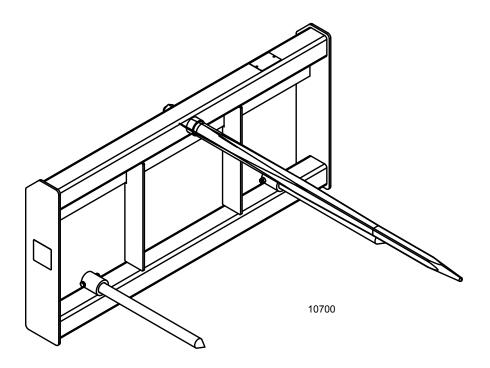


OPERATOR'S AND PARTS MANUAL

BRADCO FFC. () HARLEY McMillen **SWEEPSTER**

The Power of Combined Excellence

BALE SPEAR



SERIAL NUMBER:	Manual Number: 51-10027
	Models: 10700, 10704

& 10712; 11710 11920, 11930 & 11932

MODEL NUMBER: _____ Rev. 2

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INTRODUCTION

Congratulations on your purchase of a new FFC Bale Spear. This product has been designed and built to lift, transport, and stack round bales of organic materials. You or any other person who will be assembling, operating, maintaining, or working with this product are required to read and completely understand the information and instructions contained in this manual. If anyone does not fully understand every part of this manual, please obtain further assistance by contacting the dealer from which this product was purchased or by contacting FFC at the telephone number or address listed on the cover of this manual. Keep this manual available for reference whenever this product is being handled or used. Provide this manual to any new owners and/or operators.

This manual covers model(s) 10700, 10704, 11712, 11910, 11920, 11930 and 11932.

GENERAL INFORMATION

The purpose of this manual is to assist in assembling, mounting, operating, and maintaining your attachment. Read this manual carefully to obtain valuable information and instructions that will help you achieve years of safe and dependable service.

The illustrations and data used in this manual were current at the time of printing, but due to possible engineering and/or production changes, this product may vary slightly in detail. FFC reserves the right to redesign and/or change components as may be necessary without notification to anyone.

Throughout this manual, references may be made to:

Prime Mover	The engine-driven machine to which this product must be attached.
Right, Left, Front,	Directions that are determined in relation to the operator of the equip-
Rear	ment when seated in the normal operation position.
IMPORTANT	Precautions that must be followed to prevent substandard performance.

SERIAL NUMBER LOCATION

Always refer to the model and serial number when ordering parts or requesting information from your dealer. See Safety Signs section for the location of the serial number plate for this product.

Reference Information				
Model Number Loader Make				
Serial Number Loader Model				
Date Purchased	Loader Serial Number			

SAFETY STATEMENTS



THIS SYMBOL BY ITSELF OR WITH A WARNING WORD THROUGHOUT THIS MANUAL IS USED TO CALL YOUR ATTENTION TO INSTRUCTIONS INVOLVING YOUR PERSONAL SAFETY OR THE SAFETY OF OTHERS. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY OR DEATH.

DANGER THIS SIGNAL WORD IS USED WHERE SERIOUS INJURY OR DEATH WILL RESULT IF THE INSTRUCTIONS ARE NOT FOLLOWED PROPERLY.

WARNING THIS SIGNAL WORD IS USED WHERE SERIOUS INJURY OR DEATH COULD RESULT IF THE INSTRUCTIONS ARE NOT FOLLOWED PROPERLY.

CAUTION THIS SIGNAL WORD IS USED WHERE MINOR INJURY COULD RESULT IF THE INSTRUCTIONS ARE NOT FOLLOWED PROPERLY.

NOTICE NOTICE INDICATES A PROPERTY DAMAGE MESSAGE.

GENERAL SAFETY PRECAUTIONS

WARNING! READ MANUAL PRIOR TO INSTALLATION



Improper installation, operation, or maintenance of this equipment could result in serious injury or death. Operators and maintenance personnel should read this manual, as well as all manuals related to this equipment and the prime mover thoroughly before beginning installation, operation, or maintenance. FOLLOW ALL SAFETY INSTRUCTIONS IN THIS MANUAL AND THE PRIME MOVER'S MANUAL(S).



