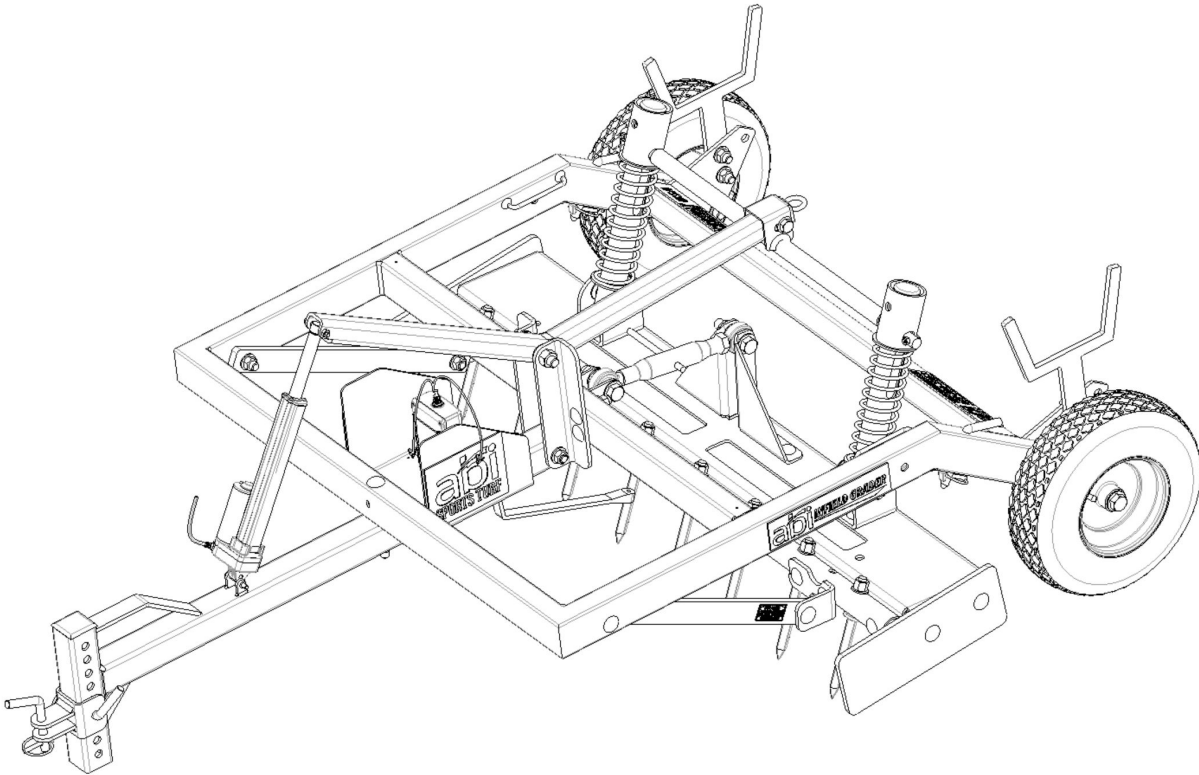




Owner's Manual

ABI INFIELD GRADER



*This instruction document covers several models. Features may vary by model.
Not all features in this document are applicable to all models and the model depicted may differ from yours.*



For Your Records

Located on the back right side of the frame, on the inside surface of the front frame tube, is an ID plate showing the serial number. Record your machine's information and serial number in the space provided below. ABI will use this information to give you prompt, efficient service when you order parts or need product support.

Model and Serial Number

Model Number:

Serial Number:

Invoice Number:

Purchaser's Name:

Contact Information

ABI Attachments, Inc
520 S. Byrkit Ave.
Mishawaka, IN 46544

Customer Support

Email: abicutomerservice@abiattachments.com
Phone: 877-788-7253
Website: www.abisupport.com

WARRANTY INFORMATION

Please see separate insert for warranty details.

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Safety



WARNING! The **SAFETY ALERT SYMBOL** indicates there is a potential hazard to personal safety involved and extra safety precaution must be taken. When you see this symbol, be alert and carefully read the message that follows it. In addition to design and configuration of equipment, hazard control, and accident prevention are dependent upon the awareness, concern, prudence, and proper training of personnel involved in the operation, transport, maintenance, and storage of equipment.



CALIFORNIA PROPOSITION 65

WARNING! Cancer and reproductive harm- www.P65Warnings.ca.gov

SAFETY AT ALL TIMES

Careful operation is your best assurance against an accident. All operators, no matter how much experience they may have, should carefully read this manual and other related manuals, or have the manuals read to them, before operating the tow vehicle and this implement.

- Thoroughly read and understand the “Safety Label” section. Read all instructions noted on them.
- Do not operate the equipment while under the influence of drugs or alcohol as they impair the ability to safely and properly operate the equipment.
- The operator should be familiar with all functions of the tow vehicle and attached implement and be able to handle emergencies quickly.
- Make sure all guards and shields appropriate for the operation are in place and secured before operating implement.
- Keep all bystanders away from equipment and work area.
- Start tow vehicle from the driver’s seat with hydraulic controls in neutral.
- Operate tow vehicle and controls from the driver’s seat only.
- Never dismount from a moving tow vehicle or leave tow vehicle unattended with engine running.
- Do not allow anyone to stand between tow vehicle and implement while backing up to implement.
- Keep hands, feet, and clothing away from power-driven parts.
- While transporting and operating equipment, watch out for objects overhead and along side such as fences, trees, buildings, wires, etc.
- Do not turn tow vehicle so tight as to cause hitched implement to ride up on the tow vehicle’s rear wheel.
- Store implement in an area where children normally do not play. When needed, secure attachment against falling with support blocks.

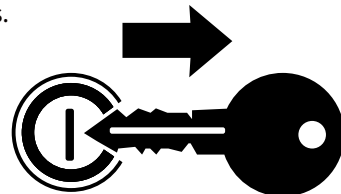
SAFETY PRECAUTIONS FOR CHILDREN

Tragedy can occur if the operator is not alert to the presence of children. Children generally are attracted to implements and their work.

- Never assume children will remain where you last saw them.
- Keep children out of the work area and under the watchful eye of a responsible adult.
- Be alert and shut the implement and tractor down if children enter the work area.
- Never carry children on the tractor or implement. There is not a safe place for them to ride. They may fall off and be run over or interfere with the control of the tow vehicle.
- Never allow children to operate the tow vehicle or implement, even under adult supervision.
- Never allow children to play on the tow vehicle or implement.
- Use extra caution when backing up. Before the tractor starts to move, look down and behind to make sure the area is clear.

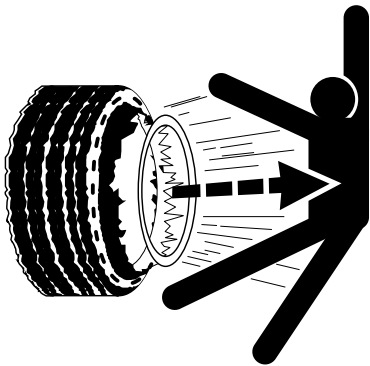
SHUTDOWN & STORAGE

- If engaged, disengage power take-off.
- Park on solid, level ground and lower implement to ground or onto support blocks.
- Put tractor in park or set park brake, turn off engine, and remove switch key to prevent unauthorized starting.
- Relieve all hydraulic pressure to auxiliary hydraulic lines
- Wait for all components to stop before leaving operator’s seat.
- Use steps, grab-handles and anti-slip surfaces when stepping on and off the tractor.
- Detach and store implement in an area where children normally do not play. Secure implement using blocks and supports.



