



Suggested Spares Guide



370 Engine Side Feed Baler With Gearbox 14", 15", 16" Chambers

89-068

A Product of

Allied Systems
COMPANY

Sherwood, Oregon USA

Rev: 11-2013

Part Number	Description	Qty On Baler	Order Qty
Section 1 - Front End			
HTH0021097	Hitch	1	
HTH0031000	Hitch Ball W/Nut & Washer	1	
F000000440	Ferrule, Drawbar Latch Lever	1	
Section 2 - Frame and Tension System (Hay Dogs, Chamber, Hub/Spindles)			
F000000188	Spring, Hay Dog	8	
F000000220	Pin, Hay Dog	8	
F000001589	Kit, Hay Dog Pads W/Screws	8	
F000007911	Hay Dog, Top (16", 15", 14")	4	
F000008105	Bottom Twine Guide Pipe	1	
F000007439	Knife Guide, Under Feed Opening	1	
F000000837	Hay Dog, Bottom (16")	4	
F000001609	Stationary Knife (16")	1	
F000001629	Bolt & Nut, Stationary Knife (16")	4	
DOG0018520	Hay Dog, Bottom (15")	4	
KNF0018468	Stationary Knife (15")	1	
F000001629	Bolt & Nut, Stationary Knife (15")	4	
DPT0034314	Adapter, Knife Guide (15")	1	
906717	Hay Dog, Bottom (14")	4	
F000007744	Stationary Knife (14")	1	
F000001629	Bolt & Nut, Stationary Knife (14")	3	
903368	Adapter, Knife Guide (14")	1	
CBL1743324	Cable, Tension	1	
FT00000280	Tension Bypass Valve Assy, Complete	1	
FR00000221	Hose Assembly, Tension Bypass Valve to Cylinder	1	
231417	Hose Assembly, Tension Supply	1	
906297	Hose Assembly, Tension Return	1	
253403	Gauge, Tension Control	1	
FT00000276	Tension Ram	1 to 4	
RNG0002342	. O-Ring, Tension Cylinder, Head and Piston	2/Ram	
Y076800-342	. Backup Ring, Tension Cylinder, Piston	1/Ram	
2305351W	. O-Ring, Tension Cylinder, Piston Rod	1/Ram	
F000008003	Hub/Spindle Assembly, Highway/8-Ply Float	2	
F000008002	. Hub Assembly	2	
F000007995	. Retainer, Grease	2	
F000008000	. Hub Cap	2	

Part Number	Description	Qty On Baler	Order Qty
Section 4 - Power Unit (Engine, Clutch)			
252494	Oil Filter	1	
257240	Fuel Filter	1	
255494	Air Filter, Outer	1	
255495	Air Filter, Inner	1	
ACL0002251	Air Restriction Indicator, Mini	1	
257241	Belt, Alternator	1	
253343	Belt, Cooling Fan	1	
256812	Belt, Drive	1	
SWI0001140	Switch, Ignition	1	
DTZ1173470	Head Temperature Switch	1	
257239	Oil Temperature Switch	1	
257238	Oil Pressure Sender	1	
257242	Stop Switch, Broken Belt	1	
CIR0029071	Auto Shutdown Module	1	
253015	Fuel Solenoid	1	
CLH0203569	Clutch Facing Plate	1	
CLH0332919	Clutch Kit	1	
CBL1743180	Cable Throttle	1	
F000001689	Cap, Fuel Tank	1	
256629	Hydraulic Pump	1	
FILS1510V3	Hydraulic Filter, In Tank	1	
906860	Hydraulic Filter Element, High Pressure	1	
FIL0HF6613	Hydraulic Filter Element, Return	1	
905462	Flow Control Valve, Hydraulic	1	
242101	. Seal Kit	1	
GAG0000001	Gauge, Tension Pressure	1	
907097	Hose Kit	1	
Section 5 - Drive System (Flywheel, Gearbox, Con Rod, Plunger, Stop Dog)			
BGR072DU32	Flywheel Bushing, (Replace in Pairs)	2	
SEL0045025	Oil Seal, Flywheel	2	
BSH0031142	Shear Bushing, Flywheel (Flanged)	1	
906700	Shear Bolt & Nut Kit, Flywheel	1	
HUB0031140	Shear Hub, Flywheel	1	
BSH0031143	Shear Bushing, Shear Hub	1	
904468	Pin, Connecting Rod To Gearbox	1	
F000007035	Seal, Side Plate Assembly	2	
F000007033	Bearing Cone, Side Plate Assembly	2	

