plug wire.
	· Gas valve off.	· Turn on gas valve.
	· Dirty air cleaner.	· Clean or replace air cleaner. Contact a
		qualified service person.
Engine is locked, will not pull	 Debris locked against reel, or drive 	· Pull spark plug wire and remove debris.
over.	pulleys. Engine problem.	Contact an engine servicing dealer for
		engine problems.

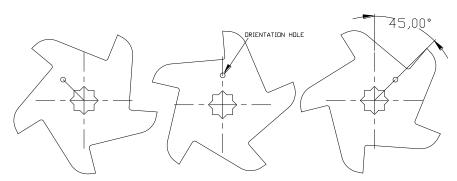


PARTS DRAWING

SLICING REEL ASSY 351603



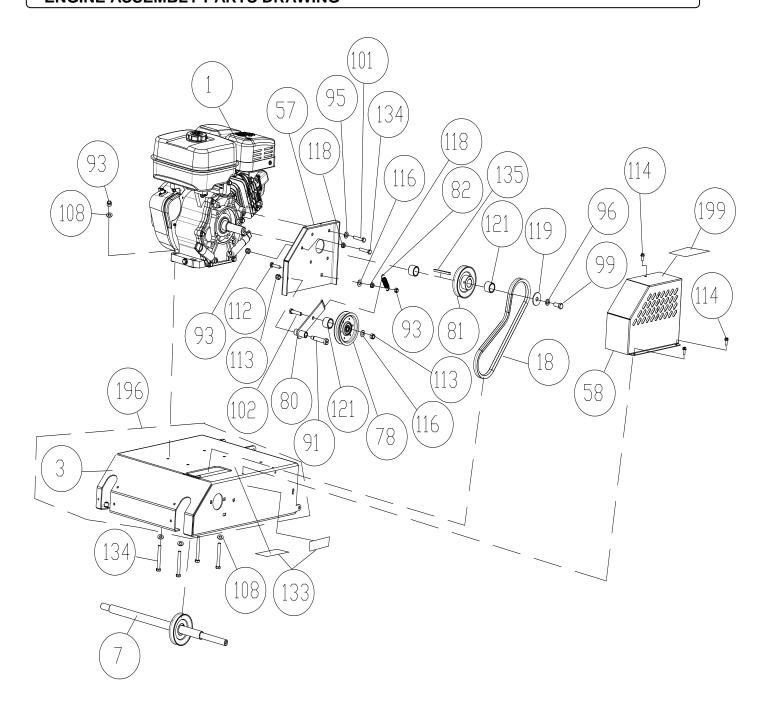
ITEM NO	DESCRIPTION	PART NO.	QTY
1	SHAFT VERTICUTTING REEL OS900SP	351111	1
2	BLADE VERTICUT OS900SP	351225	11
3	SPACER PM REEL OS900SP	351261	10
4	SPACER HARDENED REEL OS900SP	351297	1
5	SPRING DISC 7/8" ID	351298	1
6	NUT 7/8"-14 NC	350341	1



EACH BLADE SHOULD BE ROTATED CLOCKWISE 45 DEGREES. USE THE HOLE IN THE BLADE TO SET ORIENTATION.



ENGINE ASSEMBLY PARTS DRAWING



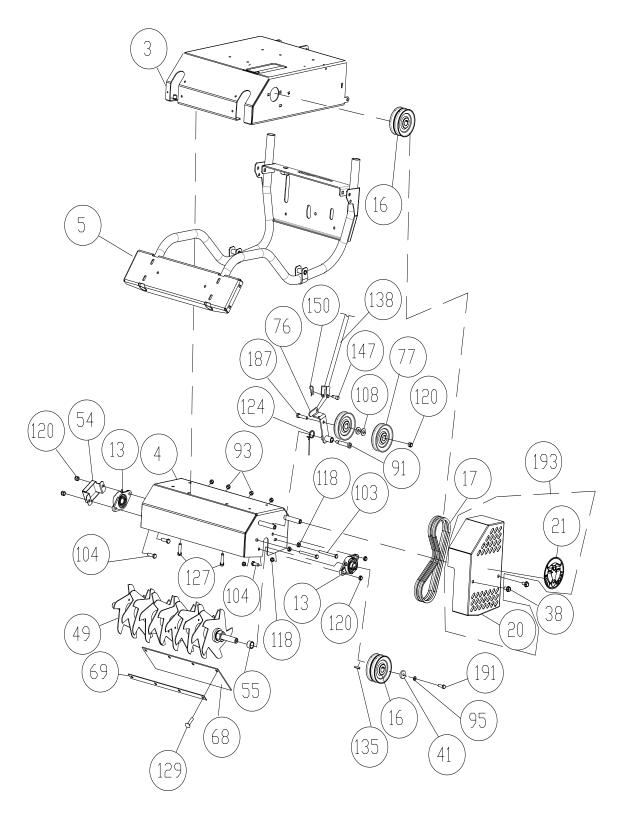


ENGINE ASSEMBLY PARTS LIST

		OS900SPH		OS900SPS	
ITEM NO.	DESCRIPTION	PART NO.	QTY	PART NO.	QTY
1	ENGINE HONDA 9HP	430287	1	-	-
	ENGINE SUBARU 9HP	-	-	351299	1
3	ENGINE BASE WA	351100	1	351100	1
7	JACKSHAFT WA	351107	1	351107	1
18	BELT - 6932 POWERATED	351211	1	351211	1
57	BRACKET GUARD BELT UPPER	351203	1	351203	1
58	GUARD BELT UPPER OS900SP	351116	1	351116	1
78	PULLEY IDLER 4" OD X 3/8 BORE	500113	1	500113	1
80	ARM IDLER WA UPPER	351113	1	351113	1
81	PULLEY 3.50" OD X 1.00" BORE	351296	1	351296	1
82	SPRING IDLER UPPER	351275	1	351275	1
91	BOLT SHOULDER 1/2" X 2"	520031	1	520031	1
93	NUT LOCK 5/16"-18	8160002	6	8160002	6
95	WASHER SPLIT LOCK	8177011	4	8177011	4
96	WASHER LOCK 7/16' S/T MED	8177013	1	8177013	1
99	SCREWCAP 7/16"-20 X 1" HCS GR. 8 W/PATCH	510213	1	510213	1
101	SCREWCAP 5/16"-24 X 1" GR 8 W/PATCH	400164	4	400164	4
102	SCREWCAP 3/8"-16 X 1 3/4" HCS ZP	8041053	1	8041053	1
108	WASHER 5/16 FLAT	8171003	8	8171003	8
112	BOLT CARRIAGE 5/16"-18 X 1 1/2" ZP	8024042	1	8024042	1
113	LOCK NUT 3/8-16	8160003	2	8160003	2
114	SCREW SELF TAP 1/4"-20 X 5/8" HWH TYPE F	890359	3	890359	3
116	WASHER 3/8" SAE	8172009	2	8172009	2
118	NUT FLANGE 5/16-18 ZP	350346	2	350346	2
119	PLATE IMPELLER WASHER PB110	850443	1	850443	1
121	SPACER 1.25 OD X 1.010 ID X .938 THK	351413	2	351413	2
133	LABEL DANGER	900327	2	900327	2
134	SCREWCAP 5/16"-18 X 1 3/4" HCS ZP	8041031	5	8041031	5
135	KEY SQ 1/4" X 1"	9201113	1	9201113	1
196	ENGINE BASE WA OS900SP W/LABELS	351608	1	351608	1
199	LABEL MADE IN U.S.A.	520116	1	520116	1