TIRE SAFETY

- Tire changing can be dangerous and must be performed by trained personnel using the correct tools and equipment.
- Always maintain correct tire pressure. Do not inflate tires above recommended pressures shown in the Operator's Manual.
- When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand to one side and NOT in front of or over the tire assembly. Use a safety cage if available.
- Securely support the implement when changing a wheel.
- When removing and installing wheels, use wheel handling equipment adequate for the weight involved.
- Make sure wheel bolts have been tightened to the specified torque.
- Some attachments may have foam or sealant inside them and must be disposed of properly.

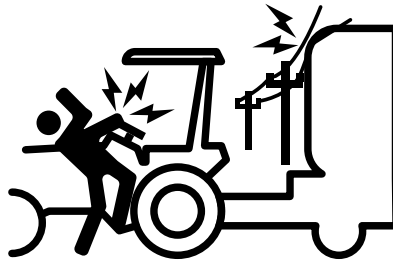


OPERATION SAFETY

- Stay alert for holes, rocks, and roots in the terrain and other hidden hazards. Keep away from drop-offs.
- Stop implement immediately upon striking an obstruction. Turn engine off, remove key, inspect and repair any damage before resuming operation.
- Never operate tractor and implement under trees with low hanging limbs. Operators can be knocked off the tractor and then run over by implement.

TRANSPORT SAFELY

- Comply with federal, state, and local laws.
- Use towing vehicle and trailer of adequate size and capacity. Secure equipment towed on a trailer with tie downs and chains.
- Sudden braking can cause a towed trailer to swerve and upset. Reduce speed if towed trailer is not equipped with brakes.
- Avoid contact with any overhead utility lines or electrically charged conductors.
- Always drive with load on end of loader arms low to the ground.
- Always drive straight up and down steep inclines with heavy end of a tow vehicle with loader attachment on the "uphill" side.
- Engage park brake when stopped on an incline.
- Maximum transport speed for an attached equipment is 20 mph. **DO NOT EXCEED.** Never travel at a speed which does not allow adequate control of steering and stopping. Some rough terrains require a slower speed.
- As a guideline, use the following maximum speed weight ratios for attached equipment:
 - **20 mph** when weight of attached equipment is less than or equal to the weight of machine towing the equipment.
 - **10 mph** when weight of attached equipment exceeds weight of machine towing equipment but not more than double the weight.
- **IMPORTANT:** Do not tow a load that is more than double the weight of the vehicle towing the load.



PRACTICE SAFE MAINTENANCE

- Understand procedure before doing work. Refer to the Operator's Manual for additional information.
- Work on a level surface in a clean dry area that is well-lit.
- Lower implement to the ground and follow all shutdown procedures before leaving the operator's seat to perform maintenance.
- Do not work under any hydraulic supported equipment. It can settle, suddenly leak down, or be lowered accidentally. If it is necessary to work under the equipment, securely support it with stands or suitable blocking beforehand.
- Use properly grounded electrical outlets and tools.
- Use correct tools and equipment for the job that are in good condition.
- Allow equipment to cool before working on it.
- Disconnect battery ground cable (-) before servicing or adjusting electrical systems or before welding on implement.
- Inspect all parts. Make certain parts are in good condition & installed properly.
- Replace parts on this implement with genuine ABI Attachments parts only.
- Do not alter this implement in a way which will adversely affect its performance.
- Do not grease or oil implement while it is in operation.
- Remove buildup of grease, oil, or debris.
- Always make sure any material and waste products from the repair and maintenance of the implement are properly collected and disposed.
- Remove all tools and unused parts before operation.



PREPARE FOR EMERGENCIES

- Be prepared if a fire starts.
- Keep a first aid kit and fire extinguisher handy.
- Keep emergency numbers for doctor, ambulance, hospital, and fire department near phone.



USE SAFETY LIGHTS AND DEVICES

- Slow moving tractors, skid steers, self-propelled machines, and towed equipment can create a hazard when driven on public roads. They are difficult to see, especially at night. Use the Slow Moving Vehicle sign (SMV) when on public roads.
- Flashing warning lights and turn signals are recommended whenever driving on public roads.



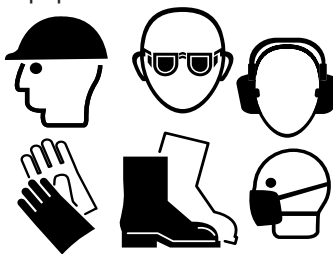
AVOID UNDERGROUND UTILITIES

- **Dig Safe, Call 811 (USA)** Always contact your local utility companies (electrical, telephone, gas, water, sewer, and others) before digging so that they may mark the location of any underground services in the area.
- Be sure to ask how close you can work to the marks they positioned.



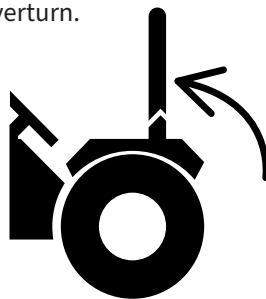
WEAR PERSONAL PROTECTION EQUIPMENT (PPE)

- Wear protective clothing and equipment appropriate for the job such as safety shoes, safety glasses, hard hat, and ear plugs.
- Clothing should fit snug without fringes and pull strings to avoid entanglement with moving parts.
- Prolonged exposure to loud noise can cause hearing impairment or hearing loss. Wear suitable hearing protection such as earmuffs or earplugs.
- Operating equipment safely requires the operator's full attention. Avoid wearing headphones while operating equipment.



USE SEAT BELT AND ROPS

- ABI Attachments recommends the use of a CAB or roll-over protective structures (ROPS) and seat belt in almost all tow vehicles. Combination of a CAB or ROPS and seat belt will reduce the risk of serious injury or death if the tow vehicle should be upset.
- If ROPS is in the locked-up position, fasten seat belt snugly and securely to help protect against serious injury or death from falling and machine overturn.



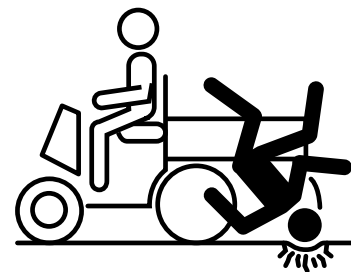
AVOID HIGH PRESSURE FLUIDS HAZARD

- Escaping fluid under pressure can penetrate the skin causing serious injury.
- Before disconnecting hydraulic lines or performing work on the hydraulic system, be sure to release all residual pressure.
- Make sure all hydraulic fluid connections are tight and all hydraulic hoses and lines are in good condition before applying pressure to the system.
- Use a piece of paper or cardboard, NOT BODY PARTS, to check for suspected leaks.
- Wear protective gloves and safety glasses or goggles when working with hydraulic systems.
- DO NOT DELAY. If an accident occurs, see a doctor familiar with this type of injury immediately. Any fluid injected into the skin or eyes must be treated within a few hours or gangrene may result.



KEEP RIDERS OFF MACHINERY

- Never carry riders on tractor or implement.
- Riders obstruct operator's view and interfere with the control of the tow vehicle.
- Riders can be struck by objects or thrown from the equipment. Never use tractor or implement to lift or transport riders.



Safety Labels



**WARNING**

10-10978

TO PREVENT SERIOUS INJURY OR DEATH:

- Avoid unsafe operation and maintenance. Do not operate or work on this machine without reading and understanding the operator's manual.
- If manual is lost, call 877-788-7253
- Do not allow riders and keep others away during operation.
- Lower implement, stop tow vehicle engine, set park brake and remove ignition key before servicing, adjusting, repairing or unplugging.
- Safely support and secure implement before adjustments or repairs are made.
- Park or block implement so it will not roll when disconnecting from tow vehicle.
- Never place any part of the body underneath implement or between movable parts even when the engine has been turned off.
- DO NOT operate or transport at high speeds.
- DO NOT operate or transport on steep slopes.

