



# AUTO GEAR MODEL 15 AUXILIARY GEARBOX ATHEY PRODUCTS: MOBIL SWEEPER

## COMPLETE ASSEMBLIES:

2.72/1.00: ATHEY		15-000-002
2.72/1.00: ATHEY		15-000-003
2.72/1.00: ATHEY	P2000755A	15-000-004
2.72/1.00: HARVEST QUEEN FARMS		15-000-005
2.72/1.00: ATHEY		15-000-006

## SERVICE KITS

- K1 OVERHAUL KIT**  
ALL
- K1-1 BEARING/OILSEAL KIT**  
ALL  
*NOTE: Tapered bearings and oilseals for ONE (1) gearbox.*
- K1-2 SHIM KIT**  
ALL  
*NOTE: Tapered bearing shims for ONE (1) gearbox.*

## GROUP A: STEM GEAR AND REAR CASE ASSY

<b>A1</b>	<b>FLANGE RETAINING FASTENERS</b> M16 X 1.5 X 40 HHCS M16 LOCKWASHER	P810773	0-183-010 0-050-001
<b>A2</b>	<b>FLANGE RETAINING WASHER</b> ALL	P812235	8-047-003
<b>A3</b>	<b>FLANGE</b> 34 SPLINES W/ SLINGER: MALE PILOT <i>NOTE: replaces 8-031-009 Athey #P810771 w/o slinger; sweepers with parking brake.</i> 34 SPLINES W/ SLINGER: FEMALE PILOT <i>NOTE: replaces 8-031-011 Athey #S812079 w/o slinger; sweepers without parking brake.</i>	P810771A S812079A	8-031-012 8-031-013
<b>A4</b>	<b>STEM GEAR SHIM KIT</b> 3.94" OD SHIMS <i>NOTE: kit contains TWO (2) each of 8-037-010 and 8-037-011, ONE (1) each of 8-037-012 and 8-037-013.</i>	P810780	8-410-009
<b>A4-1</b>	<b>STEM GEAR SHIM</b>		
	.004: BLUE	AS REQ.	NSS 8-037-010
	.005: RED	AS REQ.	NSS 8-037-011
	.012: YELLOW	AS REQ.	NSS 8-037-012
	.020: NONE	AS REQ.	NSS 8-037-013

**AUTO GEAR MODEL 15 AUXILIARY GEARBOX**  
**ATHEY PRODUCTS: MOBIL SWEEPER**

<b>A5</b>	<b>STEM GEAR KIT</b>		
	ALL	P812695	15-671-001
<b>A5-1</b>	<b>STEM GEAR</b>		
	L41-S34T: 34 SPLINES	P810768	15-171-002
<b>A5-2</b>	<b>NEEDLE BEARING</b>		
	INA #SCE1616	P810766	0-132-011
<b>A5-3</b>	<b>INBOARD STEM GEAR BEARING ASSY</b>		
	SKF #33211Q	P810781	0-633-002
	<b>A9-3A INBOARD STEM GEAR BEARING CUP</b>		
	ALL	NSS	0-133-017
	<b>A9-3B INBOARD STEM GEAR BEARING CONE</b>		
	ALL	NSS	0-133-018
<b>A5-4</b>	<b>FLANGE STOP SNAPRING</b>		
	ALL	P810767	0-139-021
<b>A6</b>	<b>RANGE SLIDING CLUTCH</b>		
	S34T	P812692	9-055-001
<b>A7</b>	<b>REAR CASE ASSY</b>		
	#8-039-904	P811315	8-539-005
<b>A7-1</b>	<b>REAR CASE</b>		
	#8-039-904	NSS	8-039-005
<b>A7-2</b>	<b>OIL PUMP OILSEAL</b>		
	ALL	P810779	0-044-007
<b>A7-3</b>	<b>OUTBOARD STEM GEAR BEARING</b>		
	SKF #NU209ECJ	P810778	0-134-004
<b>A7-4</b>	<b>OUTBOARD STEM GEAR BEARING/CASE SNAPRING</b>		
	ALL		0-139-024
<b>A7-5</b>	<b>STEM GEAR OILSEAL</b>		
	ALL	P810777	0-044-014
<b>A7-6</b>	<b>COUNTERSHAFT REAR BEARING CUP</b>		
	ALL	P810783	0-133-011
<b>A7-7</b>	<b>FILL PLUG</b>		
	3/4-16 SOCKET HEAD		0-052-012
<b>A7-8</b>	<b>DRAIN PLUG</b>		
	3/4-16 SOCKET HEAD MAGNETIC		0-052-013
<b>A7-9</b>	<b>OIL RETURN PLUG</b>		
	1/8-27 PIPE		0-052-011
<b>A8</b>	<b>REAR CASE FASTENERS</b>		
	3/8-16 X 1-3/4 HHCS	REQ. 10	102-208-1A 179845
	3/8 TOOTHED LOCKWASHERS	REQ. 8	147-10 114606
	CONCENTRIC DOWELS	REQ. 2	P803861 0-043-002
	BELLEVILLE WASHERS	REQ. 2	P803862 0-047-003

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## GROUP B: INPUT SHAFT AND ADAPTER

