

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		
	<i>NOTE: Tapered bearings and oilseals for ONE (1) gearbox.</i>		
K1-2	Shim Kit		
	all		
	<i>NOTE: Tapered bearing shims for ONE (1) gearbox.</i>		

GROUP A: STEM GEAR AND REAR CASE ASSY

A1	Flange Retaining Fasteners		
	M16 x 1.5 x 40 HHCS	P810773	0-183-010
	M16 lockwasher		0-050-001
A2	Flange Retaining Washer		
	all	P812235	8-047-003
A3	Flange		
	34 splines w/ slinger: male pilot	P810771A	8-031-012
	<i>NOTE: replaces 8-031-009 Athey #P810771 w/o slinger; sweepers with parking brake.</i>		
	34 splines w/ slinger: female pilot	S812079A	8-031-013
	<i>NOTE: replaces 8-031-011 Athey #S812079 w/o slinger; sweepers without parking brake.</i>		
A4	Stem Gear Shim Kit		
	3.94" OD shims	P810780	8-410-009
	<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>		
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
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 Snapping		
	all	P810767	0-139-021
A6	Range Sliding Clutch		
	S34T	P812692	9-055-001

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A7	Rear Case Assy				
	#8-039-904		P811315		8-539-005
A7-1	Rear Case		NSS		8-039-005
	#8-039-904				
A7-2	Oil Pump Oilseal		P810779		0-044-007
	all				
A7-3	Outboard Stem Gear Bearing		P810778		0-134-004
	SKF #NU209ECJ				
A7-4	Outboard Stem Gear Bearing/Case Snapping				0-139-024
	all				
A7-5	Stem Gear Oilseal		P810777		0-044-014
	all				
A7-6	Countershaft Rear Bearing Cup		P810783		0-133-011
	all				
A7-7	Fill Plug				0-052-012
	3/4-16 socket head				
A7-8	Drain Plug				0-052-013
	3/4-16 socket head magnetic				
A7-9	Oil Return Plug				0-052-011
	1/8-27 pipe				
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

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	req. 1	P810760		0-132-005
	single row	req. 2			0-132-013
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

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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.

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
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
C6-4	Shift Rail Oilseal			

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C6-5	all Plugs 3/8" taper 1/2" taper 1" Welch	req. 1 req. 2 req. 1	P803853 P803860 P812696 P810752	0-044-005 0-113-001 0-113-002 0-113-008
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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 all 30 lbs	as req. as req. as req.	P803868 P812699	2-156-001 2-156-002 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
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