READ AND UNDERSTAND ALL SAFETY STATEMENTS

Read all safety decals and safety statements in all manuals prior to operating or working on this equipment. Know and obey all OSHA regulations, local laws, and other professional guidelines for your operation. Know and follow good work practices when assembling, maintaining, repairing, mounting, removing, or operating this equipment.



KNOW YOUR EQUIPMENT

Know your equipment's capabilities, dimensions and operations before operating. Visually inspect your equipment before you start, and never operate equipment that is not in proper working order with all safety devices intact. Check all hardware to ensure it is tight. Make certain that all locking pins, latches, and connection devices are properly installed and secured. Remove and replace any damaged, fatigued, or excessively worn parts. Make certain all safety decals are in place and are legible. Keep decals clean, and replace them if they become worn and hard to read.

GENERAL SAFETY PRECAUTIONS

WARNING! PROTECT AGAINST FLYING DEBRIS



Always wear proper safety glasses, goggles or a face shield when driving pins in or out, or when any operation causes dust, flying debris, or any other hazardous material.

WARNING! LOWER OR SUPPORT RAISED EQUIPMENT



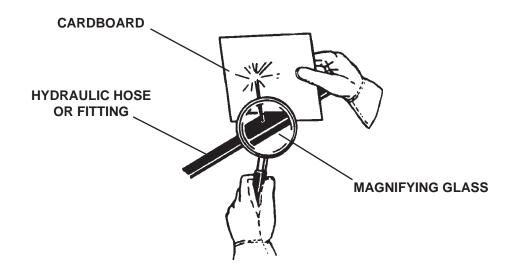
Do not work under raised booms without supporting them. Do not use support material made of concrete blocks, logs, buckets, barrels or any other material that could suddenly collapse or shift positions. Make sure support material is solid, not decayed, warped, twisted, or tapered. Lower booms to ground level or onto blocks. Lower booms and attachments to the ground before leaving the cab or operator's station.

WARNING! USE CARE WITH HYDRAULIC FLUID PRESSURE



Hydraulic fluid under pressure can penetrate the skin and cause serious injury or death. Hydraulic leaks under pressure may not be visible. Before connecting or disconnecting hydraulic hoses, read your prime movers operator's manual for detailed instructions on connecting and disconnecting hydraulic hoses or fittings.

- Keep unprotected body parts, such as face, eyes, and arms as far away as possible from a suspected leak. Flesh injected with hydraulic fluid may develop gangrene or other permanent disabilities.
- If injured by injected fluid, see a doctor at once. If your doctor is not familiar with this type of injury, ask him to research immediately to determine proper treatment.
- Wear safety glasses, protective clothing, and use a sound piece of cardboard or wood when searching for hydraulic leaks. DO NOT USE YOUR HANDS! SEE ILLUSTRATION.



GENERAL SAFETY PRECAUTIONS

WARNING! DO NOT MODIFY MACHINE OR ATTACHMENTS



Modifications may weaken the integrity of the attachment and may impair the function, safety, life, and performance of the attachment. When making repairs, use only the manufacturer's genuine parts, following authorized instructions. Other parts may be substandard in fit and quality. Never modify any ROPS (Roll Over Protection Structure) or FOPS (Falling Object Protective Structure) equipment or device. Any modifications must be authorized in writing by the manufacturer.

WARNING! SAFELY MAINTAIN AND REPAIR EQUIPMENT



- Do not wear loose clothing, or any accessories that can catch in moving parts. If you have long hair, cover or secure it so that it does not become entangled in the equipment.
- Work on a level surface in a well-lit area.
- Use properly grounded electrical outlets and tools.
- Use the correct tool for the job at hand. Make sure they are in good condition for the task required.
- Wear the protective equipment specified by the tool manufacturer.

WARNING! SAFELY OPERATE EQUIPMENT



Do not operate equipment until you are completely trained by a qualified operator in how to use the controls, know its capabilities, dimensions, and all safety requirements. See your machine's manual for these instructions.

- Keep all step plates, grab bars, pedals, and controls free of dirt, grease, debris, and oil.
- Never allow anyone to be around the equipment when it is operating.
- Do not allow riders on the attachment or the prime mover.
- Do not operate the equipment from anywhere other than the correct operators position.
- Never leave equipment unattended with the engine running or with this attachment in a raised position.
- Do not alter or remove any safety feature from the prime mover or this attachment.
- Know your work site safety rules as well as traffic rules and flow. When in doubt on any safety issue, contact your supervisor or safety coordinator for an explanation.