Part Number	Description	Qty On Baler	Order Qty
Section 5 - Drive System (Flywheel, Pinion, Bullgear, Con Rod, Plunger, Stop Dog) Cont...			
204631	Bearing Cup, Side Plate Assembly	2	
F000007036	Race, Seal, Side Plate Assembly	1	
F000007037	Nut, Adjusting, Side Plate Assembly	1	
F000008100	Bearing, Connecting Rod To Gearbox	2	
903615	Bearing Housing, Connecting Rod To Gearbox	1	
PIN0008670	Pin, Connecting Rod To Bearing Housing	1	
F000008078	Bushing, Connecting Rod To Bearing Housing	1	
F000008077	Race, Inner, Connecting Rod To Bearing Housing	2	
F000007914	Pin, Connecting Rod To Plunger	1	
R1574466	Bearing, Connecting Rod - Plunger	1	
F000007917	Snap Ring, Connecting Rod - Plunger	2	
ZZ00000200	Bushing, Connecting Rod - Plunger	A/R	
ZZ00000202	Bushing, Connecting Rod - Plunger	A/R	
ZZ00000203	Bushing, Connecting Rod - Plunger	A/R	
BON0000002	Snap Ring, Gearbox Input Shaft	2	
BON0000006	Dirt Excluder, Gearbox Input Shaft	1	
BON0000007	Oil Seal, Gearbox Main Shaft	2	
BON0000008	Oil Seal, Gearbox Input Shaft	1	
KNF0011157	Plunger Knife (16")	1	
KNF1115715	Plunger Knife (15")	1	
KNF0021901	Plunger Knife (14")	1	
F000000227	Plunger Knife Bolt	3	
F000008056	Plunger Face Adjusting Pad, RH	1	
F000008057	Plunger Face Adjusting Pad, Ctr	2	
F000008058	Plunger Face Adjusting Pad, LH (Wiper) (16")	1	
PLG0018049	Plunger Face Adjusting Pad, LH (Wiper) (15")	1	
F008058-14	Plunger Face Adjusting Pad, LH (Wiper) (14")	1	
F000000775	Plunger Roller, Bottom	4	
PIN0007831	Plunger Roller Pin	4	
BRG0001636	Plunger Roller, Top	1	
F000001537	Plunger Slide	4	
F000000986	Roller Wiper	2	
F000000774	Roller Wiper	2	
NYL0000250	Tubing, Lubrication, Plunger	9 Feet*	
F000001441	Lube Fitting, Elbow W/Sleeve	8	
F000007547	Stop Dog, Plunger (16" & 14")	1	
DOG0018185	Stop Dog, Plunger (15")	1	

* Indicates that the part is used in multiple locations. Qty shown is for the listed location only.

Part Number	Description	Qty On Baler	Order Qty
Section 6 - Pickup (Pickup, Drive Chain Assy)			
BRG0000202	Pickup Driveshaft Bearing, Outer	1	
F000007063	Pickup Driveshaft Bearing, Inner	1*	
BRG0020016	Pickup Clutch Bushing	1	
F000001791	Pin, Clutch, Pickup Drive Chain	2	
F000001790	Spring, Clutch Pin, Pickup Drive Chain	2	
F000001793	Friction Disk, F/PTO to Clutch, Pickup Drive Chain	2	
SHF0021219	Shaft, Pickup Drive Chain Assy	1	
ZZ00000228	Bushing, Pickup Drive Chain Assy, Spk - Brg.	1	
BRG0006219	Pickup Tooth Bar Cam Lever Bearing	12	
CAM0033355	Pickup Tooth Bar Cam Lever Assy.	6	
LEV0033355	. Cam Lever	1	
BRG0002029	. Bearing	1	
BSH0006231	. Bushing	1	
222477	. Capscrew	1	
NCX0005000	. Nut	1	
F000000101	Pickup Tooth Guide Pipe	60	
NFX0000313	Nut, Flex Loc, Pickup Tooth Attaching	96	
PCY0033352	Spacer, Pickup Tooth	78	
SHF0033356	Pivot Shaft, Pickup Tooth Bar	6	
TTH0033171	Pickup Tooth	78	
STR0033500	Stripper, Outer, Pickup	1	
STR0033501	Stripper, Inner, Pickup	1	
STR0033502	Stripper, Center, Pickup	25	
F000000440	Ferrule, Lift Spring Plate, Pickup Assy	1	
BRG0067000	Bearing, Pickup Auger	2	
F000008011	Bearing Cup, Pickup Auger	2	
SPK0002318	Sprocket, Idler, Pickup Auger	2	
SPK0040030	Sprocket, Driven, Pickup Auger	1	
SPK0040045	Sprocket, Drive, Pickup Auger	1	
CHN0040125	Drive Chain, Pickup Auger	1	
F000004073	Master Link, Pickup Auger Drive Chain	3	
F000008102	Kit, Bearing/Flanges, Pickup Real Shaft	2	
F000008339	Kit, U-Joint Repair, Pickup Driveline	2	