Uncrating Instruction & Setup

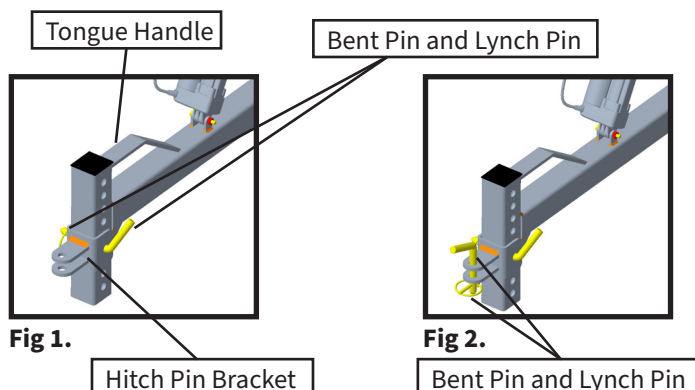
Removing From Shipping Crate

Tools Needed:

- Gloves
- Safety Glasses
- Safety Shoes
- Tin Snips/ wire cutters



1. Your unit will come on a skid wrapped in plastic. After the plastic is removed, cut metal straps (Use caution when cutting metal straps that they do not spring toward you and cause injury).
2. Cut zip ties holding manual and boxed accessories to frame.
3. Unit can now be picked up by the Tongue Handle and pulled off the skid or, if using a tow vehicle is preferred, remove Hitch Pin Bracket Weldment, (2) Bent Pins and (2) Lynch Pins from boxed accessories (**Fig 1**).
4. Align holes in Hitch Pin Bracket to one of the holes in the Tongue Coupler Tube. Mount Hitch Pin Bracket to Tongue Coupler Tube using (1) Bent Pin and (1) Lynch Pin (**Fig 1**) - any hole in tube will work until unit is pulled off the skid (**this can be re-attached after the unit is sitting on the ground to make the tongue level with the ground when attached to the tow vehicle**).
5. Attach Hitch Pin Bracket to tow vehicle using second Bent Pin and second Lynch Pin (**Fig 2**).
6. Carefully pull unit off skid with the tow vehicle.



Initial Setup Instructions

Tools Needed:

- Gloves
- Safety Glasses
- Safety Shoes
- Wire Cutters

1. If unit was pulled off the skid manually, remove Hitch Pin Bracket Weldment, (2) bent pins and (2) Lynch pins from boxed accessories (**Fig 1**).
 2. Align holes in Hitch Pin Bracket to one of the holes in the Tongue Coupler Tube. Mount Hitch Pin Bracket to Tongue Coupler Tube using (1) Bent Pin and (1) Lynch Pin (**Fig 1**) so that the Tongue of the unit is level with the ground when hitched to the tow vehicle.
 3. Attach Hitch Pin Bracket to tow vehicle using second Bent Pin and second Lynch Pin (**Fig 2**) and confirm Tongue of unit is level with ground.
 4. If using the tow-vehicle battery to power the ABI Infield Grader, plug in the 8' wire harness into the pigtail coming from the control box (**Fig 3**). The other end of the wire harness will connect to the 12" battery harness (that has the alligator clips) provided (**Fig 4**).
- NOTE: TO AVOID ELECTRICAL DAMAGE TO THE UNIT BY SPLICING INFIELD GRADER WIRE HARNESS INTO THE TOW VEHICLE WIRING SYSTEM AND POSSIBLY REVERSING THE WIRES, OR THE TOW VEHICLE HAVING A POSITIVE GROUND RELAY SYSTEM, CONNECT THE WIRING HARNESS DIRECTLY TO THE TOW VEHICLE BATTERY (BLACK TO GROUND AND RED TO POSITIVE).**
5. Use the alligator clips to connect the red wire to the positive battery terminal and the black wire to the negative battery terminal on the tow vehicle (**Fig 5A & 5B**).

Plastic zip ties are included in the boxed accessories to secure the wire harness to strategic points of the tow vehicle. Please route the wiring in a safe manner to avoid pinch points and high heat areas.

6. If a separate battery has been purchased to run the ABI Infield Grader actuator, the 8' wire harness can be set aside. The removable battery can be mounted directly in front of the control box (**Fig 6**). The battery needs to be a 12-volt, non spillable, sealed, lead-acid battery. The recommended battery number is 12180 (**Fig 7**).
7. After setting the battery in position, connect the 12" wire harness into the pigtail from the control box (**Fig 8**). Attach the red alligator clip to the positive battery terminal and the black alligator clip to the negative battery terminal (**Fig 9A & 9B**).

Uncrating Instruction & Setup

8. Be sure to use the rubber strap provided to secure the battery and control box in position (**Fig 10**).

9. Take the remaining two Bent Pins and Lynch Pins from the boxed accessories and slide the Bent Pins into the holes in the frame near the tires. Clip the Lynch Pins onto the Bent Pins (**Fig 11**). The pins are stored here and will be used later to hold the grader box in various positions during use.

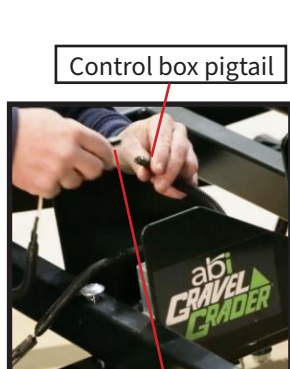


Fig 3. Control box pigtail
8' wire harness



Fig 4. 12' wire harness (with alligator clips)
8' wire harness

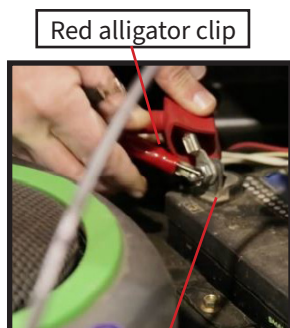


Fig 5A. Red alligator clip
Tow vehicle positive battery terminal

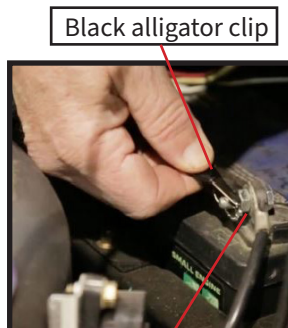


Fig 5B. Black alligator clip
Tow vehicle negative battery terminal



Fig 6. Control box
12 volt battery



Fig 7.

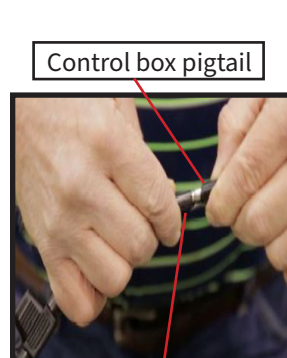


Fig 8. Control box pigtail
12' wire harness (with alligator clips)

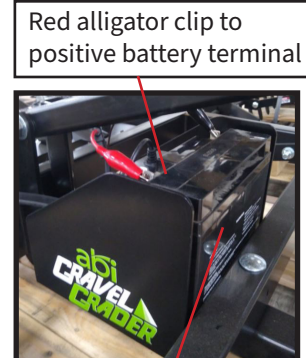


Fig 9. Red alligator clip to positive battery terminal
Black alligator clip to negative battery terminal



Fig 10. Rubber strap to secure battery and control box



Fig 11. Bent Pins w/ Lynch Pins storage positions

To extend the battery life, ABI recommends disconnecting the alligator clips and attach the battery to a trickle charger when the Gravel Grader is not being used.