WARNING! KNOW WHERE UTILITIES ARE

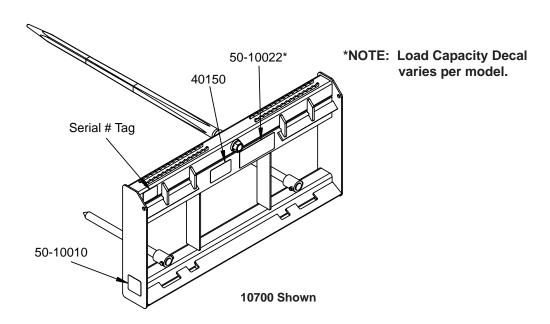


Observe overhead electrical and other utility lines. Be sure equipment will clear them. When digging, call your local utilities for location of buried utility lines, gas, water, and sewer, as well as any other hazard you may encounter.

SAFETY SIGN LOCATIONS

GENERAL INFORMATION

The diagrams on this page shows the location of the decals used on the FFC Bale Spears. The decals are identified by their part numbers, with reductions of the actual decals located on the following page. Use this information to order replacements for lost or damaged decals. Be sure to read all decals before operating the attachment. They contain information you need to know for both safety and product longevity.



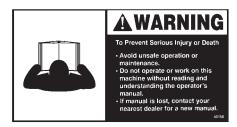
INSTRUCTIONS

- Keep all safety signs clean and legible.
- Replace all missing, illegible, or damaged safety signs.
- Replacement parts for parts with safety signs attached must also have safety signs attached.
- Safety signs are available, free of charge, from your dealer or from FFC.

PLACEMENT OR REPLACEMENT OF SAFETY SIGNS

- 1. Clean the area of application with non-flammable solvent, and then wash the same area with soap and water.
- 2. Allow the surface to fully dry.
- 3. Remove the backing from the safety sign, exposing the adhesive surface.
- 4. Apply the safety sign to the position shown in the diagram above and smooth out any bubbles.

SAFETY SIGNS



PART #40150 WARNING! READ MANUAL

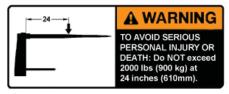


PART #50-10010 CAUTION! DO NOT DETACH LOADER



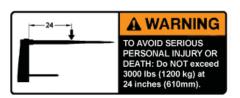
PART #50-10015 WARNING! LOAD CAPACITY

NOTE: Used on Model 10712



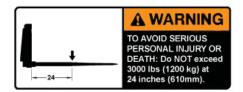
PART #50-10022 WARNING! LOAD CAPACITY

NOTE: Used on Model 10700 Shown



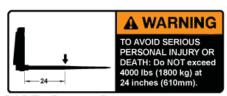
PART #50-10023 WARNING! LOAD CAPACITY

NOTE: Used on Model 11910



PART #50-10024 WARNING! LOAD CAPACITY

NOTE: Used on Model 10704



PART #50-10025 WARNING! LOAD CAPACITY

NOTE: Used on Models 11920, 11930 & 11932

PRIME MOVER/LOADER SPECIFICATIONS

IMPORTANT

Exceeding any of the maximum recommended prime mover/loader specifications

CAN result in damage to this product and **WILL** void all FFC warranties.

DESCRIPTION	SPECIFICATIONS		
BALE SPEAR	107 SERIES	119 SERIES	
Prime Mover HP	80 HP maximum	110 HP maximum	
Operating Weight of Prime Mover	8,000 lbs. maximum	11,000 lbs. maximum	
Lift Capacity of Prime Mover's Loader	4,000 lbs. maximum	4,500 lbs. maximum	
Rear Ballast	As required to maintain full (Note the shipping weight of operator's manual(s) for yo for ballasting needs.)	f your model, then see the	

ATTACHMENT SPECIFICATIONS

Model Number	Overall Width	Overall Height	Overall Depth	Spear Length	Shipping Weight
10700	45.25"	22.38"	50.5"	49"	145#
10704	45.25"	23.13"	50.5"	49"	155#
10712	41"	24.63"	58.63"	53"	145#
11910	48.75"	25"	55.75"	53"	200#
11920	48.75"	25"	55.75"	53"	240#
11930	56"	24.25"	52.25"	49"	225#
11932	56"	24.25"	35.25"	32"	215#

BOLT TORQUE

BOLT TORQUE SPECIFICATIONS

GENERAL TORQUE SPECIFICATION TABLES

Use the following charts when determining bolt torque specifications when special torques are not given. Always use grade 5 or better when replacing bolts.