* Indicates that the part is used in multiple locations. Qty shown is for the listed location only.

Part Number	Description	Qty On Baler	Order Qty
Section 7 - Feeder and Feed Fork (Feed Arm, Fork, House)			
F000007145	Wear Plate, Feed House-Chamber (16")	1	
PLT0028360	Wear Plate, Feed House-Chamber (15")	1	
903374	Wear Plate, Feed House-Chamber (14")	1	
F000000281	Spring, Feed House Latch	1	
F000001563	Catch, Torque Shaft	1	
F000007276	Ferrule, Feeder House Latch	1	
F000008264	Bumper, Rubber, Feed Arm Stop	1	
F000008231	Feed Fork Frame	1	
F000001195	Clip, Feed Fork	3	
F000007970	Strap, Inside, Rear Feed Fork Tines	3	
F000007971	Strap, Outside, Rear Feed Fork Tines	3	
F000007967	Tine, Inside Trailing	1	
F000007968	Tine, Center Trailing	1	
F000007969	Tine, Outside Trailing	1	
F000001189	Tine, Middle	1	
F000001603	Tine, Leading	2	
F000001193	Feed Fork Tine Bushing	15	
F000000822	Feed Arm, Spring Arm Cam Follower	1	
F000004050	Latch Roller	1	
F000007529	Pivot Shaft Arm	1	
F000007604	Hook, Feed Arm Latch	1	
F000007605	Pin, Latch Hinge	1	
F000007606	Trip Arm	1	
F000001556	. Feed Arm Trip Lever Bushing	1	
F000007607	Inner Race, Latch Hinge	1	
F000007610	Latch Hinge	1	
F000008126	Shaft, Pivot Feed Arm	1	
F000008129	Cap, Bearing Housing, Pivot Shaft, Feed Arm	1	
F000008130	Retaining Ring, Bearing Housing, Pivot Shaft, Feed Arm	1	
F000008131	Nut, Bearing Housing, Pivot Shaft, Feed Arm	2	
F000008132	Lock Washer, Bearing Housing, Pivot Shaft, Feed Arm	1	
F000008133	Bearing Cup, Bearing Housing, Pivot Shaft, Feed Arm	1	
F000008134	Bearing Cone, Bearing Housing, Pivot Shaft, Feed Arm	2	
F000008135	Seal, Oil, Bearing Housing, Pivot Shaft, Feed Arm	1	
F000008136	Dust Cap, Bearing Housing, Pivot Shaft, Feed Arm	1	
F000008139	Sleeve, Pivot Shaft, Feed Arm	1	
F000008141MP2	Bushing, Pair, Feed Arm	1 PR	
F000008187	Washer, Feed Arm Height	A/R	