<b>B1</b>	INPUT SHAFT THRUST BEARING ALL		P810762	0-132-010
<b>B2</b>	INPUT SHAFT THRUST RACE ALL	REQ. 2		0-193-004
<b>B3</b>	INPUT SHAFT ALL		P810761	15-189-002
<b>B4</b>	LOW RANGE GEAR L22-S34T		P810759	8-080-004
<b>B5</b>	LOW RANGE BEARING DOUBLE ROW SINGLE ROW	REQ. 1 REQ. 2	P810760	0-132-005 0-132-006
<b>B6</b>	LOW RANGE BEARING SPACER USED W/ SINGLE ROW BEARING	AS REQ.		8-053-005
<b>B7</b>	INPUT SHAFT THRUST WASHER ALL		P810758	8-193-001
<b>B8</b>	INPUT SHAFT BEARING ASSY			
<b>B8-1</b>	CUP TIMKEN #HM801310		P803852	0-133-011
<b>B8-2</b>	CONE TIMKEN #HM801346		P810757	0-133-010
<b>B9</b>	INPUT SHAFT SHIM KIT 3.00" OD SHIMS			8-410-010
	<i>NOTE: kit contains TWO (2) each of 8-037-014 and 8-037-015, ONE (1) each of 8-037-016 and 8-037-017.</i>			
<b>B9-1</b>	INPUT SHAFT SHIM			
.004: BLUE	AS REQ.		NSS	8-037-014
.005: RED	AS REQ.		NSS	8-037-015
.012: YELLOW	AS REQ.		NSS	8-037-016
.020: NONE	AS REQ.		NSS	8-037-017
<b>B10</b>	INPUT COUPLING ALL		P809333	9-589-002
<b>B11</b>	INPUT ADAPTER #8-172-901		P803834	8-172-001



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<b>B12</b>	<b>INPUT ADAPTER/CASE FASTENERS</b>		
	3/8-16 X 1-3/8 HHCS	REQ. 5	P812690 179842
	3/8 TOOTHED LOCKWASHERS	REQ. 3	147-10 114606
	CONCENTRIC DOWELS	REQ. 2	P803861 0-043-002
	BELLEVILLE WASHERS	REQ. 4	P803862 0-047-003

### GROUP C: COUNTERSHAFT AND FRONT CASE ASSY

<b>C1</b>	<b>SPEEDOMETER ROTOR</b> S40T		P812693	0-110-003
<b>C2</b>	<b>COUNTERSHAFT REAR BEARING ASSY</b> TIMKEN #HM801310-HM801346			
<b>C2-1</b>	<b>COUNTERSHAFT REAR BEARING CUP</b> TIMKEN #HM801310		P810783	0-133-011
<b>C2-2</b>	<b>COUNTERSHAFT REAR BEARING CONE</b> TIMKEN #HM801346		P810757	0-133-010
<b>C3</b>	<b>COUNTERSHAFT CLUSTER GEAR</b> R38-26T		P812694	15-077-002
<b>C4</b>	<b>COUNTERSHAFT FRONT BEARING ASSY</b> TIMKEN #2720-2788			
<b>C4-1</b>	<b>COUNTERSHAFT FRONT BEARING CUP</b> TIMKEN #2720		P803852	0-133-006
<b>C4-2</b>	<b>COUNTERSHAFT FRONT BEARING CONE</b> TIMKEN #2788		P807286	0-133-009
<b>C5</b>	<b>COUNTERSHAFT FRONT BEARING SHIM KIT</b> 3.00" OD SHIMS			8-410-010
	<i>NOTE: kit contains TWO (2) each of 8-037-014 and 8-037-015, ONE (1) each of 8-037-016 and 8-037-017.</i>			
<b>C5-1</b>	<b>COUNTERSHAFT FRONT BEARING SHIM</b>			
	.004: BLUE	AS REQ.	NSS	8-037-014
	.005: RED	AS REQ.	NSS	8-037-015
	.012: YELLOW	AS REQ.	NSS	8-037-016
	.020: NONE	AS REQ.	NSS	8-037-017
<b>C6</b>	<b>FRONT CASE ASSY</b> #8-065-902		P810749	8-565-003
<b>C6-1</b>	<b>FRONT CASE</b> #8-065-902		NSS	8-065-003
<b>C6-2</b>	<b>INPUT OILSEAL</b> ALL		P810779	0-044-007
<b>C6-3</b>	<b>COUNTERSHAFT FRONT BEARING CUP</b> ALL		P803852	0-133-006



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C6-4	SHIFT RAIL OILSEAL			
	ALL		P803853	0-044-005
C6-5	PLUGS			
	3/8" TAPER	REQ. 1	P803860	0-113-001
	1/2" TAPER	REQ. 2	P812696	0-113-002
	1" WELCH	REQ. 1	P810752	0-113-008

### GROUP D: INTERNAL SHIFT LINKAGE

D1	SHIFT FORK			
	#28-096-901: ALUMINUM		P803864	28-096-001
D2	SHIFT RAIL			
	ALL			8-100-002
D3	SHIFT FORK/RAIL ROLLPIN			
	7/32 X 1-1/8 NF SPIROL		P803866	0-043-003
D4	DETENT BALL			
	5/16 STEEL		P803867	147487
D5	DETENT SPRING			
	ALL	AS REQ.	P803868	2-156-001
	ALL	AS REQ.		2-156-002
	30 LBS	AS REQ.	P812699	2-156-003
D6	DETENT PLUG			
	ALL		P803860	0-113-001

### GROUP E: EXTERNAL ELECTROMECHANICALS

E1	SPEEDOMETER SENSOR ASSY			
	KELSEY-HAYES (PUSH CONNECTOR)		P812242	0-640-003