REEL/REEL DRIVE ASSEMBLY PARTS DRAWING



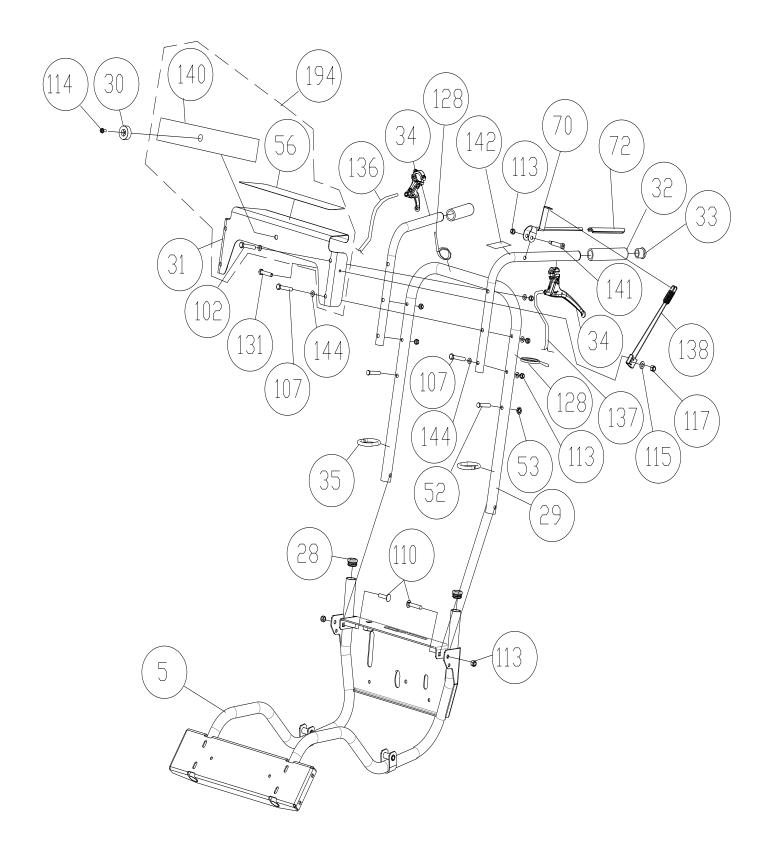


REEL/REEL DRIVE ASSEMBLY PARTS LIST

		OS900SPH		OS900SPS	
ITEM NO.	DESCRIPTION	PART NO.	QTY	PART NO.	QTY
3	ENGINE BASE WA	351100	1	351100	1
4	HOUSING VERTICUTTER WA OS900SP	351101	1	351101	1
5	FRAME SUPPORT OS900SP WA	351102	1	351102	1
13	BEARING 3/4" CAST FLANGE W/ZERK	350209	2	350209	2
16	PULLEY 0.75" ID X 4" 4L SECTION	351210	2	351210	2
17	BELT 4L	351213	2	351213	2
20	GUARD REEL BELT OS900SP	351117	1	351117	1
21	LABEL DECAL SM CIRCLE	890456	1	890456	1
38	SER HEX WASHER 3/8" - 16	791080	2	791080	2
41	WASHER 1.125 OD X .344 ID X 10 GA	441150	1	441150	1
49	REEL ASSY OS900SP	351012	1	351012	1
54	GUARD BEARING REEL OS900SP	351206	1	351206	1
55	SPACER SEED BOX AXLE OS900SP	351408	1	351408	1
68	DEFLECTOR RUBBER OS900SP	351269	1	351269	1
69	BAR CLAMP DEFLECTOR	351268	1	351268	1
76	ARM IDLER WA REEL ENGAGE	351112	1	351112	1
77	PULLEY	350114	2	350114	2
91	BOLT SHOULDER 1/2" X 2"	520031	1	520031	1
93	NUT LOCK 5/16"-18	8160002	4	8160002	4
95	WASHER SPLIT LOCK	8177011	1	8177011	1
103	SCREWCAP 5/16-18 X 3 1/2"	8041038	2	8041038	2
104	SCREWCAP 3/8"-16 X 1"	8041050	4	8041050	4
108	WASHER 5/16" FC	8171003	2	8171003	2
118	NUT FLANGE 5/16-18 ZP	350346	4	350346	4
120	NUT LOCK 3/8-16 LT WT THIN ZP	8161042	5	8161042	5
124	SPRING IDLER MULE DRIVE	351295	1	351295	1
127	SER HEX WASHER FLNG SCREW 5/16"-18 X 3/4"	351264	6	351264	6
129	BOLT CARRIAGE 5/16"-18 X 3/4" ZP	8024039	4	8024039	4
135	KEY 3/16" SQ X 1 1/4"	9201080	1	9201080	1
138	CABLE CLUTCH SEEDING CONTROL	351221	1	351221	1
147	PIN CLEVIS 1/4" X .50"	440124	1	440124	1
150	PIN CLIP HITCH 0.051" X 3/4"	440193	1	440193	1
187	SCREWCAP 3/8"-16 X 2 1/2" ZP	8041056	1	8041056	1
191	SCREWCAP 5/16"-24 X 1" GR.8 ZP W/PATCH	400164	1	400164	1
193	GUARD REEL BELT OS900SP W/LABELS	351607	1	351607	1



HANDLE ASSEMBLY PARTS DRAWING



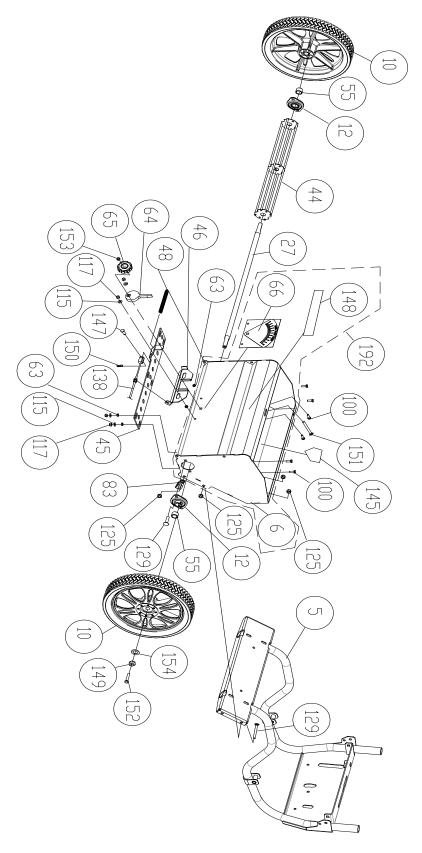


HANDLE ASSEMBLY PARTS LIST

		OS900SPH		OS900SPS	
ITEM NO.	DESCRIPTION	PART NO.	QTY	PART NO.	QTY
5	FRAME SUPPORT OS900SP WA	351102	1	351102	1
28	PLUG TUBE INSERT 1.25 OD	791056	2	791056	2
29	HANDLE FOLDING OS900SP	351406	1	351406	1
30	BUMPER RECESS	360298	1	360298	1
31	BRACKET CONSOLE OS900SP	351208	1	351208	1
32	GRIP HANDLE	500267	2	500267	2
33	PLUG TUBE INSERT 1" OD	890132	2	890132	2
34	CONTROL MAGURA OS900SP	351209	2	351209	2
35	LOOP FOLDING HANDLE	351231	2	351231	2
52	PIN CLEVIS 3/8 X 2.125	520120	2	520120	2
53	RETAINER 3/8" BOLT PUSH NUT	360279	2	360279	2
56	LABEL INSTRUCTION OS900SP	351501	1	351501	1
70	LEVER CLUTCH/SEED DROP	351212	1	351212	1
72	GRIP LEVER 0.125" X 1" X 5" ORANGE	500379	1	500379	1
102	SCREWCAP 3/8"-16 X 1 3/4" HCS ZP	8041053	2	8041053	2
107	SCREWCAP 3/8"-16 X 3" HCS ZP	8041058	4	8041058	4
110	BOLT CARRIAGE 3/8"-16 X 2" ZP	8024062	2	8024062	2
113	LOCK NUT 3/8-16	8160003	9	8160003	9
114	SCREW SELF TAP 1/4"-20 X 5/8" HWH TYPE F	890359	1	890359	1
115	WASHER 1/4" SAE	8172007	1	8172007	1
117	LOCK NUT 1/4-20	8160001	1	8160001	1
128	TY WRAP	900407	2	900407	2
131	SCREWCAP 1/4"-20 X 1" HCS ZP	8041006	1	8041006	1
136	CABLE SPEED CONTROL RT	351219	1	351219	1
137	CABLE SPEED CONTROL LFT	351271	1	351271	1
138	CABLE CLUTCH SEEDING CONTROL	351221	1	351221	1
140	LABEL LOGO OS900SP	351500	1	351500	1
141	BOLT SHOULDER 3/8" X 1 1/4"	360284	1	360284	1
142	LABEL CLUTCH BLADE	500177	1	500177	1
144	WASHER 3/8 FC	8171004	12	8171004	12
194	BRACKET CONSOLE OS900SP W/LABELS	351605	1	351605	1