Part Number	Description	Qty On Baler	Order Qty
Section 7 - Feeder and Feed Fork (Feed Arm, Fork, House) Cont...			
F000008334	Washer, Feed Arm Pivot Shaft	A/R	
F000008262	Sleeve, Spring Arm	1	
PIN24065-1	Kit, Feed Arm Pin (Pin, Bearing, Nuts)	1	
903598	Kit, Latch Roller Assy	1	
Section 8 - Knotter (Conventional)			
903677	Knotter Drive Sprocket	1	
256798	Knotter Offset Sprocket	2	
F000007397	Idler Sprocket	5	
F000007063	Bearing, Offset Shaft	2*	
906341	Knotter Drive Chain (Long)	1	
906342	Knotter Drive Chain (Short)	1	
902535	Knotter Top Plate	1	
F000007891	Twine Tension Assy	3	
F000007890	. Top Plate, Twine Tensioner	1	
F000007449	Brake Plate & Lining, Inside, Knotter	1	
F000007450	Brake Plate & Lining, Outer, Knotter	1	
F000007453	Spring, Brake Plate, Knotter	2	
F000007454	Kit, Brake Lining (2) W/Rivets (6)	1	
F000007559	Spring, Saddle Lever, Knotter Brake	1	
F000007585	Sleeve, Saddle Lever Anchor, Knotter	1	
F000007586	Bushing, Saddle Lever Anchor, Knotter	1	
F000007587	Seal, Saddle Lever Assy, Knotter	2	
F000004089	Grease Fitting, Saddle Lever Roller	1	
CLH0020799	Clutch Pawl, Knotter	1	
F000004115	Spring, Knotter Clutch Pawl	1	
PIN0020739	Pin, Clutch Pawl	1	
F000004134	Bearing, Knotter Clutch Disk	1	
F000004135	Inner Race, Knotter Clutch Disk	1	
F000004136	Large Washer, Clutch Housing-to-Disk	1	
F000007063	Bearing, Knotter Shaft	2*	
F000008084	Rod, Chain Tightener, Knotter Drive	1	
F000001517	Twine Finger Shaft Spring	1*	
F000008144	Twine Finger Bushing Nut	3	
ROD0020044	Twine Finger Drive Rod	3	
F000000159	Twine Finger Drive Rod End Block	3	
221708W	Twine Finger Drive Rod Jam Nut	3	
F00008335	Twine Finger	3	
F000008095	Kit, Bearing/Flanges, Twine Finger Drive Shaft	2	

* Indicates that the part is used in multiple locations. Qty shown is for the listed location only.

Part Number	Description	Qty On Baler	Order Qty
Section 8 - Knotter (Conventional) Cont...			
KNT006006A	Knotter Head Assy, Conventional (Includes Shaded Items below)	3	
<i>900182</i>	<i>. Kit, One Knotter Rebuild</i>	<i>Qty In Kit</i>	
<i>F000008050</i>	<i>.. Arm, Knife, Complete</i>	<i>1</i>	
<i>F000008274</i>	<i>... Roller, Knife Arm</i>	<i>1</i>	
<i>F000008280</i>	<i>... Washer, Roller, Knife Arm</i>	<i>2*</i>	
<i>F000008049</i>	<i>... Knife, Twine</i>	<i>1</i>	
<i>F000007860</i>	<i>.. Washer, Knife Arm, Knotter</i>	<i>1</i>	
<i>F000008051</i>	<i>.. Cam, Knotter Hook</i>	<i>1</i>	
<i>F000007868</i>	<i>.. Twine Holder</i>	<i>1</i>	
<i>F000008052</i>	<i>.. Spring, Twine Holder</i>	<i>3</i>	
<i>F000007876</i>	<i>.. Shaft, W/Worm Gear</i>	<i>1</i>	
<i>F000007871</i>	<i>.. Pinion, Twine Holder</i>	<i>1</i>	
<i>GER0007873</i>	<i>.. Pinion Gear, Worm Shaft, Knotter</i>	<i>1</i>	
<i>RS00006015</i>	<i>.. Bill Hook (Standard < 280 Twine)</i>	<i>1</i>	
<i>253270</i>	<i>.. Pinion, Bill Hook</i>	<i>1</i>	
<i>RS00006002</i>	<i>.. Bushing, Bill Hook</i>	<i>1</i>	
<i>253271</i>	<i>.. Spiral Pin, Bill Hook Gear</i>	<i>1</i>	
<i>RS00006003</i>	<i>.. Bushing, Twine Disk</i>	<i>1</i>	
<i>RS00006085</i>	<i>.. Retainer, Twine Disk</i>	<i>1</i>	
<i>RS00602201</i>	<i>.. Bushing, Knife Arm</i>	<i>1</i>	
RS206377212	. Kit, Knife Arm Pin, Washers, Nut	3	
F000007976	. Snap Ring, Knife Arm Shaft, Knotter	1	
F000001680	. Washer, Knotter Worm Shaft	1*	
RS05227344	. Pin, Spiral, Worm Pinion & Twine Disk Pinion	2	
RS00006035	. Bill Hook (Option, Larger = > 280 Twine)	1	
RS00003786	. Trigger, Bill Hook	1	
RS00001514	. Roll Pin, Bill Hook	1	
F000008068	. Spacer, Bill Hook Pinion 0.020"	A/R**	
F000008069	. Spacer, Bill Hook Pinion 0.035"	A/R**	
F000007870	. Cleaner, Twine Disc	2	
900249	. Knotter Clutch Disk	1	
F000007948	. Screw, Adjusting Hook Cam	2	
GER0006068	Gear, Modular Cam, Knotter	3	
F000008199	Sight Tube, Knotter Lube Tank	2	
FIL0009052	Filter, Knotter Luber	1	
259013	. Element & Seal Kit, Knotter Luber	1	
259014	. Spring Kit, Knotter Luber	1	