Operation Guide

Actuator Adjustments

1. Re-confirm the adjustable hitch is properly mounted on the hitch coupler tube so when hitched to the tow vehicle, the tongue and frame of the Infield Grader are level with the ground.
2. The electric actuator and the adjustable grader box are the components used most on the Infield Grader. During operation, keep the wireless remote easily accessible in order make depth changes while grading.
3. Pressing the “up” button on the remote causes the actuator to extend and lowers the grader box to the ground. Pressing the “down” button on the remote contracts the actuator and raises the grader box off the ground (**Fig 12**).

Grader Box pitch Adjustments

4. On the back of the tool is an adjustable toplinek (**Fig 13**). The toplinek is used to control the pitch of the grader box.
5. Rotating the toplinek counter-clockwise (less threads on the toplinek showing) pitches the grader box forward (**Fig 14**). As the grader box pitches forward, the ripping teeth become more engaged into the material, and the blade at the rear of the box is lifted away from the ground so that it carries less material. This is a great position for initial de-compaction (**Fig 15**).
6. Rotating the toplinek clockwise (more threads on the toplinek showing) pitches the grader box backward. As the toplinek extends, the ripping teeth become less engaged and the blade in the grader box captures more material. This is a great position for moving and firming up loose material (**Fig 16**).

Material capture wing Adjustments

7. As the height and pitch of the grader box is adjusted, adjust the gravel capture wing accordingly (**Fig 17**). During deep decompaction, keep the capture wing angled up and out of the way. When using the box to move material or reclaim material from the shoulder of the workspace, angle the capture wing down to pull material in.



Fig 12.



Fig 13.



Fig 14.



Fig 15.



Fig 16.



Fig 17.

Operation Guide

Transport Position

10. When transporting to and from workspace or when towing long distances, lock the grader box into “transport position” by placing the Bent pins in the lowest hole on the crown control handles and secure the pins with the Lynch pins to pin the grader box up out of play. Doing so extends the life of the grader’s primary components. (**Fig 21**).

ABI understands that every situation is different so ABI encourages you to experiment with the various settings available on your ABI Gravel Grader.



Fig 21.

Maintenance

Tire Pressure:

Tire pressure should be 24 MAX psi. Check pressure once a month or if tire visually looks low. Fill with air if low.

Lubricating Wheel Hubs

The grease zerk to lube the bearing hub is located on the back side of the wheel hub. The bearing in each of the hubs should be greased every 6 months. They should also be greased before any long period of storage. **(Fig 22).**

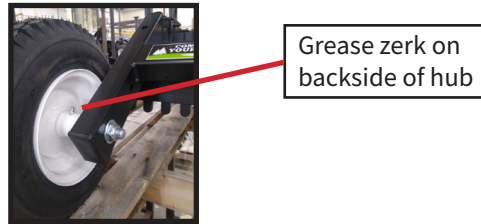


Fig 22.

Replacement Parts

All of the ground engaging components are considered wear parts and will need to be replaced as they wear out from use. To reorder, please contact the ABI Support department at 877-788-7253.

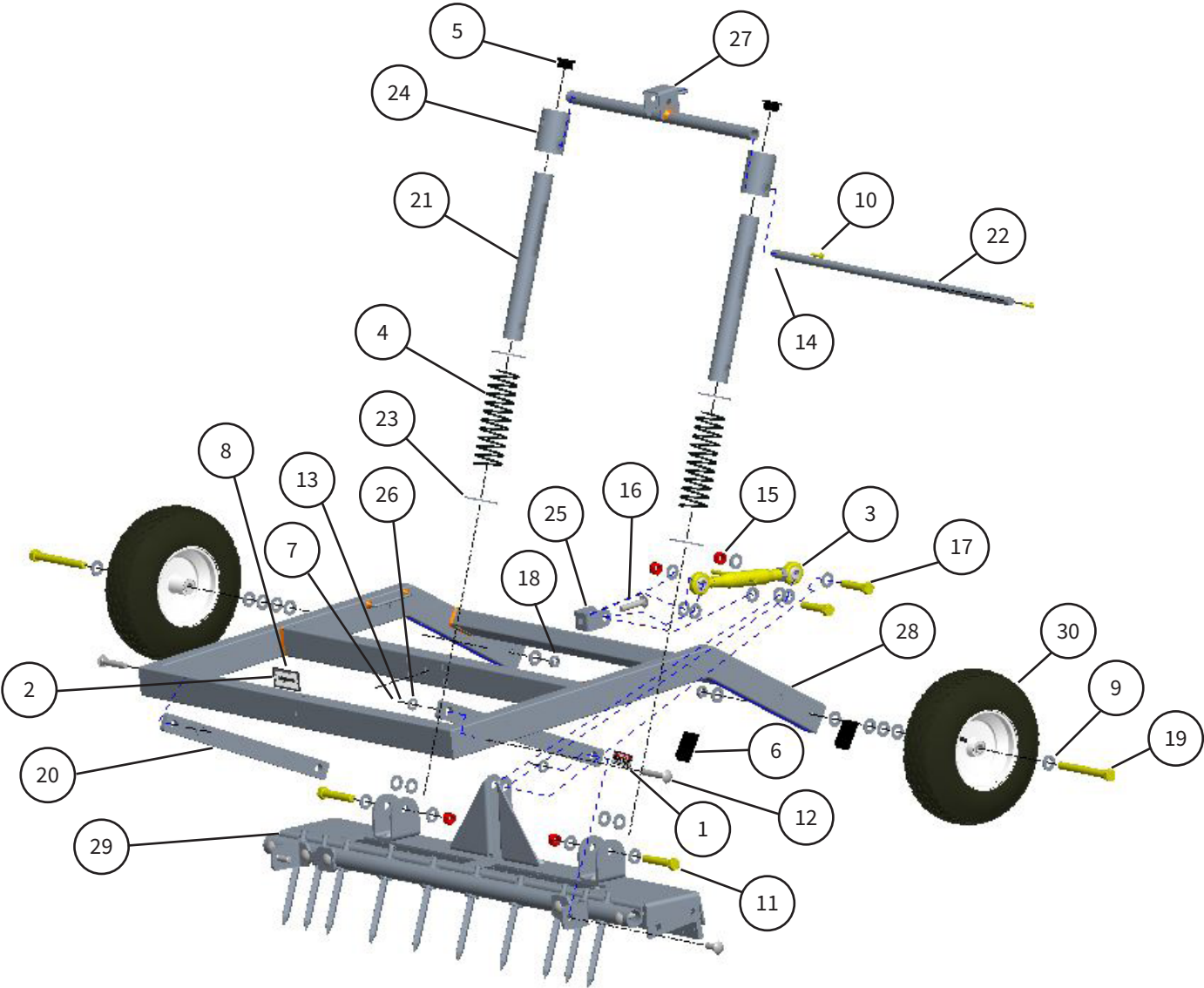
10-99086 ASM: INFIELD GRADER



Parts Description (cont'd)