SEED BOX ASSEMBLY PARTS DRAWING



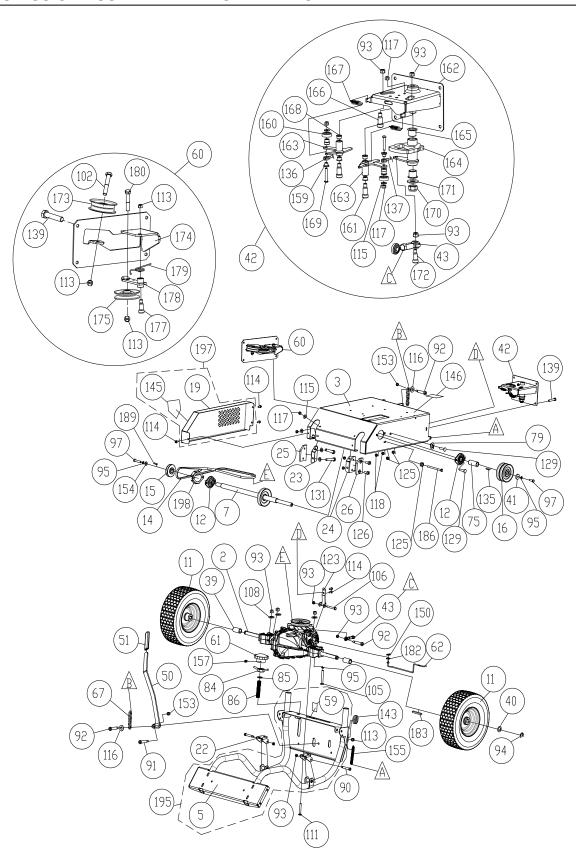


SEED BOX ASSEMBLY PARTS LIST

		OS900SPH		OS900SPS	
ITEM NO.	DESCRIPTION	PART NO.	QTY	PART NO.	QTY
5	FRAME SUPPORT OS900SP WA	351102	1	351102	1
6	SEED BOX WA	351103	1	351103	1
10	FRONT WHEEL 14" ASSY	351013	2	351013	2
12	BEARING & FLANGETTE ASSY	850232	4	850232	4
27	AXLE SEED BOX	351223	1	351223	1
44	WHEEL PADDLE SEED WA	351105	1	351105	1
45	PLATE SEED CONTROL OS900SP	351220	1	351220	1
46	BRACKET CONTROL SEED RATE	351222	1	351222	1
48	SPRING EXTENSION .5 X 5.00	351303	1	351303	1
55	SPACER SEED BOX AXLE OS900SP	351408	2	351408	2
63	SPACER SEED PLATE OS900SP	351253	8	351253	8
64	DIAL SEED INDICATOR	351265	1	351265	1
65	KNOB 5/16"-18 X 5/8" FLUTED	400339	1	400339	1
66	LABEL SEED FLOW RATE	351503	1	351503	1
83	CLAMP ROUTING FUEL LINE	791070	1	791070	1
100	SCREW 1/4" - 20 X .75 HWH	8041004	8	8041004	8
115	WASHER 1/4" SAE	8172007	8	8172007	8
117	LOCK NUT 1/4-20	8160001	8	8160001	8
125	NUT 5/16"-18 SER HEX WASHER FLN	350346	8	350346	8
129	BOLT CARRIAGE 5/16"-18 X 3/4" ZP	8024039	8	8024039	8
138	CABLE CLUTCH SEEDING CONTROL	351221	1	351221	1
145	LABEL WARNING OPEI	400424	1	400424	1
147	PIN CLEVIS 1/4" X .61	350399	1	350399	1
148	LABEL BADGING OS900SP	351505	1	351505	1
149	WASHER LOCK 5/16" TWISTED TOO	430298	2	430298	2
150	PIN CLIP HITCH 0.051 X 3/4"	440193	1	440193	1
151	BOLT CARRIAGE 5/16"-18 X 1 1/4" ZF	8024041	1	8024041	1
152	SCREWCAP 5/16"-18 X 3/4" HCS ZP	8041026	2	8041026	2
153	NUT LOCK 5/16"-18 LT WT TH ZP	8161041	1	8161041	1
154	WASHER FENDER 5/16"	8172020	2	8172020	2
192	SEED BOX WAS OS900SP W/LABELS	351604	1	351604	1