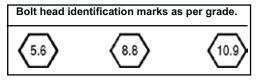
SAE BOLT TORQUE SPECIFICATIONS

NOTE: The following torque values are for use with extreme pressure lubricants, plating or hard washer applications Increase torque 15% when using hardware that is unplated and either dry or lubricated with engine oil.

	SAE GRADE 5 TORQUE SAE GRADE 8 TORQUE				SAE GRADE 5 TORQUE			Bolt head identification marks as per grade.		
Во	It Size	Pounds	s Feet	Newton-	Meters	Pounds	Feet	Newton-N	leters	NOTE: Manufacturing Marks Will Vary
Inches	Millimeters	UNC	UNF	UNC	UNF	UNC	UNF	UNC	UNF	
1/4	6.35	8	9	11	12	10	13	14	18	GRADE 2
5/16	7.94	14	19	19	23	20	25	27	34	^
3/8	9.53	30	36	41	49	38	46	52	62	rì
7/16	11.11	46	54	62	73	60	71	81	96	l []
1/2	12.70	68	82	92	111	94	112	127	152	~
9/16	14.29	94	112	127	152	136	163	184	221	GRADE 5
5/8	15.88	128	153	174	207	187	224	254	304	$\wedge \wedge \wedge$
3/4	19.05	230	275	312	373	323	395	438	536	
7/8	22.23	340	408	461	553	510	612	691	830	
1	25.40	493	592	668	803	765	918	1037	1245	000000
1-1/8	25.58	680	748	922	1014	1088	1224	1475	1660	GRADE 8
1-1/4	31.75	952	1054	1291	1429	1547	1700	2097	2305	רא הא היא
1-3/8	34.93	1241	1428	1683	1936	2023	2312	2743	3135	しょりぎょう
1-1/2	38.10	1649	1870	2236	2535	2686	3026	3642	4103	

METRIC BOLT TORQUE SPECIFICATIONS

NOTE: The following torque values are for use with metric hardware that is unplated and either dry or lubricated with engine oil. Reduce torque 15% when using hardware that has extreme pressure lubricants, plating or hard washer applications.



Size of Bolt	Grade No.	Pitch (mm)	Pounds Feet	Newton-Meters	Pitch (mm)	Pounds Feet	Newton-Meter
	5.6		3.6-5.8	4.9-7.9		-	-
M6	8.8	1.0	5.84	7.9-12.7	-	-	-
	10.9	1	7.2-10	9.8-13.6		-	-
	5.6		7.2-14	9.8-19		12-17	16.3-23
М8	8.8	1.25	17-22	23-29.8	1.0	19-27	25.7-36.6
	10.9	1	20-26	27.1-35.2		22-31	29.8-42
	5.6		20-25	27.1-33.9		20-29	27.1-39.3
M10	8.8	1.5	34-40	46.1-54.2	1.25	35-47	47.4-63.7
	10.9	1	38-46	51.5-62.3		40-52	54.2-70.5
	5.6		28-34	37.9-46.1		31-41	42-55.6
M12	8.8	1.75	51-59	69.1-79.9	1.25	56-68	75.9-92.1
	10.9	1	57-66	77.2-89.4		62-75	84-101.6
	5.6		49-56	66.4-75.9		52-64	70.5-86.7
M14	8.8	2.0	81-93	109.8-126	1.5	90-106	122-143.6
	10.9	1	96-109	130.1-147.7		107-124	145-168
	5.6		67-77	90.8-104.3		69-83	93.5-112.5
M16	8.8	2.0	116-130	157.2-176.2	1.5	120-138	162.6-187
	10.9	1	129-145	174.8-196.5		140-158	189.7-214.1
	5.6		88-100	119.2-136		100-117	136-158.5
M18	8.8	2.0	150-168	203.3-227.6	1.5	177-199	239.8-269.6
	10.9	1	175-194	237.1-262.9		202-231	273.7-313
	5.6		108-130	146.3-176.2		132-150	178.9-203.3
M20	8.8	2.5	186-205	252-277.8	1.5	206-242	279.1-327.9
	10.9	1	213-249	288.6-337.4		246-289	333.3-391.6