ITEM	PART #	DESCRIPTION
1	10-10096	LBL:PINCH POINT A 1" X 2"
2	10-20050	NUT STOV: 1/2-13: GR5: ZINC
3	10-20145	5/8 SAE F/W ZNC
4	10-20188	CARR BOLT:1/2-13 1.5":ZINC GR5
5	10-20194	FLT WSHR:1/2 SAE: CL ZINC
6	10-20209	NYLOCK NUT:5/8-11:ZINC CL
7	10-20273	CARR BOLT:1/2-13 2.5":ZINC GR5
8	10-20312	HX HD BOLT:5/8-11 3.5":ZINC GR8
9	10-31106	BRKT: CTR PIVOT & TONGUE LH: GDG
10	10-31108	BRKT: CTR PIVOT & TONGUE RH: GDG
11	10-31132	TUBE: ACTUATION: GDG
12	10-31212	PLATE: REAR ATTACHMENT: GG
13	10-31314	PLATE: DRAGMAT RACK: IG
14	10-90247	KIT: MAIN FRAM PROD ASM: GDG
15	10-90248	ASM: TONGUE PROD ASM: GDG
16	10-90294	KIT: CUSTOMER ASSEMBLE: INFIELD GRADER
17	10-90902	ASM: WELCOME BOX (NON-FORCE)

10-90247 KIT: MAIN FRAME PROD. ASM: GDG



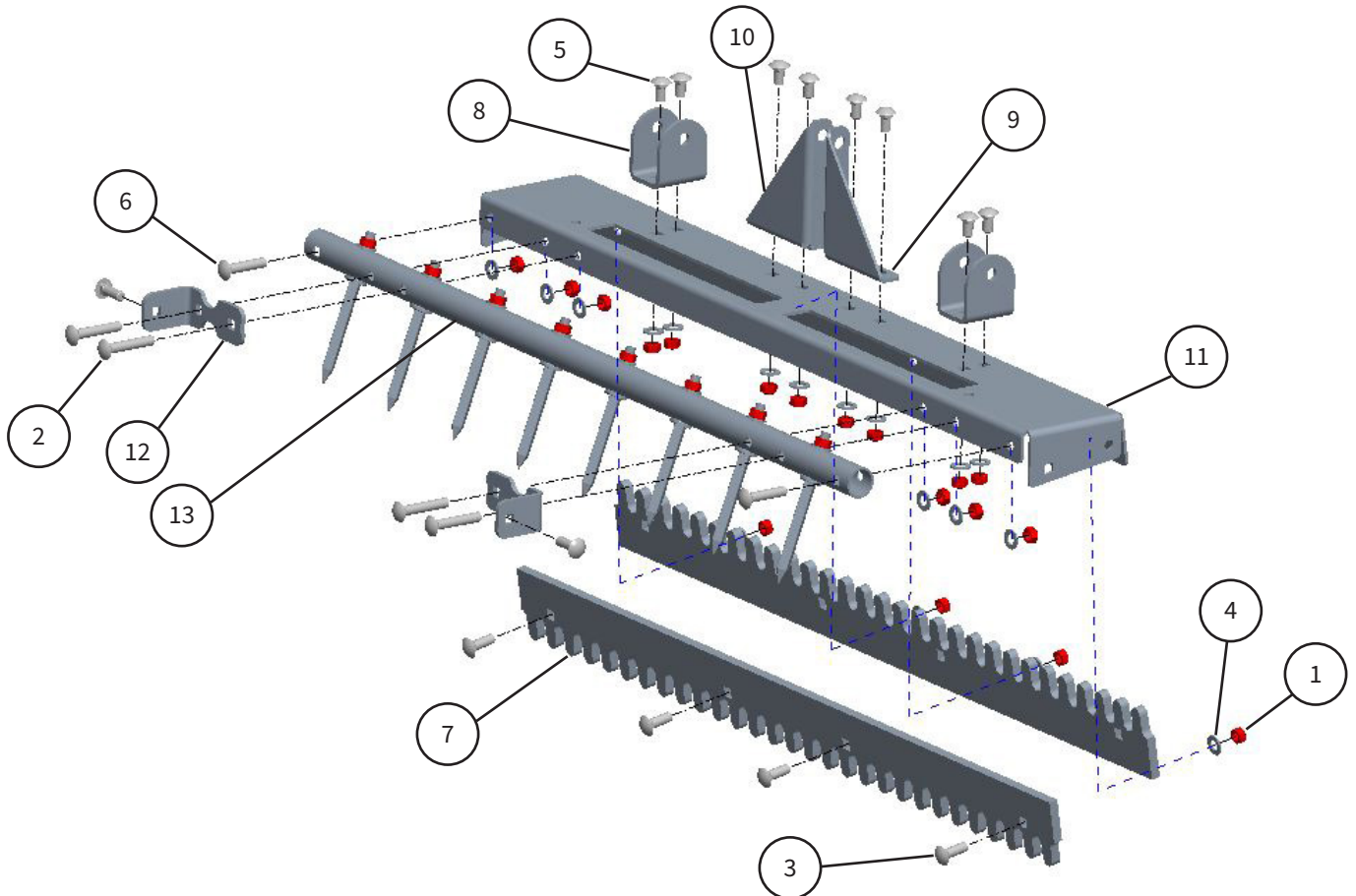
Parts Description (cont'd)

ITEM	PART #	DESCRIPTION
1	10-10096	LBL: PINCH POINT A 1" X 2"
2	10-10161	ABI SERIES SERIAL NUMBER PLATE
3	10-10316	TOPLINK: CAT0: 11-15"
4	10-10494	SPRING:GDG
5	10-10507	CAP: 1.625 ROUND: BLACK PLASTIC
6	10-10509	CAP: 2X3 BLACK
7	10-20050	1/2-13 TOP LKGRC
8	10-20104	RIVET: .5-.625 GRIP: SHOP SUPPLY
9	10-20145	5/8 SAE F/W ZNC
10	10-20175	HX HD BOLT:1/4-20 1":ZINC GR5
11	10-20176	HX HD BOLT:5/8-11 3.5":ZINC GR5
12	10-20184	CARR BOLT:1/2-13 3":ZINC GR5
13	10-20194	FLT WSHR:1/2 SAE: CL ZINC
14	10-20208	NYLOCK NUT:1/4-20:ZINC GR 5
15	10-20209	NYLOCK NUT:5/8-11:ZINC CL

ITEM	PART #	DESCRIPTION
16	10-20273	CARR BOLT:1/2-13 2.5":ZINC GR5
17	10-20295	HX HD BOLT:5/8-11 3.0":ZINC GR5
18	10-20299	THIN NYLOCK NUT: 5/8-11:ZINC CL
19	10-20317	HX HD BOLT:5/8-11 6.0":ZINC GR5
20	10-31107	PLATE: DRAG LINK: GDG
21	10-31117	TUBE: SPRING GUIDE: GDG
22	10-31118	ROD: ACTUATION: GDG
23	10-31119	PLATE: SPRING LANDING: GDG
24	10-31120	TUBE: SIGHT GAGE: GDG
25	10-31121	BRKT: PITCH CONT SHORT: GDG
26	10-31142	BUSHING: 3/4" OD:GDG
27	10-40285	WLDMT: ACTUATION: GDG
28	10-40287	WLDMT: FRM: GDG
29	10-40288	ASM: GRADING BOX: GDG
30	10-60067	WHEEL: GDG

Parts Description (cont'd)