TRANSMISSION ASSEMBLY PARTS DRAWING





TRANSMISSION ASSEMBLY PARTS LIST

ITEM NO. DESCRIPTION			OS900SPH		OS900SPS	
3 ENGINE BASE WA 5 FRAME SUPPORT OS900SP WA 351100 1 351100 1 5 FRAME SUPPORT OS900SP WA 351101 1 351100 1 1 351102 1 351102 1 1 351102 1 351102 1 1 351107 1 351107 1 11 REAR WHEELI3" X 5" PNEU ASSY 351202 2 351202 2 2 BEARING & FLANGETTE ASSY 850232 4 850232 4 850232 4 850232 4 14 BELT 31.540 351215 1 351215 1 15 PULLEY 0.75" ID X 2.75 351214 1 351215 1 15 PULLEY 0.75" ID X 4" 41 SECTION 351210 1 351210 1 16 PULLEY 0.75" ID X 4" 41 SECTION 351210 1 351210 1 17 GUARD DRIVE BELT OS900SP 351118 1 351118 1 18 GUARD DRIVE BELT OS900SP 351118 1 351118 1 19 GUARD DRIVE BELT OS900SP 351126 2 351226 2 23 BRACKET FIXED FRONT FRAME 351226 2 351226 2 23 BRACKET HWEAR PAD OS900SP 351227 1 351227 1 24 BRACKET HWEAR PAD OS900SP 351228 1 351228 1 25 WEAR PAD RH OS900SP 351229 1 351229 1 26 WEAR PAD RH OS900SP 351229 1 351229 1 27 WEAR PAD RH OS900SP 351230 1 351230 1 28 SPACER REAR WHEEL OS900SP 351240 2 351409 2 351409 2 24 WASHER 7.65 ID X 1.25 OD X.06 THK 850238 2 850238 2 4 850238 2 850238 2 8 8 850238 2 8 8 850238 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	ITEM NO.	DESCRIPTION	PART NO.	QTY	PART NO.	QTY
5 FRAME SUPPORT OS900SP WA 351102 1 351107 1 351107 1 351107 1 351107 1 351107 1 351107 1 351107 1 351107 1 351202 2 351202 2 351202 2 351202 2 351202 2 351202 2 351202 2 351202 2 351202 2 351202 4 850232 4 850232 4 850232 4 850232 4 850232 4 850232 4 850232 4 850232 4 850232 4 850232 4 850232 4 850232 4 850232 4 850232 4 850232 4 1 351214 1 351214 1 351214 1 351214 1 351210 1 351210 1 351210 1 351210 1 351210 1 351220 1 351227 1 351227 </td <td>2</td> <td>TRANSAXLE</td> <td>351201</td> <td>1</td> <td>351201</td> <td>1</td>	2	TRANSAXLE	351201	1	351201	1
7 JACKSHAFT WA 11 REAR WHEEL13" X 5" PNEU ASSY 351202 2 351202 2 12 BEARING & FLANGETTE ASSY 850232 4 850232 4 14 BELT 3L540 351215 1 351215 1 15 PULLEY 0.75" ID X 2.75 351214 1 351214 1 16 PULLEY 0.75" ID X 2.75 351214 1 351215 1 17 GUARD DRIVE BELT OS900SP 351118 1 351118 1 18 SELT 3L540 351226 2 351226 2 19 GUARD DRIVE BELT OS900SP 351118 1 351118 1 19 GUARD DRIVE BELT OS900SP 351118 1 351118 1 12 BRACKET INKED FRONT FRAME 351226 2 351226 2 12 BRACKET INKED FRONT FRAME 351226 1 351226 1 12 BRACKET HWEAR PAD OS900SP 351227 1 351227 1 12 BRACKET HWEAR PAD OS900SP 351228 1 351228 1 12 BRACKET HWEAR PAD OS900SP 351229 1 351229 1 12 BRACKET HWEAR PAD OS900SP 351229 1 351229 1 13 SELZE 1	3	ENGINE BASE WA	351100	1	351100	1
11 REAR WHEEL13" X 5" PNEU ASSY	5	FRAME SUPPORT OS900SP WA	351102	1	351102	1
12 BEARING & FLANGETTE ASSY 850232	7	JACKSHAFT WA	351107	1	351107	1
14 BELT 3LS40 15 PULLEY 0.75" ID X 2.75 16 PULLEY 0.75" ID X 2.75 17 ST0LEY 0.75" ID X 2.75 18 ST0LEY 0.75" ID X 2.75 19 GUARD DRIVE BELT OS900SP 18 ST1118 1 351119 1 351129 1 351229 1 351229 1 351229 1 351229 1 351229 1 351229 1 351229 1 351220 1 351230	11	REAR WHEEL13" X 5" PNEU ASSY	351202	2	351202	2
15	12	BEARING & FLANGETTE ASSY	850232	4	850232	4
16	14	BELT 3L540	351215	1	351215	1
19 GUARD DRIVE BELT OS900SP 351118 1 351118 1 1 1 1 1 1 1 1 1	15	PULLEY 0.75" ID X 2.75	351214	1	351214	1
22 BRACKET FIXED FRONT FRAME 23 BRACKET RH WEAR PAD OS900SP 351227 24 BRACKET LH WEAR PAD OS900SP 351227 25 WEAR PAD RH OS900SP 351229 26 WEAR PAD HO OS900SP 351229 351229 351229 351229 351229 351229 351229 351230 39 SPACER REAR WHEEL OS900SP 30 SPACER SPACER ON TO SEARCH WHEEL OS900SP 30 SPACER SPACER ON TO SEARCH WHEEL OS900SP 30 SPACER REAR WHEEL OS900SP 30 SPACER PULLEY ACKSHAFT 30 SPACER PULLEY JACKSHAFT 30 SPACER PULLEY JACK	16	PULLEY 0.75" ID X 4" 4L SECTION	351210	1	351210	1
23 BRACKET RH WEAR PAD OS900SP 351227 1 351227 1 24 BRACKET LH WEAR PAD OS900SP 351228 1 351228 1 25 WEAR PAD RH OS900SP 351229 1 351229 1 26 WEAR PAD LH OS900SP 351220 1 351230 1 27 WEAR PAD LH OS900SP 351230 1 351230 1 28 SPACER REAR WHEEL OS900SP 351209 2 351409 2 38 SPACER REAR WHEEL OS900SP 351409 2 351409 2 39 SPACER REAR WHEEL OS900SP 351009 2 351409 1 30 WASHER .765 ID X 1.25 OD X .06 THK 850238 2 850238 2 31 WASHER 1.125 OD X .344 ID X 10 GA 441150 1 441150 1 32 SPEED CONTROL ASSY 351011 1 351011 1 33 CONNECTOR SPEED CONTROL 351015 1 351015 1 35 CIEVER HEIGHT CONTROL WA 351106 1 351106 1 1 35 I GRIP LEVER LIFT 840191 1 840191 1 840191 1 35 UABEL DEPTH GAUGE OS900SP 351504 1 351504 1 1 35 CONDECTOR SPEED CONTROL 850154 1 850154 1 1 35 CROB BYPASS ARM TRANSAXLE 351304 1 351304 1 1 35 SPACER PULLEY JACKSHAFT 351415 1 351415 1 1 35 SPACER PULLEY JACKSHAFT 351415 1 351415 1 1 35 SPACER PULLEY JACKSHAFT 351415 1 351200 1 1 36 STUD 3/4"-ID X 33/4 PLTD 351272 1 351272 1 1 39 BOLT SHOULDER 3/8" X 2" 360153 2 360153 2 1 39 BOLT SHOULDER 3/8" X 1/2" 350015 1 520031 1 520031 1 1 30 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041032 1 1 30 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041032 1 1 30 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041032 1 1 30 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041032 1 1 30 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041032 1 1 30 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041036 1 1 30 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041036 1 1 30 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041036 1 1 30 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041036 1 1 30 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041036 1 1 30 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041036 1 1 30 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041036 1 1 30 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041036 1 1 30 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041032 1 1 30 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041036 4 8041036 4 8041036 4 8041036 4 8041036 4 8041036 4 8041036 4 8041036 4 8041036 4 8041036 4 8041036 4 8041036 4 8041036 4 8041036 4	19	GUARD DRIVE BELT OS900SP	351118	1	351118	1
