



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

A1	FLANGE RETAINING FASTENERS M16 X 1.5 X 40 HHCS M16 LOCKWASHER	P810773	0-183-010 0-050-001
A2	FLANGE RETAINING WASHER ALL	P812235	8-047-003
A3	FLANGE 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
A4	STEM GEAR SHIM KIT 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
A4-1	STEM GEAR SHIM		
	.004: BLUE	AS REQ.	NSS
	.005: RED	AS REQ.	NSS
	.012: YELLOW	AS REQ.	NSS
	.020: NONE	AS REQ.	NSS
			8-037-010 8-037-011 8-037-012 8-037-013

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

B1	INPUT SHAFT THRUST BEARING ALL		P810762	0-132-010
B2	INPUT SHAFT THRUST RACE ALL	REQ. 2		0-193-004
B3	INPUT SHAFT ALL		P810761	15-189-002
B4	LOW RANGE GEAR L22-S34T		P810759	8-080-004
B5	LOW RANGE BEARING DOUBLE ROW SINGLE ROW	REQ. 1 REQ. 2	P810760	0-132-005 0-132-006
B6	LOW RANGE BEARING SPACER USED W/ SINGLE ROW BEARING	AS REQ.		8-053-005
B7	INPUT SHAFT THRUST WASHER ALL		P810758	8-193-001
B8	INPUT SHAFT BEARING ASSY			
B8-1	CUP TIMKEN #HM801310		P803852	0-133-011
B8-2	CONE TIMKEN #HM801346		P810757	0-133-010
B9	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>			
B9-1	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
B10	INPUT COUPLING ALL		P809333	9-589-002
B11	INPUT ADAPTER #8-172-901		P803834	8-172-001

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B12	INPUT ADAPTER/CASE FASTENERS		
	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

C1	SPEEDOMETER ROTOR S40T		P812693	0-110-003
C2	COUNTERSHAFT REAR BEARING ASSY TIMKEN #HM801310-HM801346			
C2-1	COUNTERSHAFT REAR BEARING CUP TIMKEN #HM801310		P810783	0-133-011
C2-2	COUNTERSHAFT REAR BEARING CONE TIMKEN #HM801346		P810757	0-133-010
C3	COUNTERSHAFT CLUSTER GEAR R38-26T		P812694	15-077-002
C4	COUNTERSHAFT FRONT BEARING ASSY TIMKEN #2720-2788			
C4-1	COUNTERSHAFT FRONT BEARING CUP TIMKEN #2720		P803852	0-133-006
C4-2	COUNTERSHAFT FRONT BEARING CONE TIMKEN #2788		P807286	0-133-009
C5	COUNTERSHAFT FRONT BEARING 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>			
C5-1	COUNTERSHAFT FRONT BEARING 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
C6	FRONT CASE ASSY #8-065-902		P810749	8-565-003
C6-1	FRONT CASE #8-065-902		NSS	8-065-003
C6-2	INPUT OILSEAL ALL		P810779	0-044-007
C6-3	COUNTERSHAFT FRONT BEARING CUP 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