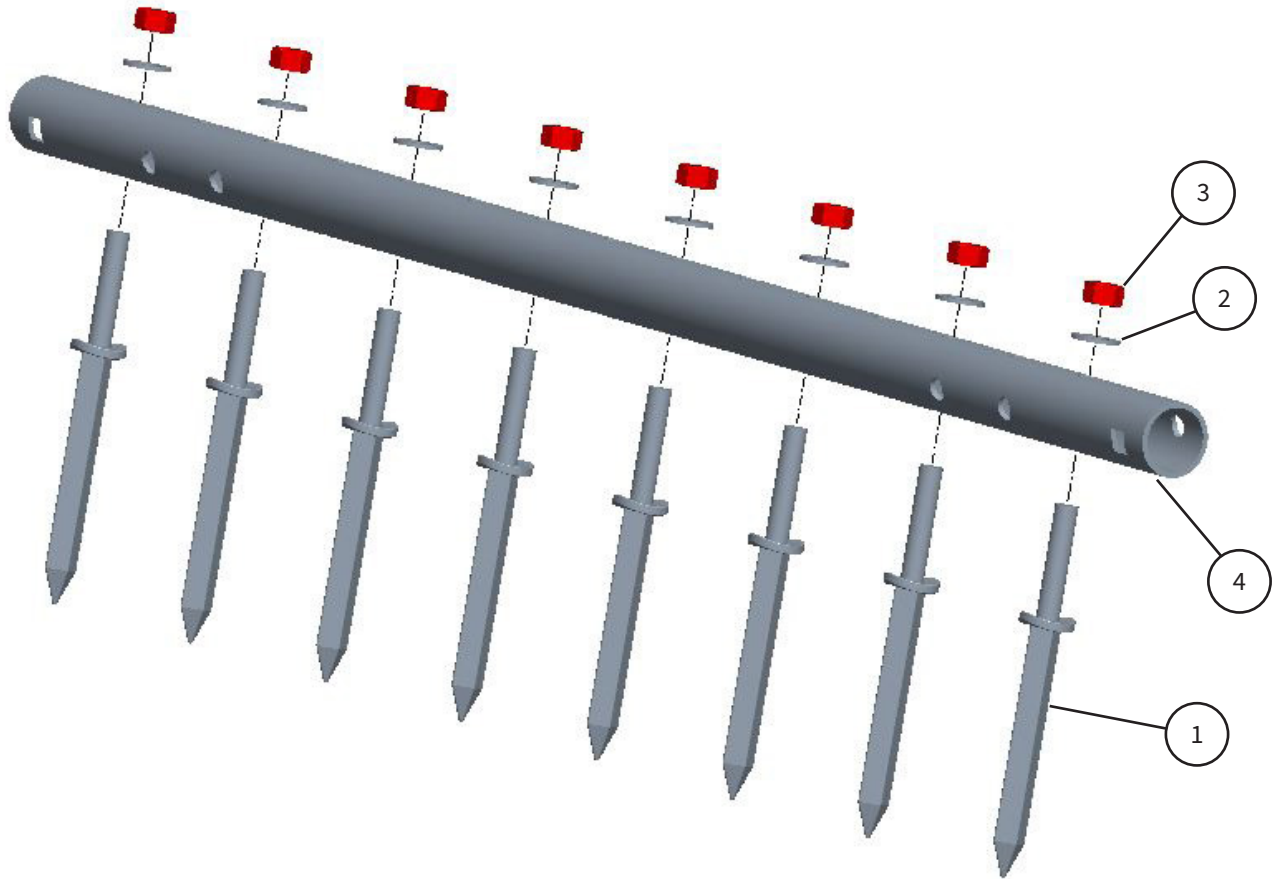
10-40288 ASM: GRADING BOX: GDG



ITEM	PART #	DESCRIPTION
1	10-20050	1/2-13 TOP LKGRC
2	10-20184	CARR BOLT:1/2-13 3":ZINC GR5
3	10-20188	CARR BOLT:1/2-13 1.5":ZINC GR5
4	10-20194	FLT WSHR:1/2 SAE: CL ZINC
5	10-20269	CARR BOLT:1/2-13 1.0":ZINC GR5
6	10-20273	CARR BOLT:1/2-13 2.5":ZINC GR5
7	10-31115	BLADE: 2 WAY: GDG

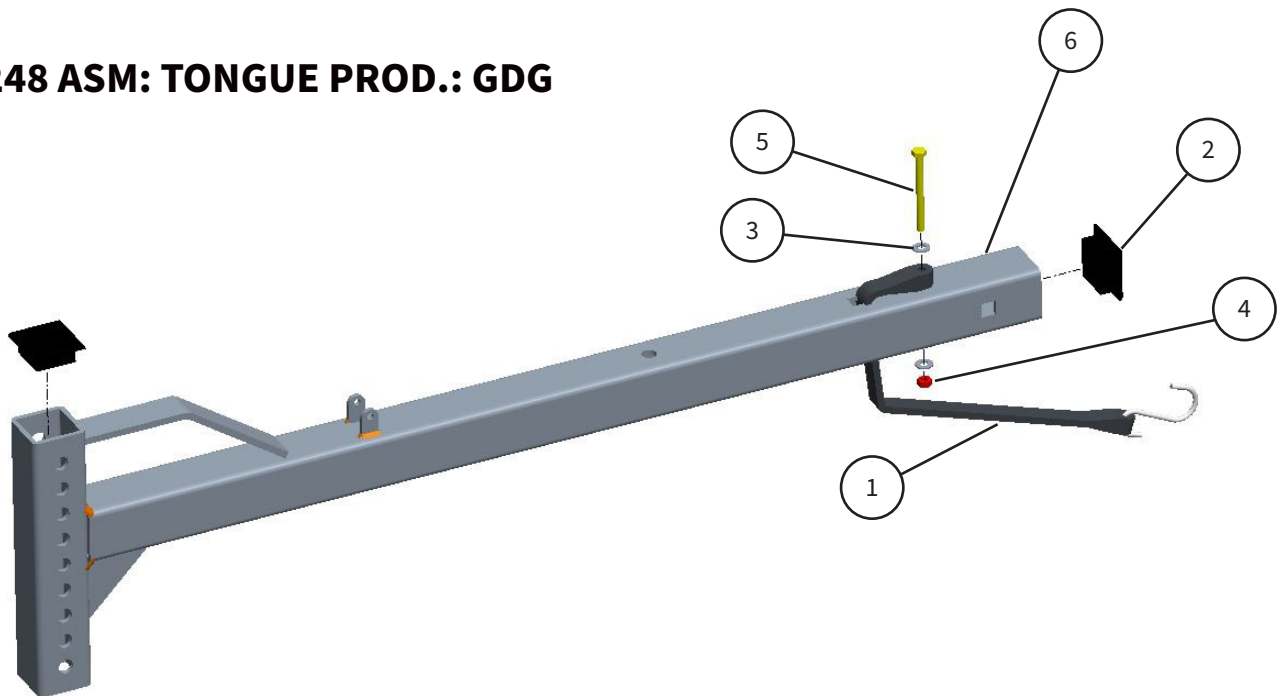
ITEM	PART #	DESCRIPTION
8	10-31116	BRKT: SPRING MNT: GDG
9	10-31122	BRKT: PITCH CONT LH: GDG
10	10-31123	BRKT: PITCH CONT RH: GDG
11	10-31138	FRM:BOX:GDG
12	10-31141	BRKT: PULL: GDG
13	10-40290	ASM: SCARIFIER: GDG

10-40290 ASM: SCARIFIER: GDG



ITEM	PART #	DESCRIPTION
1	10-10506	SCARIFIER: THREADED: HARROW TOOTH
2	10-20194	FLT WSHR:1/2 SAE: CL ZINC
3	10-20201	NYLOCK NUT:1/2-13:ZINC GR 5
4	10-31114	TUBE: SCARIFIER: GDG