MOUNTING

WARNING! READ MANUAL PRIOR TO INSTALLATION



Improper installation, operation, or maintenance of this equipment could result in serious injury or death. Operators and maintenance personnel should read this manual, as well as all manuals related to this equipment and the prime mover/loader thoroughly before beginning installation, operation, or maintenance. FOLLOW ALL SAFETY INSTRUCTIONS IN THIS MANUAL AND THE PRIME MOVER'S MANUAL(S).

- 1. Place this product on a firm, level surface that is large enough to safely accommodate this product, your prime mover/loader and all workers involved in the mounting process.
- 2. Refer to the operator's manual(s) for your prime mover and loader. Follow the mounting instructions contained therein.
- 3. Carefully raise the loader and cycle the tilt cylinders to check clearances and to verify that all mounting procedures have been successfully completed.

OPERATION



READ AND UNDERSTAND ALL SAFETY STATEMENTS

Read all safety decals and safety statements in all manuals prior to operating or working on this equipment. Know and obey all OSHA regulations, local laws, and other professional guidelines for your operation. Know and follow good work practices when assembling, maintaining, repairing, mounting, removing, or operating this equipment.

WARNING! FAILURE TO OBEY THE FOLLOWING PROCEDURES COULD RESULT IN **DEATH OR SERIOUS INJURY**

• The full length of the spear(s) must penetrate the bale so that a spear does not tear out a portion of the bale, allowing the bale to fall.

IMPORTANT Using the spear(s) to do any prying or

to chain object to or to lift inorganic objects

CAN result in damage to this product and

WILL void all FFC warranties.

IMPORTANT Lifting a bale more than rated capacity (see chart on page 11)

CAN result in damage to this product and

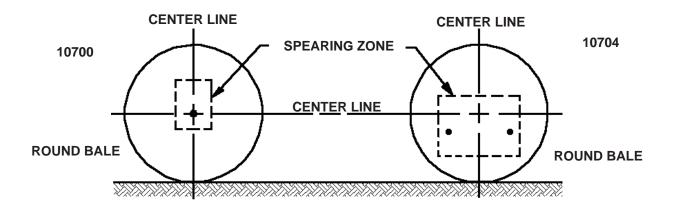
WILL void all FFC warranties.

POSITIONING THE BALE

Approach the round face of the bale so that the spear(s) will penetrate the bale slightly below 1. center. If the bales are lying on a round face, use a loader to tip the bales up before using this product.

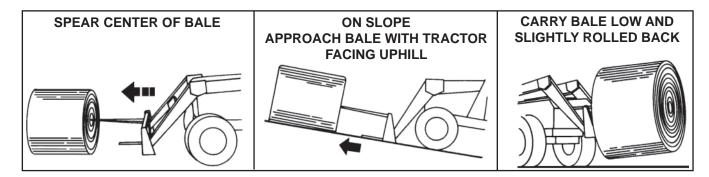
NOTICE

If the bale is lying on a round face and you attempt to spear that bale down from the top, movement of the prime mover while operating the loader will be necessary. Excessive movement of the prime mover can seriously damage the loader and/or the loader's hydraulic cylinders or hoses. For this reason, this approach to lifting bales is **NOT RECOMMENDED**.



OPERATION

2. Always spear bales with a slightly downward motion. Spearing bales with a 5° angle on the spear, and lowering the boom as the spear is entering the bale will allow the bale to be dropped off the spear easier. NOTE: Only handle the type and quantity of bales that your spear was designed to lift. See table below.



- 3. Push the spear(s) into the bale until the bale is against the frame.
- 4. Raise and roll back bale just high enough to provide ground clearance. NOTE: If bale appears to be unstable, lower the bale, remove the spears and repeat steps 2 & 3 until the bale is secure. Stop and start loader gradually when lowering or lifting loads.