24 BRACKET LH WEAR PAD OS900SP 351228 1 351228 1 25 WEAR PAD RH OS900SP 351229 1 351229 1 26 WEAR PAD LH OS900SP 351230 1 351220 1 39 SPACER REAR WHEEL OS900SP 351409 2 351409 2 40 WASHER .765 ID X 1.25 OD X .06 THK 850238 2 850238 2 41 WASHER 1.125 OD X .344 ID X 10 GA 441150 1 441150 1 42 SPEED CONTROL ASSY 351011 1 351011 1 43 CONNECTOR SPEED CONTROL 351015 1 351015 1 50 LEVER HEIGHT CONTROL 351015 1 351016 1 51 GRIP LEVER LIFT 840191 1 840191 1 59 LABEL DEPTH GAUGE OS900SP 351504 1 351504 1 60 MULE ASSY	22	BRACKET FIXED FRONT FRAME	351226	2	351226	2
25 WEAR PAD RH OS900SP 351229 1 351229 1 26 WEAR PAD LH OS900SP 351230 1 351230 1 39 SPACER REAR WHEEL OS900SP 351230 1 351230 1 39 SPACER REAR WHEEL OS900SP 351409 2 351409 2 40 WASHER .765 ID X 1.25 OD X .06 THK 850238 2 850238 2 41 WASHER .725 OD X .344 ID X 10 GA 441150 1 441150 1 42 SPEED CONTROL ASSY 351011 1 351011 1 50 LEVER HEIGHT CONTROL WA 35106 1 351106 1 51 GRIP LEVER LIFT 840191 1 840191 1 840191 1 59 LABEL DEPTH GAUGE OS900SP 351504 1 351504 1 60 MULE ASSY	23	BRACKET RH WEAR PAD OS900SP	351227	1	351227	1
26 WEAR PAD LH OS900SP 351230 1 351230 1 39 SPACER REAR WHEEL OS900SP 351409 2 351409 2 40 WASHER 7.65 ID X 1.25 OD X .06 THK 850238 2 850238 2 41 WASHER 1.125 OD X .344 ID X 10 GA 441150 1 441150 1 1 441150 1 1 42 SPEED CONTROL ASSY 351011 1 351011 1 50 LEVER HEIGHT CONTROL 351015 1 351015 1 51 GRIP LEVER LIFT 840191 1 840191 1 840191 1 59 LABEL DEPTH GAUGE OS900SP 351504 1 351	24	BRACKET LH WEAR PAD OS900SP	351228	1	351228	1
39 SPACER REAR WHEEL OS900SP 351409 2 351409 2 40 WASHER .765 ID X 1.25 OD X .06 THK 850238 2 850238 2 41 WASHER 1.125 OD X .344 ID X 10 GA 441150 1 441150 1 42 SPEED CONTROL ASSY 351011 1 351011 1 351011 1 351015 1 351015 1 351015 1 351016 1 351016 1 351016 1 351016 1 351 GRIP LEVER LIFT 840191 1 840191 1 59 LABEL DEPTH GAUGE OS900SP 351504 1 351504 1 60 MULE ASSY 61 KNOB HAND 850154 1 850154 1 850154 1 75 SPACER PULLEY JACKSHAFT 351415 1 351415 1 79 BRACKET CLUTCH CABLE 351200 1 351200 1 84 LOCKNUT WA 800227 1 800227 1 85 WASHER .75" 800109 1 800109 1 86 STUD 3/4"-10 X 3 3/4 PLTD 351272 1 351272 1 90 BOLT SHOULDER 3/8" X 2" 360153 2 91 BOLT SHOULDER 1/2" X 2" 520031 1 520031 1 92 BOLT SHOULDER 1/2" X 2" 520031 1 520031 1 94 RING RETAINING EXTERNAL 3/4" 850230 2 850230 2 95 WASHER SPLIT LOCK 817" 400164 2 400164 2 102 SCREWCAP 5/16"-18 X 3" HCS ZP 8041035 1 8041035 1 108 WASHER 5/16"-18 X 2" 8041035 1 8041035 1 8041035 1 108 WASHER 5/16"-18 X 2" 8041036 4 8041036 4 1016 SCREWCAP 5/16"-18 X 2" 8041036 4 8041036 4 111 BOLT CARRIAGE 9024047 4 9024047 4 111 BOLT CARRIAGE 9024047 4 9024047 4 111 BOLT CARRIAGE 9024047 4 9024047 4 111 WASHER 13/8" SAE 8172009 3 8172009 3	25	WEAR PAD RH OS900SP	351229	1	351229	1
40 WASHER .765 ID X 1.25 OD X .06 THK 850238 2 850238 2 41 WASHER 1.125 OD X .344 ID X 10 GA 441150 1 441150 1 441150 1 441150 1 441150 1 441150 1 441150 1 351011 1 351011 1 351011 1 351011 1 351011 1 351015 1 351015 1 351015 1 351015 1 351015 1 351015 1 351015 1 351015 1 351015 1 351015 1 351016 1 351106 1 351106 1 351106 1 351106 1 351106 1 351006 1 351004 1	26	WEAR PAD LH OS900SP	351230	1	351230	1
41 WASHER 1.125 OD X .344 ID X 10 GA 441150 1 441150 1 42 SPEED CONTROL ASSY 351011 1 351011 1 43 CONNECTOR SPEED CONTROL 351015 1 351015 1 50 LEVER HEIGHT CONTROL WA 351106 1 351106 1 51 GRIP LEVER LIFT 840191 1 840191 1 59 LABEL DEPTH GAUGE OS900SP 351504 1 351504 1 60 MULE ASSY - - - - - 61 KNOB HAND 850154 1 850154 1 62 ROD BYPASS ARM TRANSAXLE 351304 1 351304 1 75 SPACER PULLEY JACKSHAFT 351415 1 351415 1 79 BRACKET CLUTCH CABLE 351200 1 351200 1 84 LOCKNUT WA 800227 1 800109 1 85 WASHER .75" 800109 1 801109 1 86 STUD JAYA**-10 X 3 3/4 PLTD 3	39	SPACER REAR WHEEL OS900SP	351409	2	351409	2
42 SPEED CONTROL ASSY 351011 1 351015 1 43 CONNECTOR SPEED CONTROL 351015 1 351015 1 50 LEVER HEIGHT CONTROL WA 351106 1 351106 1 51 GRIP LEVER LIFT 840191 1 840191 1 59 LABEL DEPTH GAUGE OS900SP 351504 1 351504 1 60 MULE ASSY - - - - - 61 KNOB HAND 850154 1 850154 1 62 ROD BYPASS ARM TRANSAXLE 351304 1 351304 1 75 SPACER PULLEY JACKSHAFT 351415 1 351415 1 79 BRACKET CLUTCH CABLE 351200 1 351200 1 84 LOCKNUT WA 800227 1 800227 1 85 WASHER .75" 800109 1 800109 1 86 STUD 3/4"-10 X 3 3/4 PLTD 351272 1 351272 1 90 BOLT SHOULDER 3/8" X 2" 360153	40	WASHER .765 ID X 1.25 OD X .06 THK	850238	2	850238	2
43 CONNECTOR SPEED CONTROL 351015 1 351015 1 50 LEVER HEIGHT CONTROL WA 351106 1 351106 1 51 GRIP LEVER LIFT 840191 1 840191 1 59 LABEL DEPTH GAUGE OS900SP 351504 1 351504 1 60 MULE ASSY - - - - - 61 KNOB HAND 850154 1 850154 1 62 ROD BYPASS ARM TRANSAXLE 351304 1 351304 1 75 SPACER PULLEY JACKSHAFT 351415 1 351415 1 79 BRACKET CLUTCH CABLE 351200 1 351200 1 84 LOCKNUT WA 800227 1 800227 1 85 WASHER.75" 800109 1 80109 1 86 STUD 3/4"-10 X 3 3/4 PLTD 351272 1 351272 1 90 BOLT SHOULDER 3/8" X 2" 360153 <t< td=""><td>41</td><td>WASHER 1.125 OD X .344 ID X 10 GA</td><td>441150</td><td>1</td><td>441150</td><td>1</td></t<>	41	WASHER 1.125 OD X .344 ID X 10 GA	441150	1	441150	1
50 LEVER HEIGHT CONTROL WA 351106 1 351106 1 51 GRIP LEVER LIFT 840191 1 840191 1 59 LABEL DEPTH GAUGE OS900SP 351504 1 351504 1 60 MULE ASSY - - - - 61 KNOB HAND 850154 1 850154 1 62 ROD BYPASS ARM TRANSAXLE 351304 1 351304 1 75 SPACER PULLEY JACKSHAFT 351415 1 351415 1 79 BRACKET CLUTCH CABLE 351200 1 351200 1 84 LOCKNUT WA 800227 1 800227 1 800227 1 86 STUD 3/4"-10 X 3 3/4 PLTD 351272 1 351272 1 351272 1 90 BOLT SHOULDER 3/8" X 2" 360153 2 360153 2 360153 2 91 BOLT SHOULDER 3/8" X 1/2" 830528 2 830528	42	SPEED CONTROL ASSY	351011	1	351011	1
51 GRIP LEVER LIFT 840191 1 840191 1 59 LABEL DEPTH GAUGE OS900SP 351504 1 351504 1 60 MULE ASSY - - - - 61 KNOB HAND 850154 1 850154 1 62 ROD BYPASS ARM TRANSAXLE 351304 1 351304 1 75 SPACER PULLEY JACKSHAFT 351415 1 351415 1 79 BRACKET CLUTCH CABLE 351200 1 351200 1 84 LOCKNUT WA 800227 1 800227 1 85 WASHER .75" 800109 1 800109 1 86 STUD 3/4"-10 X 3 3/4 PLTD 351272 1 351272 1 90 BOLT SHOULDER 3/8" X 2" 360153 2 360153 2 91 BOLT SHOULDER 1/2" X 2" 52031 1 520031 1 92 BOLT SHOULDER 3/8" X 1/2" 830528 2 830528 2 93 NUT LOCK 5/16"-18 8160002 10	43	CONNECTOR SPEED CONTROL	351015	1	351015	1