* Indicates that the part is used in multiple locations. Qty shown is for the listed location only.

Part Number	Description	Qty On Baler	Order Qty
Section 8 - Knotter (Conventional) Cont...			
F000001441	Lube Fitting, Elbow W/Sleeve (To Manifold)	1	
F000008312	Sleeve, Luber Manifold, Knotter	1	
F000008306	Ferrule, Auto Luber Fitting	18	
LUB0083313	Injector, Luber, Knotter, With Compression Nut/Sleeve	18	
LUB0083924	. Compression Nut/Sleeve, Injector, Knotter	18	
NYL0001250	Tubing, Lubrication, Knotter	60 Feet*	
F000008287	Lube Fitting, Knotter	6	
F000008288	Lube Fitting, Knotter	12	
F000004160	Bushings, Knotter Shaft (14 GA)	A/R	
F000004161	Bushings, Knotter Shaft (18 GA)	A/R	
256353	Bale Counter	1	
BRG0001572	Follower Cam, Knotter Trip Bar	1	
F000000278	Spring, Knotter Trip Arm	1	
F000001517	Knotter Trip Spring	1*	
F000000440	Ferrule, Knotter Trip Mount	1	
F000001687	Friction Disk	1	
F000008023	Guide Washer, Friction Disk	2	
F000001531	Meter Wheel	1	
KNT0032132	Bar, Trip Meter	1	
Section 9 - Needle Yoke and Needles			
903207	Needle Yoke	1	
903702	Bearing Assy, Needle Yoke	2	
256736	. Bearing, Needle Yoke	1	
226272	Bushing, Needle Yoke	2	
F000001549	Needle Yoke Drive Rod End, RH	2	
F000001550	Needle Yoke Drive Rod End, LH	2	
ZZ00000118	Grease Fitting, Needle Yoke Drive Rod Ends	4	
F000001611	Needle	3	
F000000856	Twine Guide Bushing	13	
F000000857	Twine Guide Snap Ring	13	
F000007552	Kit, Carriage Bolt & Nut, Needle to Yoke	6	
SPG0020662	Spring, Stop Dog Return	1	

* Indicates that the part is used in multiple locations. Qty shown is for the listed location only.

Part Number	Description	Qty On Baler	Order Qty
Section 11 - Electrical System			
229289	Light Switch	1	
DTZ0000626	Switch, Push Button	2	
CBK0005510	Circuit Breaker, 10A	1	
CBK0014520	Circuit Breaker, 20A	1	
200274	Circuit Breaker, 30A	1	
LIT0001815	Lamp, Warning	4	
LIT1251131	Lens, Red, Warning Lamp	4	
901521	Work Light	3	
LIT037164B	Tail Light Assy, RH	1	
LIT037163B	Tail Light Assy, LH	1	
Section 12 - Misc Parts/ Tools			
F000004067	Cable Roller, Bale Weight Indicator	1	
X-203242	Hay Dog Tool		
WRN035826B	Wrench, Feed Fork Pivot Shaft		
WRN036554B	Wrench, Bearing Locknut		
588466	Socket Set, 3/8" Drive, 3/8" - 7/8" STD/Deep 22 Piece		
588467	Socket Set, 1/2" Drive, 3/8" - 1-1/4" STD/Deep 30 Piece		
588468	Socket Set, 3/4" Drive, 7/8" - 2-3/8" STD 29 Piece		
588469	Combination Wrench Set, 5/16" - 2-1/2" 31 Piece		
588528	Combination Wrench Set, 7mm - 24mm, 18 Piece		
588527	Hex Key Set, 1/4" - 5/8", 18 PC		
906600	Kit, Digital Pressure Gauge W/Female QD, -14.5 to +250 psi		