IMPORTANT: When handling bales of hay use only properly designed and constructed attachments. See the table below for compatibility between the different models of bale spears, loaders and bale types.

ATTACHMENT	BALE TYPE	QTY	CAPACITY
10700	ROUND	1	2000# @ 24"
10704	ROUND	1	3000# @ 24"
10712	ROUND	1	3000# @ 24"
11910	ROUND	1	3000# @ 24"
11920	ROUND	1	4000# @ 24"
11930	ROUND	1	4000# @ 24"
11932	ROUND	1	4000# @ 24"

TRANSPORTING THE BALE

- 1. Raise the bale to the **minimum** height required for the terrain that must be crossed with the bale.
- 2. Operate the prime mover so that:
 - the bale always remains close to the ground,
 - · accelerating, turning, and braking are done very gradually,
 - and any obstacles, bumps, or holes in your intended path are avoided.
- 3. Frequently check the bale to make sure that the bale has not become unstable.

MAINTENANCE



KNOW YOUR EQUIPMENT

Know your equipment's capabilities, dimensions and operations before operating. Visually inspect your equipment before you start, and never operate equipment that is not in proper working order with all safety devices intact. Check all hardware to ensure it is tight. Make certain that all locking pins, latches, and connection devices are properly installed and secured. Remove and replace any damaged, fatigued, or excessively worn parts. Make certain all safety decals are in place and are legible. Keep decals clean, and replace them if they become worn and hard to read.

BEFORE EACH USE

- Make sure that all nuts and bolts are in place and properly tightened.
- Main spear nut must be torqued to 475 ft.lb.
- Make sure that all other fasteners are in place and are performing their specified function.
- Make sure that all safety signs are in place, are clean, and are legible.
- Replace any damaged parts and excessively worn parts.

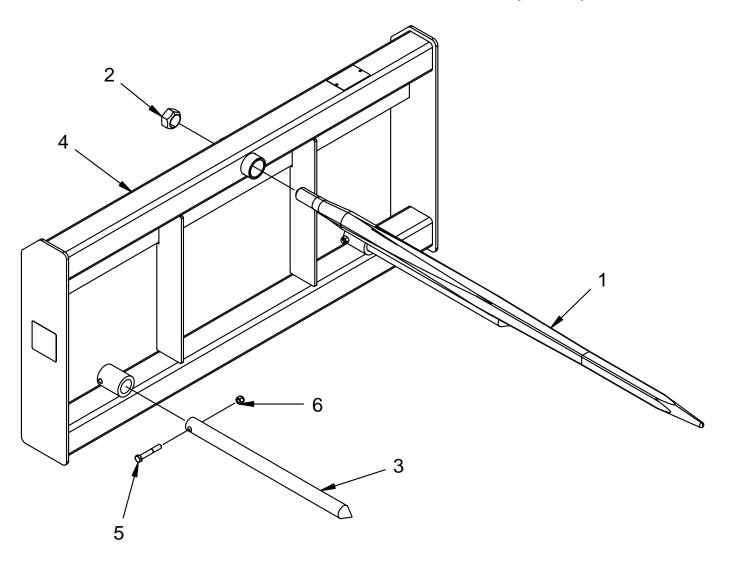
SERVICE

WARNING! DO NOT MODIFY MACHINE OR ATTACHMENTS



Modifications may weaken the integrity of the and may impair the function. safety, life, and performance of the . When making repairs, use only the manufacturer's genuine parts, following authorized instructions. Other parts may be substandard in fit and quality. Never modify any ROPS (Roll Over Protection Structure) or FOPS (Falling Object Protective Structure) equipment or device. Any modifications must be authorized in writing by the manufacturer.