59 LABEL DEPTH GAUGE OS900SP 351504 1 351504 1 60 MULE ASSY - - - - 61 KNOB HAND 850154 1 850154 1 62 ROD BYPASS ARM TRANSAXLE 351304 1 351304 1 75 SPACER PULLEY JACKSHAFT 351415 1 351415 1 79 BRACKET CLUTCH CABLE 351200 1 351200 1 84 LOCKNUT WA 800227 1 800227 1 85 WASHER .75" 800109 1 800109 1 86 STUD 3/4"-10 X 3 3/4 PLTD 351272 1 351272 1 90 BOLT SHOULDER 3/8" X 2" 360153 2 360153 2 91 BOLT SHOULDER 1/2" X 2" 520031 1 520031 1 92 BOLT SHOULDER 3/8" X 1/2" 830528 2 830528 2 93 NUT LOCK 5/16"-18 8160002 10 8160002 10 94 RING RETAINING EXTERNAL 3/4" 850230	50	LEVER HEIGHT CONTROL WA	351106	1	351106	1
60 MULE ASSY 61 KNOB HAND 850154 1 850154 1 62 ROD BYPASS ARM TRANSAXLE 351304 1 351304 1 75 SPACER PULLEY JACKSHAFT 351415 1 79 BRACKET CLUTCH CABLE 351200 1 351200 1 84 LOCKNUT WA 800227 1 800227 1 85 WASHER .75" 800109 1 800109 1 86 STUD 3/4"-10 X 3 3/4 PLTD 351272 1 90 BOLT SHOULDER 3/8" X 2" 360153 2 91 BOLT SHOULDER 1/2" X 2" 520031 1 520031 1 92 BOLT SHOULDER 3/8" X 1/2" 830528 2 93 NUT LOCK 5/16"-18 8160002 10 84 8177011 6 87 SCREWCAP 5/16-24 X 1" 400164 2 400164 2 102 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8171003 4 8111 BOLT CARRIAGE 9024047 4 9024047 4 113 LOCK NUT 3/8-16 116 WASHER 1/4" SAE 8172007 10	51	GRIP LEVER LIFT	840191	1	840191	1
61 KNOB HAND 850154 1 850154 1 62 ROD BYPASS ARM TRANSAXLE 351304 1 351304 1 75 SPACER PULLEY JACKSHAFT 351415 1 351415 1 79 BRACKET CLUTCH CABLE 351200 1 351200 1 84 LOCKNUT WA 800227 1 800227 1 85 WASHER .75" 800109 1 800109 1 86 STUD 3/4"-10 X 3 3/4 PLTD 351272 1 351272 1 90 BOLT SHOULDER 3/8" X 2" 360153 2 360153 2 91 BOLT SHOULDER 1/2" X 2" 520031 1 520031 1 92 BOLT SHOULDER 3/8" X 1/2" 830528 2 830528 2 93 NUT LOCK 5/16"-18 8160002 10 8160002 10 94 RING RETAINING EXTERNAL 3/4" 850230 2 850230 2 95 WASHER SPLIT LOCK 8177011 6 8177011 6 97 SCREWCAP 5/16-24 X 1"	59	LABEL DEPTH GAUGE OS900SP	351504	1	351504	1
62 ROD BYPASS ARM TRANSAXLE 351304 1 351304 1 75 SPACER PULLEY JACKSHAFT 351415 1 351415 1 79 BRACKET CLUTCH CABLE 351200 1 351200 1 84 LOCKNUT WA 800227 1 800227 1 85 WASHER .75" 800109 1 800109 1 86 STUD 3/4"-10 X 3 3/4 PLTD 351272 1 351272 1 90 BOLT SHOULDER 3/8" X 2" 360153 2 360153 2 91 BOLT SHOULDER 1/2" X 2" 520031 1 520031 1 92 BOLT SHOULDER 3/8" X 1/2" 830528 2 830528 2 93 NUT LOCK 5/16"-18 8160002 10 8160002 10 94 RING RETAINING EXTERNAL 3/4" 850230 2 850230 2 95 WASHER SPLIT LOCK 8177011 6 8177011 6 97 SCREWCAP 5/16-24 X 1" 400164 2 400164 2 102 SCREWCAP 5/16"-18 X	60	MULE ASSY	-	-	-	-
75 SPACER PULLEY JACKSHAFT 351415 1 351415 1 79 BRACKET CLUTCH CABLE 351200 1 351200 1 84 LOCKNUT WA 800227 1 800227 1 85 WASHER .75" 800109 1 800109 1 86 STUD 3/4"-10 X 3 3/4 PLTD 351272 1 351272 1 90 BOLT SHOULDER 3/8" X 2" 360153 2 360153 2 91 BOLT SHOULDER 1/2" X 2" 520031 1 520031 1 92 BOLT SHOULDER 3/8" X 1/2" 830528 2 830528 2 93 NUT LOCK 5/16"-18 8160002 10 8160002 10 94 RING RETAINING EXTERNAL 3/4" 850230 2 850230 2 95 WASHER SPLIT LOCK 8177011 6 8177011 6 97 SCREWCAP 5/16-24 X 1" 400164 2 400164 2 102 SCREWCAP 3/8"-16 X 1 3/4" HCS ZP	61	KNOB HAND	850154	1	850154	1
79 BRACKET CLUTCH CABLE 351200 1 351200 1 84 LOCKNUT WA 800227 1 800227 1 85 WASHER .75" 800109 1 800109 1 86 STUD 3/4"-10 X 3 3/4 PLTD 351272 1 351272 1 90 BOLT SHOULDER 3/8" X 2" 360153 2 360153 2 91 BOLT SHOULDER 1/2" X 2" 520031 1 520031 1 92 BOLT SHOULDER 3/8" X 1/2" 830528 2 830528 2 93 NUT LOCK 5/16"-18 8160002 10 8160002 10 94 RING RETAINING EXTERNAL 3/4" 850230 2 850230 2 95 WASHER SPLIT LOCK 8177011 6 8177011 6 97 SCREWCAP 5/16-24 X 1" 400164 2 400164 2 102 SCREWCAP 3/8"-16 X 1 3/4" HCS ZP 8041053 1 8041053 1 105 SCREWCAP 5/16"-18 X 2" 8041036 4 8041032 1 106 SCREWCA	62	ROD BYPASS ARM TRANSAXLE	351304	1	351304	1
84 LOCKNUT WA 800227 1 800227 1 85 WASHER .75" 800109 1 800109 1 86 STUD 3/4"-10 X 3 3/4 PLTD 351272 1 351272 1 90 BOLT SHOULDER 3/8" X 2" 360153 2 360153 2 91 BOLT SHOULDER 1/2" X 2" 520031 1 520031 1 92 BOLT SHOULDER 3/8" X 1/2" 830528 2 830528 2 93 NUT LOCK 5/16"-18 8160002 10 8160002 10 94 RING RETAINING EXTERNAL 3/4" 850230 2 850230 2 95 WASHER SPLIT LOCK 8177011 6 8177011 6 97 SCREWCAP 5/16-24 X 1" 400164 2 400164 2 102 SCREWCAP 3/8"-16 X 1 3/4" HCS ZP 8041053 1 8041053 1 105 SCREWCAP 5/16"-18 X 2" 8041036 4 8041036 4 106 SCREWCAP 5/16"-18 X 2" 8041032 1 8041032 1 108 WA	75	SPACER PULLEY JACKSHAFT	351415	1	351415	1
85 WASHER.75" 800109 1 800109 1 86 STUD 3/4"-10 X 3 3/4 PLTD 351272 1 351272 1 90 BOLT SHOULDER 3/8" X 2" 360153 2 360153 2 91 BOLT SHOULDER 1/2" X 2" 520031 1 520031 1 92 BOLT SHOULDER 3/8" X 1/2" 830528 2 830528 2 93 NUT LOCK 5/16"-18 8160002 10 8160002 10 94 RING RETAINING EXTERNAL 3/4" 850230 2 850230 2 95 WASHER SPLIT LOCK 8177011 6 8177011 6 97 SCREWCAP 5/16-24 X 1" 400164 2 400164 2 102 SCREWCAP 3/8"-16 X 1 3/4" HCS ZP 8041053 1 8041053 1 105 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041036 4 106 SCREWCAP 5/16"-18 X 2" 8041032 1 8041032 1 108 WASHER 5/16 FLAT 8171003 4 8171003 4 111 <td>79</td> <td>BRACKET CLUTCH CABLE</td> <td>351200</td> <td>1</td> <td>351200</td> <td>1</td>	79	BRACKET CLUTCH CABLE	351200	1	351200	1
86 STUD 3/4"-10 X 3 3/4 PLTD 351272 1 351272 1 90 BOLT SHOULDER 3/8" X 2" 360153 2 360153 2 91 BOLT SHOULDER 1/2" X 2" 520031 1 520031 1 92 BOLT SHOULDER 3/8" X 1/2" 830528 2 830528 2 93 NUT LOCK 5/16"-18 8160002 10 8160002 10 94 RING RETAINING EXTERNAL 3/4" 850230 2 850230 2 95 WASHER SPLIT LOCK 8177011 6 8177011 6 97 SCREWCAP 5/16-24 X 1" 400164 2 400164 2 102 SCREWCAP 3/8"-16 X 1 3/4" HCS ZP 8041053 1 8041053 1 105 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041036 4 106 SCREWCAP 5/16"-18 X 2" 8041032 1 8041032 1 108 WASHER 5/16 FLAT 8171003 4 8171003 4 111 BOLT CARRIAGE 9024047 4 9024047 4	84	LOCKNUT WA	800227	1	800227	1
90 BOLT SHOULDER 3/8" X 2"	85	WASHER .75"	800109	1	800109	1
91 BOLT SHOULDER 1/2" X 2" 520031 1 520031 1 92 BOLT SHOULDER 3/8" X 1/2" 830528 2 830528 2 93 NUT LOCK 5/16"-18 8160002 10 8160002 10 94 RING RETAINING EXTERNAL 3/4" 850230 2 850230 2 95 WASHER SPLIT LOCK 8177011 6 8177011 6 97 SCREWCAP 5/16-24 X 1" 400164 2 400164 2 102 SCREWCAP 3/8"-16 X 1 3/4" HCS ZP 8041053 1 8041053 1 105 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041036 4 106 SCREWCAP 5/16"-18 X 2" 8041032 1 8041032 1 108 WASHER 5/16 FLAT 8171003 4 8171003 4 111 BOLT CARRIAGE 9024047 4 9024047 4 113 LOCK NUT 3/8-16 8160003 4 8160003 4 114 SCREW SELF TAP 1/4"-20 X 5/8" HWH TYPE F 890359 5 890359 5 115 WASHER 1/4" SAE 8172007 10 8172007 10 116 WASHER 3/8" SAE 8172009 3 8172009 3	86	STUD 3/4"-10 X 3 3/4 PLTD	351272	1	351272	1