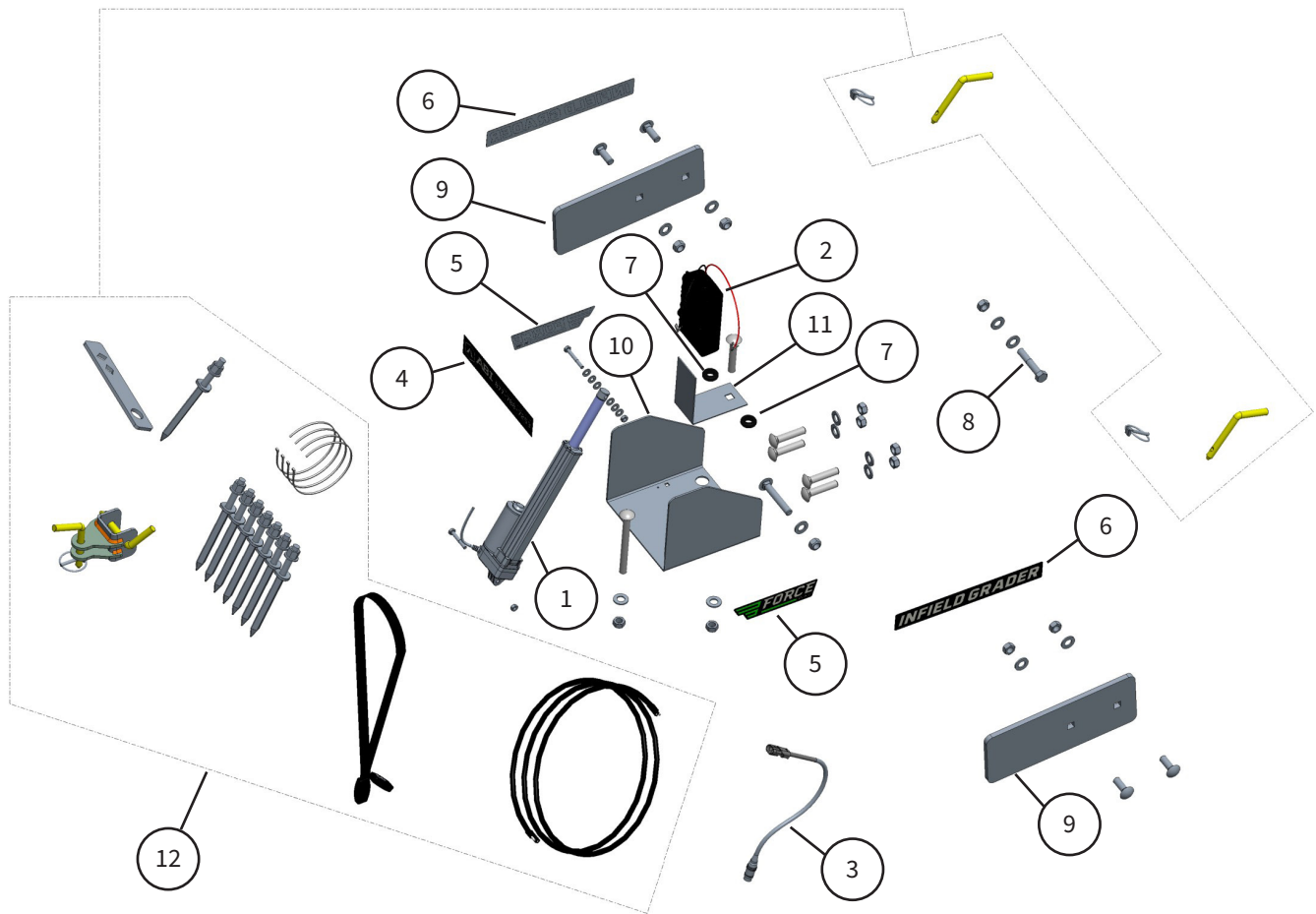
10-90248 ASM: TONGUE PROD.: GDG



ITEM	PART #	DESCRIPTION
1	10-10165	STRAP TARP: GDG
2	10-10443	CAP: 2" BLACK
3	10-20196	FLT WSHR:1/4 SAE:CL ZINC
4	10-20208	NYLOCK NUT:1/4-20:ZINC GR 5
5	10-20281	HX HD BOLT:1/4-20 X3: ZINC GR5
6	10-40284	WLDMT: TONGUE: GDG

Parts Description (cont'd)

10-90294 KIT: CUSTOMER ASSEMBLE: INFIELD GRADER

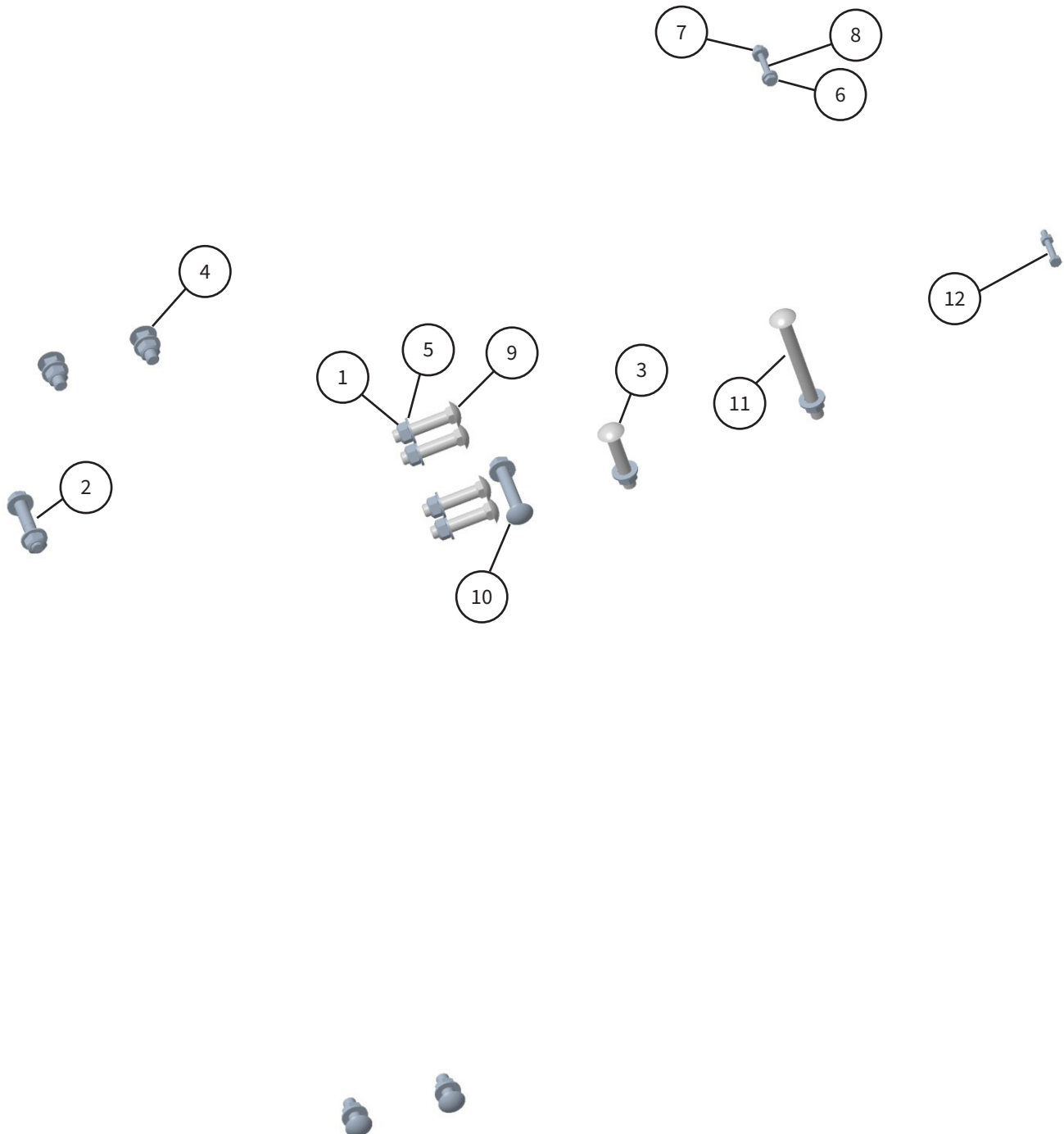


Parts Description (cont'd)