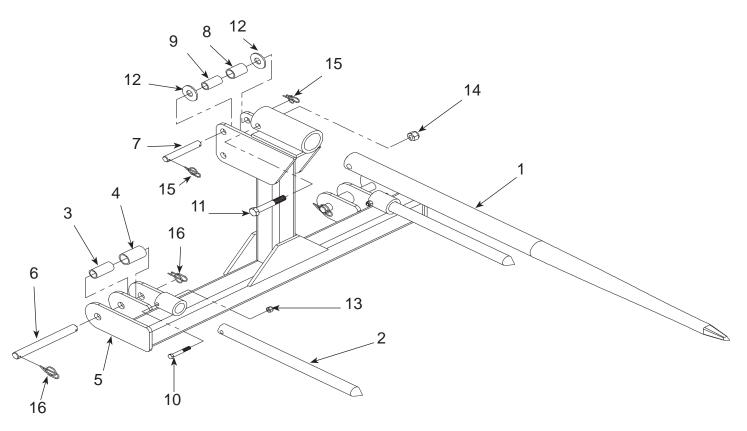
BALE SPEAR PARTS ILLUSTRATION (10700)



	BALE SPEAR PARTS LIST (10700 & 10704)							
ITEM	QTY.	QTY. 10700 10704 Dual DESCRIPTION						
1	varies	(1) 07-10141	(2)	49" Tine (Includes Nut - Item #2)				
2	varies	(1) 07-10148	(2)	Replacement Hex Nut				
3	2	13-52026	n/a	1-1/4" x 19.69 Stabilizer Spear				
4	1	13-52329*	13-52333*	Frame Weldment Universal Mounting*				
5	2	1049	n/a	Grade 5 Hex Head Cap Screw 3/8" x 2-1/2"				
6	2	1536	n/a	Grade 5 NyLock Nut 3/8"				

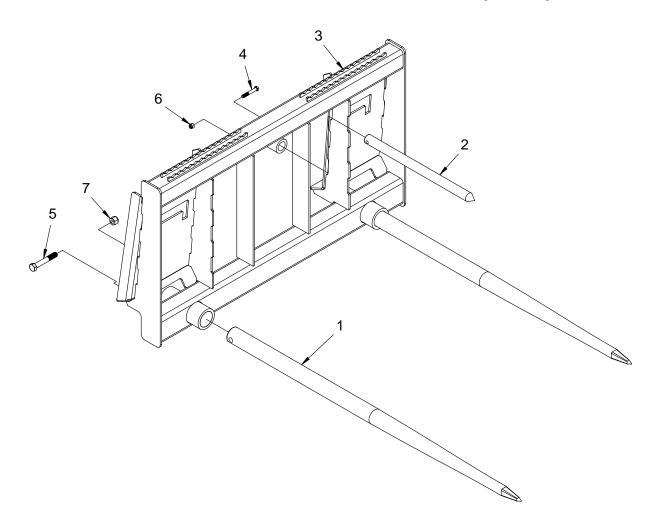
NOTE: All parts are the same as 10700 except for those parts numbered under 10704. *Contact FFC for other available mountings.

BALE SPEAR PARTS ILLUSTRATION (10712)



	BALE SPEAR PARTS LIST (10712)							
ITEM	QTY.	10712	DESCRIPTION					
1	1	07-10150	53" Tine					
2	2	13-52026	1-1/4" x 19.69 Stabilizer Spear					
3	2	13-52061	Tube Rd 1.13 x 0.120w x 2.38					
4	2	13-52062	Tube Rd 1.44 x 0.134w x 2.38					
5	1	13-52063	Weld Main Frame 3-pt Bale Spear					
6	2	LAF9430	Pin .88 x 8.38 Stressproof					
7	1	LAF9431	Pin .75 x 4.75 Stressproof					
8	1	LAF9433	Top Link Bushing Category 2-3					
9	1	LAF9434	Top Link Bushing Category 1-2					
10	2	1049	Grade 5 Hex Head Cap Screw .38" x 2-1/2"					
11	1	1124	Grade 5 Hex Head Cap Screw .63" x 4"					
12	2	1518	Grade 5 Flat Washer USS .75"					
13	2	1536	Grade 5 NyLock Nut .38"					
14	1	1642	Grade 5 NyLock Nut .63"					
15	2	RHW8115	Rue Ring Cotter .75 Heavy					
16	4	RHW8130	Rue Ring Cotter .88 Heavy					

BALE SPEAR PARTS ILLUSTRATION (11920)