92 BOLT SHOULDER 3/8" X 1/2" 830528 2 830528 2 93 NUT LOCK 5/16"-18 8160002 10 8160002 10 94 RING RETAINING EXTERNAL 3/4" 850230 2 850230 2 95 WASHER SPLIT LOCK 8177011 6 8177011 6 97 SCREWCAP 5/16-24 X 1" 400164 2 400164 2 102 SCREWCAP 3/8"-16 X 1 3/4" HCS ZP 8041053 1 8041053 1 105 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041036 4 106 SCREWCAP 5/16"-18 X 2" 8041032 1 8041032 1 108 WASHER 5/16 FLAT 8171003 4 8171003 4 111 BOLT CARRIAGE 9024047 4 9024047 4 113 LOCK NUT 3/8-16 8160003 4 8160003 4 114 SCREW SELF TAP 1/4"-20 X 5/8" HWH TYPE F 890359 5 890359 5 115 WASHER 3/8" SAE 8172007 10 8172007 10	90	BOLT SHOULDER 3/8" X 2"	360153	2	360153	2
93 NUT LOCK 5/16"-18 8160002 10 8160002 10 94 RING RETAINING EXTERNAL 3/4" 850230 2 850230 2 95 WASHER SPLIT LOCK 8177011 6 8177011 6 97 SCREWCAP 5/16-24 X 1" 400164 2 400164 2 102 SCREWCAP 3/8"-16 X 1 3/4" HCS ZP 8041053 1 8041053 1 105 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041036 4 106 SCREWCAP 5/16"-18 X 2" 8041032 1 8041032 1 108 WASHER 5/16 FLAT 8171003 4 8171003 4 111 BOLT CARRIAGE 9024047 4 9024047 4 113 LOCK NUT 3/8-16 8160003 4 8160003 4 114 SCREW SELF TAP 1/4"-20 X 5/8" HWH TYPE F 890359 5 890359 5 115 WASHER 3/8" SAE 8172007 10 8172007 10 116 WASHER 3/8" SAE 8172009 3 8172009 3 <td>91</td> <td>BOLT SHOULDER 1/2" X 2"</td> <td>520031</td> <td>1</td> <td>520031</td> <td>1</td>	91	BOLT SHOULDER 1/2" X 2"	520031	1	520031	1
94 RING RETAINING EXTERNAL 3/4" 850230 2 850230 2 95 WASHER SPLIT LOCK 8177011 6 8177011 6 97 SCREWCAP 5/16-24 X 1" 400164 2 400164 2 102 SCREWCAP 3/8"-16 X 1 3/4" HCS ZP 8041053 1 8041053 1 105 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041036 4 106 SCREWCAP 5/16"-18 X 2" 8041032 1 8041032 1 108 WASHER 5/16 FLAT 8171003 4 8171003 4 111 BOLT CARRIAGE 9024047 4 9024047 4 113 LOCK NUT 3/8-16 8160003 4 8160003 4 114 SCREW SELF TAP 1/4"-20 X 5/8" HWH TYPE F 890359 5 890359 5 115 WASHER 3/8" SAE 8172007 10 8172007 10 116 WASHER 3/8" SAE 8172009 3 8172009 3	92	BOLT SHOULDER 3/8" X 1/2"	830528	2	830528	2
95 WASHER SPLIT LOCK 8177011 6 8177011 6 97 SCREWCAP 5/16-24 X 1" 400164 2 400164 2 102 SCREWCAP 3/8"-16 X 1 3/4" HCS ZP 8041053 1 8041053 1 105 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041036 4 106 SCREWCAP 5/16"-18 X 2" 8041032 1 8041032 1 108 WASHER 5/16 FLAT 8171003 4 8171003 4 111 BOLT CARRIAGE 9024047 4 9024047 4 113 LOCK NUT 3/8-16 8160003 4 8160003 4 114 SCREW SELF TAP 1/4"-20 X 5/8" HWH TYPE F 890359 5 890359 5 115 WASHER 1/4" SAE 8172007 10 8172007 10 116 WASHER 3/8" SAE 8172009 3 8172009 3	93	NUT LOCK 5/16"-18	8160002	10	8160002	10
97 SCREWCAP 5/16-24 X 1" 400164 2 400164 2 102 SCREWCAP 3/8"-16 X 1 3/4" HCS ZP 8041053 1 8041053 1 105 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041036 4 106 SCREWCAP 5/16"-18 X 2" 8041032 1 8041032 1 108 WASHER 5/16 FLAT 8171003 4 8171003 4 111 BOLT CARRIAGE 9024047 4 9024047 4 113 LOCK NUT 3/8-16 8160003 4 8160003 4 114 SCREW SELF TAP 1/4"-20 X 5/8" HWH TYPE F 890359 5 890359 5 115 WASHER 1/4" SAE 8172007 10 8172007 10 116 WASHER 3/8" SAE 8172009 3 8172009 3	94	RING RETAINING EXTERNAL 3/4"	850230	2	850230	2
102 SCREWCAP 3/8"-16 X 1 3/4" HCS ZP 8041053 1 8041053 1 105 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041036 4 106 SCREWCAP 5/16"-18 X 2" 8041032 1 8041032 1 108 WASHER 5/16 FLAT 8171003 4 8171003 4 111 BOLT CARRIAGE 9024047 4 9024047 4 113 LOCK NUT 3/8-16 8160003 4 8160003 4 114 SCREW SELF TAP 1/4"-20 X 5/8" HWH TYPE F 890359 5 890359 5 115 WASHER 1/4" SAE 8172007 10 8172007 10 116 WASHER 3/8" SAE 8172009 3 8172009 3	95	WASHER SPLIT LOCK	8177011	6	8177011	6
105 SCREWCAP 5/16"-18 X 3" HCS ZP 8041036 4 8041036 4 106 SCREWCAP 5/16"-18 X 2" 8041032 1 8041032 1 108 WASHER 5/16 FLAT 8171003 4 8171003 4 111 BOLT CARRIAGE 9024047 4 9024047 4 113 LOCK NUT 3/8-16 8160003 4 8160003 4 114 SCREW SELF TAP 1/4"-20 X 5/8" HWH TYPE F 890359 5 890359 5 115 WASHER 1/4" SAE 8172007 10 8172007 10 116 WASHER 3/8" SAE 8172009 3 8172009 3	97	SCREWCAP 5/16-24 X 1"	400164	2	400164	2
106 SCREWCAP 5/16"-18 X 2" 8041032 1 8041032 1 108 WASHER 5/16 FLAT 8171003 4 8171003 4 111 BOLT CARRIAGE 9024047 4 9024047 4 113 LOCK NUT 3/8-16 8160003 4 8160003 4 114 SCREW SELF TAP 1/4"-20 X 5/8" HWH TYPE F 890359 5 890359 5 115 WASHER 1/4" SAE 8172007 10 8172007 10 116 WASHER 3/8" SAE 8172009 3 8172009 3	102	SCREWCAP 3/8"-16 X 1 3/4" HCS ZP	8041053	1	8041053	1
108 WASHER 5/16 FLAT 8171003 4 8171003 4 111 BOLT CARRIAGE 9024047 4 9024047 4 113 LOCK NUT 3/8-16 8160003 4 8160003 4 114 SCREW SELF TAP 1/4"-20 X 5/8" HWH TYPE F 890359 5 890359 5 115 WASHER 1/4" SAE 8172007 10 8172007 10 116 WASHER 3/8" SAE 8172009 3 8172009 3	105	SCREWCAP 5/16"-18 X 3" HCS ZP	8041036	4	8041036	4
111 BOLT CARRIAGE 9024047 4 9024047 4 113 LOCK NUT 3/8-16 8160003 4 8160003 4 114 SCREW SELF TAP 1/4"-20 X 5/8" HWH TYPE F 890359 5 890359 5 115 WASHER 1/4" SAE 8172007 10 8172007 10 116 WASHER 3/8" SAE 8172009 3 8172009 3	106	SCREWCAP 5/16"-18 X 2"	8041032	1	8041032	1
113 LOCK NUT 3/8-16 8160003 4 8160003 4 114 SCREW SELF TAP 1/4"-20 X 5/8" HWH TYPE F 890359 5 890359 5 115 WASHER 1/4" SAE 8172007 10 8172007 10 116 WASHER 3/8" SAE 8172009 3 8172009 3	108	WASHER 5/16 FLAT	8171003	4	8171003	4
114 SCREW SELF TAP 1/4"-20 X 5/8" HWH TYPE F 890359 5 890359 5 115 WASHER 1/4" SAE 8172007 10 8172007 10 116 WASHER 3/8" SAE 8172009 3 8172009 3	111	BOLT CARRIAGE	9024047	4	9024047	4
115 WASHER 1/4" SAE 8172007 10 8172007 10 116 WASHER 3/8" SAE 8172009 3 8172009 3	113	LOCK NUT 3/8-16	8160003	4	8160003	4
116 WASHER 3/8" SAE 8172009 3 8172009 3	114	SCREW SELF TAP 1/4"-20 X 5/8" HWH TYPE F	890359	5	890359	5
	115	WASHER 1/4" SAE	8172007	10	8172007	10
117 LOCK NUT 1/4-20 8160001 6 8160001 6	116	WASHER 3/8" SAE	8172009	3	8172009	3
11. 136KHO, 1/1.20	117	LOCK NUT 1/4-20	8160001	6	8160001	6