Notes:

* In the "Qty On Baler" column indicates that the part is used in more than one location. Qty shown is for the listed location only.

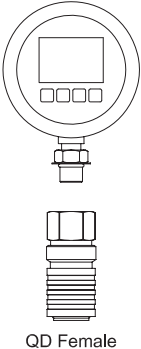
One dot preceding the description indicates that the item is a component part of the previously listed item or assembly with no dot. Two dots preceding the description indicates that the item is a component part of the previously listed item or assembly with one dot. Example below, the "Rubber Boot Seal" is included in the "Switch Assembly." Qty's listed for component parts indicate how many are included in the previously listed item.

Switch Assembly 4 (# assemblies on baler)
. Rubber Boot Seal 1 (# seals in assembly)

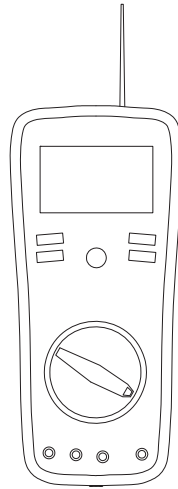
Please include your baler serial number when ordering parts.

Diagnostic Tools

906601
 Kit, Digital Pressure Gauge
 W/Female QD Connector
 0 to 8700 PSI



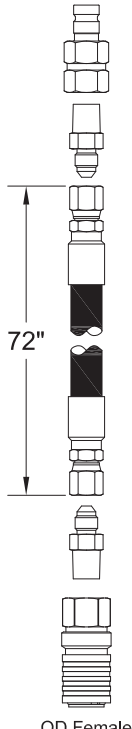
QD Female



69778
 Multi-Meter, 12 Function
 AC/DC Voltage & Current, Resistance,
 Capacitance, Frequency, Type K & IR
 Temperature, Diode/Continuity, Duty Cycle
 Non-Contact InfraRed Thermometer
 CAT III Test Leads
 Type K Bead Wire Temp Probe

Order from Allied Systems
 Service Parts Department
 503-625-2560.

QD Male

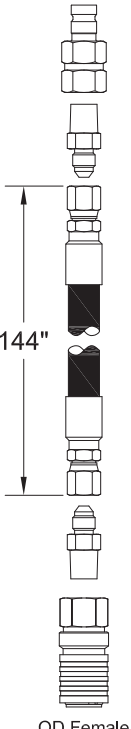


72"

QD Female

69782
 Kit, Hose Assembly, W/QD Both Ends









QD Male



144"

QD Female

70381
 Kit, Hose Assembly, W/QD Both Ends

- | | |
|---|---|
| <p>QD Male</p>  <p>1/8 NPT Male</p> <p>R14038</p> | <p>QD Male</p>  <p>1/8 NPT Female</p> <p>R14045</p> |
| <p>QD Male</p>  <p>#6 JIC Female</p> <p>236625</p> | <p>QD Male</p>  <p>#8 JIC Female</p> <p>253326</p> |
| <p>QD Male</p>  <p>1/4 NPT Female</p> <p>228040</p> | <p>QD Male</p>  <p>#4 JIC Female</p> <p>R330325</p> |
| <p>QD Male</p>  <p>#4 SAE Male</p> <p>R14040</p> | <p>QD Male</p>  <p>#6 SAE Male</p> <p>R14082</p> |



To find a dealer in your area,
Call: 503-625-2560,
Fax: 503-625-7269, or

Visit our website: <http://www.alliedsystems.com>

Allied Systems
COMPANY

89-068 11/2013
Printed in USA