ITEM	PART #	DESCRIPTION
1	10-10570	ACTUATOR: METAL: GDG
2	10-10597	CONTROLLER BOX: GDG UPDATED
3	10-10598	ADAPTER: 6 PIN TO 2 PIN: GDG
4	10-11331	LBL: ABI ATTACHMENTS CONTACT
5	10-11372	LBL: ABI ATTACHMENTS RASCAL REAR FORCE DECAL (6.76" X 1.50")
6	10-11373	LBL: ABI ATTACHMENTS INFELD GRADER PRODUCT DECAL (11.90" X 1.49")
7	10-20314	GROMMET: .875" OD:0.25" PANEL
8	10-20351	KIT: CUST HARDWARE: INFLEID GRADER
9	10-31111	PLATE: BOX CONTAINMENT: GDG
10	10-31146	BRKT: LABEL & BATTERY: GDG
11	10-31242	BRKT: CONTROLLER: GDG FLT WSHR:1/2 SAE: CL ZINC
12	10-90406	ASM: BOXED COMPONENTS: IG/GG

Parts Description (cont'd)

10-20351 KIT: CUST HARDWARE: INFLEID GRADER

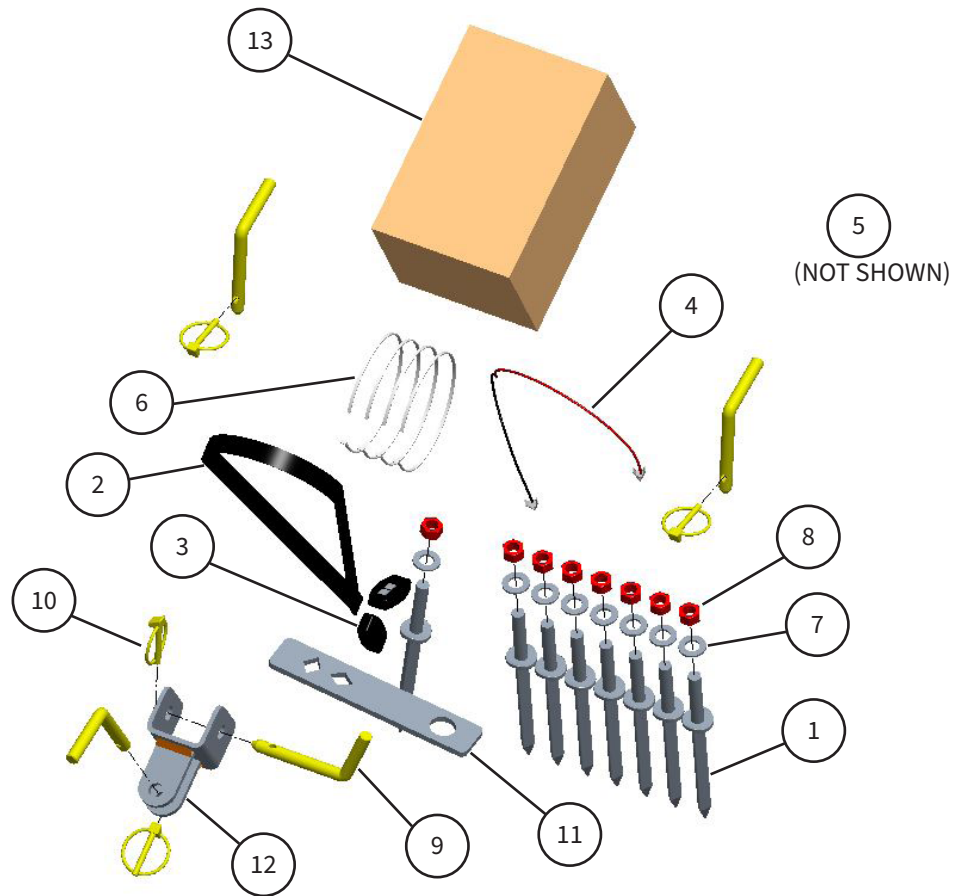


Parts Description (cont'd)

ITEM	PART #	DESCRIPTION
1	10-20050	NUT STOV: 1/2-13: GR5: ZINC
2	10-20169	HX HD BOLT:1/2-13 2.75":ZINC GR5
3	10-20184	CARR BOLT:1/2-13 3":ZINC GR5
4	10-20188	CARR BOLT:1/2-13 1.5":ZINC GR5
5	10-20194	FLT WSHR:1/2 SAE: CL ZINC
6	10-20196	FLT WSHR:1/4 SAE:CL ZINC
7	10-20208	NYLOCK NUT:1/4-20:ZINC GR 5
8	10-20265	HX HD BOLT:1/4-20 2":ZINC GR5
9	10-20273	CARR BOLT:1/2-13 2.5":ZINC GR5
10	10-20304	CARR BOLT:1/2-13 3.25 ZINC GR5
11	10-20308	CARR BOLT:1/2-13 5.5":ZINC GR5
12	10-20362	HX HD BOLT:1/4-20 1.75":ZINC GR5

Parts Description (cont'd)

10-90406 ASM: BOXED COMPONENTS: GDG



ITEM	PART #	DESCRIPTION
1	10-10506	SCARIFIER: THREADED: HARROW TOOTH
2	10-10519	LANYARD: ABI ATTACHMENTS: GDG
3	10-10522	GRAVEL GRADER WIRELESS REMOTE
4	10-10599	WIRE: BOX TO BATTERY: FUSED: GDG
5	10-10600	WIRE EXTENSION: GDG
6	10-20080	CABLE TIE 15 INCH - SHOP SUPPLY
7	10-20194	FLT WSHR:1/2 SAE: CL ZINC

ITEM	PART #	DESCRIPTION
8	10-20201	NYLOCK NUT:1/2-13:ZINC GR 5
9	10-20221	BENT PIN:1/2"X3.5":ZINC
10	10-20232	LYNCH PIN:1/4"X1.25":ZINC
11	10-31159	PLATE: SMALL SCAR WRENCH
12	10-40283	WLDMT: HITCH PIN BRKT: GDG
13	10-8000	BOX: MISC PARTS:GDG

Foot Notes

[illegible]

CONTACT INFORMATION

ABI Attachments, Inc
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Mishawaka, IN 46544

CUSTOMER SUPPORT

Phone: 877-788-7253
Hours: Monday - Friday | 9AM - 5PM EST
Email: abcustomerservice@abiattachments.com
Web: abiattachments.com/support/

For additional information on this equipment, or to order replacement parts, please contact our Customer Support Team at 877-788-7253 to speak with one of our representatives.

Additional support videos are available at the ABI Support Page under each tool.

Warranty and return policy information can also be found on the ABI Support Page under each tool. For additional questions regarding warranty or return policy, please contact our Customer Support Team at 877-788-7253 to speak with one of our representatives.



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