TRANSMISSION ASSEMBLY PARTS LIST

		OS900SPH		OS900SPS	
ITEM NO.	DESCRIPTION	PART NO.	QTY	PART NO.	QTY
123	BRACKET TORQUE LIMITING	351294	1	351294	1
125	NUT 5/16"-18 SER HEX WASHER FLNG ZP	350346	7	350346	7
126	SCREW SPOT WELD 5/16"-18 X 3/4 W/PROJ	351263	4	351263	4
129	BOLT CARRIAGE 5/16"-18 X 3/4" ZP	8024039	5	8024039	5
131	SCREWCAP 1/4"-20 X 1" HCS ZP	8041006	4	8041006	4
135	KEY 3/16" SQ X 1 1/4"	9201080	1	9201080	1
136	CABLE SPEED CONTROL RT	351219	1	351219	1
137	CABLE SPEED CONTROL LFT	351271	1	351271	1
139	SCREWCAP 5/16" SER HEX WSHR FLNG GR. 5 ZP	351264	8	351264	8
143	GROMMET 1.25" HOLE	520092	1	520092	1
146	LABEL DRIVE RELEASE OS900SP	351507	1	351507	1
150	PIN CLIP HITCH 0.051 X 3/4"	440193	1	440193	1
153	NUT LOCK 5/16"-18 LT WT TH ZP	8161041	2	8161041	2
154	WASHER FENDER 5/16"	8172020	1	8172020	1
155	SPRING LIFT ASSIST OS900SP	351254	2	351254	2
157	SCREW MACH #10-24 X 2" HWF ZP	8059143	1	8059143	1
159	SPACER EYELET SPEED CONTROL OS900SP	351256	2	351256	2
160	BEARING 1/2" ID X 1.125 OD	351257	2	351257	2
161	BOLT SHOULDER 3/8" X 1 3/4"	351258	2	351258	2
162	BRACKET SPEED CONTROL WA OS900SP	351108	1	351108	1
163	BELLCRANK SPEED CONTROL WA OS900SP	351109	2	351109	2
164	CAM SPEED CONTROL WA	351110	1	351110	1
165	BUSHING PIVOT FRAME AE	360183	2	360183	2
166	BOLT SHOULDER 5/16" X 1 1/2"	500340	1	500340	1
167	SPRING EXTENSION	800242	2	800242	2
168	BUSHING 3/8" ID X 1/2" OD X 3/8"	840078	4	840078	4
169	SCREWCAP 1/4-20 X 1 3/4 SKT BUT HD	840199	2	840199	2
170	NUT LOCK 5/8"-11 LT WT TH ZP	8161046	1	8161046	1
171	WASHER 5/8" SAE	8172013	1	8172013	1
172	SCREWCAP 5/16"-18 X 1" HCS ZP	8041028	2	8041028	2
173	PULLEY IDLER 2.75" OD X 3/8" BORE	350114	1	350114	1
174	BRACKET DRIVE BELT WA OS900SP	351104	1	351104	1
175	PULLEY 3V GROOVE IDLER	351216	1	351216	1
177	BOLT SHOULDER 1/2" X 2"	520031	1	520031	1
178	ARM IDLER MULE DRIVE WA OS900SP	351120	1	351120	1
179	SPRING IDLER MULE DRIVE OS900SP	351302	1	351302	1
180	SCREWCAP 3/8"-16 X 1 1/2" HCS ZP	8041052	1	8041052	1
182	WASHER #10 SAE	8172005	1	8172005	1
183	KEY 3/16" SQ X 2 1/8"	9201087	2	9201087	2
186	SCREWCAP 5/16"-18 X 5" HCS ZP	8041042	1	8041042	1
189	KEY 3/16" SQ X 5/8"	9201072	1	9201072	1
195	FRAME SUPPORT OS900SP WA W/LABELS	351606	1	351606	1
197	DRIVE BELT GUARD WA W/LABELS	351609	1	351609	1
198	BRACKET BELT GUIDE OSSP	351300	1	351300	1