BALE SPEAR PARTS LIST (119 SERIES)									
ITEM	QTY.	11910 Single	11920 Dual	11930 or 11932 Triple	DESCRIPTION				
1	varies	(1)	(2) 07-10150 (53")	(3) 07-10141*(49") or 07-10177*(32")	Main Tine(s)				
2	varies	(2)	(1) 13-52026	n/a	1-1/4" x 19.69 Stabilizer Spear				
3	1	13-52993	13-52994	13-52963	Frame Weldment				
4	varies	(2)	(1) 1049	n/a	Grade 5 Hex Head Cap Screw .38" x 2-1/2"				
5	varies	(1)	(2) 1124	n/a	Grade 5 Hex Head Cap Screw .63" x 4"				
6	varies	(2)	(1) 1536	n/a	Grade 5 NyLock Nut .38"				
7	varies	(1)	(2) 1642	n/a	Grade 5 NyLock Nut .63"				

NOTE: All parts are the same as 11920 except for those parts numbered under the other models. *Replacement Nut 07-10148 is included.

Limited Warranty

Except for the Excluded Products as described below, all new products are warranted to be free from defects in material and/or workmanship during the Warranty Period, in accordance with and subject to the terms and conditions of this Limited Warranty.

- 1. <u>Excluded Products</u>. The following products are <u>excluded</u> from this Limited Warranty:
- (a) Any cable, part that engages with the ground (i.e. sprockets), digging chain, bearing, teeth, tamping and/or demolition head, blade cutting edge, pilot bit, auger teeth and broom brush that either constitutes or is part of a product.
- (b) Any product, merchandise or component that, in the opinion of Paladin Light Construction¹, has been (i) misused; (ii) modified in any unauthorized manner; (iii) altered; (iv) damaged; (v) involved in an accident; or (vi) repaired using parts not obtained through Paladin Light Construction.
- 2. <u>Warranty Period</u>. The Limited Warranty is provided only to those defects that occur during the Warranty Period, which is the period that begins on the <u>first to occur</u> of: (i) the date of initial purchase by an end-user, (ii) the date the product is first leased or rented, or (iii) the date that is six (6) months after the date of shipment by Paladin Light Construction as evidenced by the invoiced shipment date (the "<u>Commencement Date</u>") and ends on the date that is twelve (12) months after the Commencement Date.
- 3. <u>Terms and Conditions of Limited Warranty</u>. The following terms and conditions apply to the Limited Warranty hereby provided:
- (a) Option to Repair or Replace. Paladin Light Construction shall have the option to repair or replace the product.
- (b) <u>Timely Repair and Notice</u>. In order to obtain the Limited Warranty, (i) the product must be repaired within thirty (30) days from the date of failure, and (ii) a claim under the warranty must be submitted to Paladin Light Construction in writing within thirty (30) days from the date of repair.
- (c) Return of Defective Part or Product. If requested by Paladin Light Construction, the alleged defective part or product shall be shipped to Paladin Light Construction at its manufacturing facility or other location specified by Paladin Light Construction, with freight PRE-PAID by the claimant, to allow Paladin Light Construction to inspect the part or product.

Claims that fail to comply with any of the above terms and conditions shall be denied.

LIMITATIONS AND EXCLUSIONS.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY BASED ON A COURSE OF DEALING OR USAGE OF TRADE.

IN NO EVENT SHALL PALADIN LIGHT CONSTRUCTION BE LIABLE FOR CONSEQUENTIAL OR SPECIAL DAMAGES.

IN NO EVENT SHALL PALADIN LIGHT CONSTRUCTION BE LIABLE FOR ANY LOSS OR CLAIM IN AN AMOUNT IN EXCESS OF THE PURCHASE PRICE, OR, AT THE OPTION OF PALADIN LIGHT CONSTRUCTION, THE REPAIR OR REPLACEMENT, OF THE PARTICULAR PRODUCT ON WHICH ANY CLAIM OF LOSS OR DAMAGE IS BASED. THIS LIMITATION OF LIABILITY APPLIES IRRESPECTIVE OF WHETHER THE CLAIM IS BASED ON BREACH OF CONTRACT, BREACH OF WARRANTY, NEGLIGENCE OR OTHER CAUSE AND WHETHER THE ALLEGED DEFECT IS DISCOVERABLE OR LATENT.

¹Attachment Technologies Inc., a subsidiary of Paladin Brands Holding, Inc. (PBHI) is referred to herein as Paladin Light Construction.