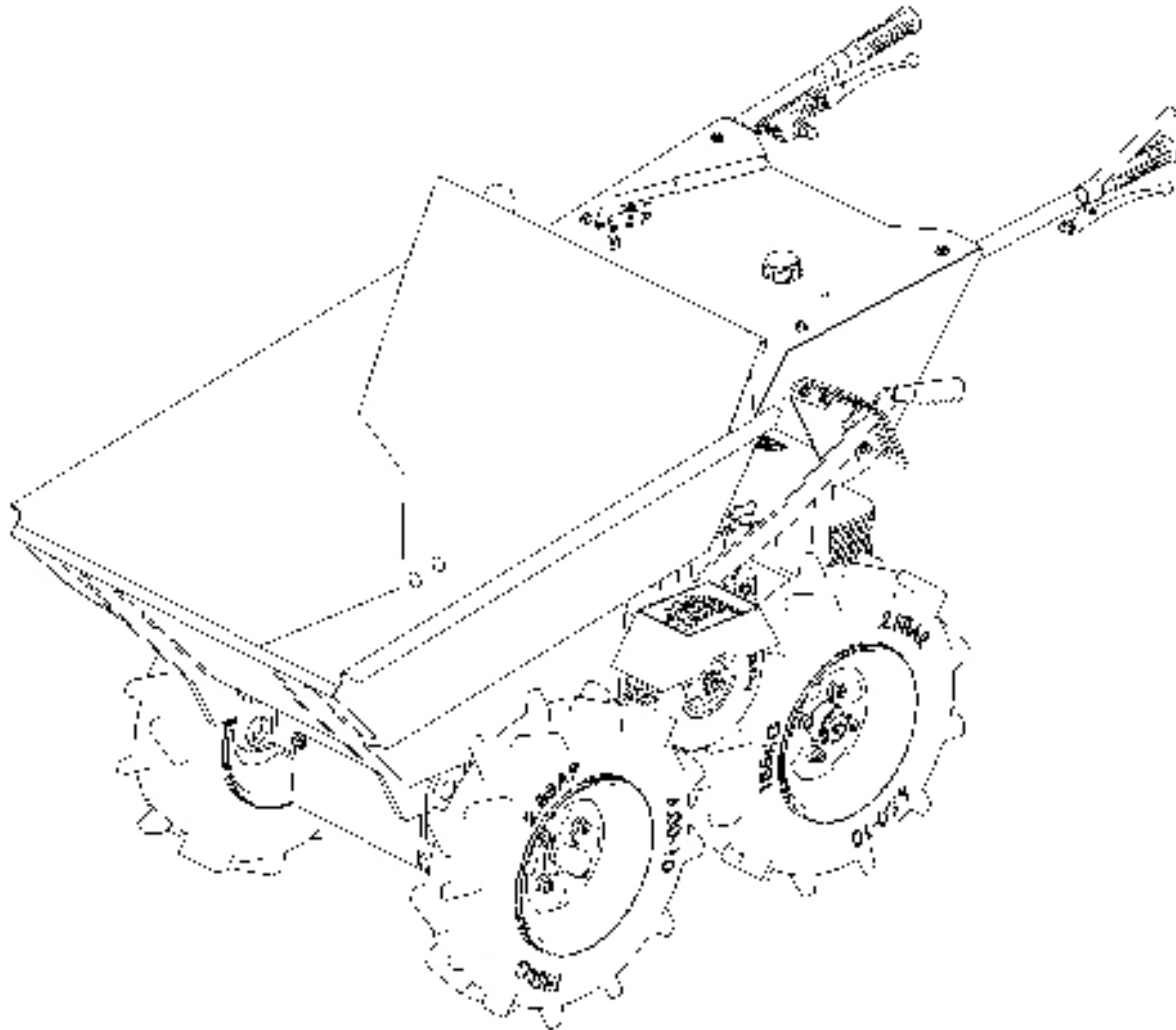




OPERATIONS - PARTS MANUAL



ATB4H **Terrain Loader**

allen
ENGINEERING
CORPORATION
819 South 5th Street
Paragould, AR 72450

Terrain Loader

OPERATIONS - PARTS

MANUAL

This manual covers the products listed below:

<u>Part No.</u>	<u>Description</u>
061690	TERRAIN LOADER, 4.8FT3(137L) W/ ENGINE

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Allen Products are covered under one or more of the following patent numbers:

U.S. Design Patents: 344,736; 400,542; 400,544; 402,998; 402,999; 403,332; 404,041; 404,042; 410,931; 413,127; 416,564; 465,897; 466,909; 474,203.

U.S. Utility Patents: 5,108,220; 5,238,323; 5,328,295; 5,352,063; 5,405,216; 5,476,342; 5,480,257; 5,480,258; 5,533,831; 5,562,361; 5,567,075; 5,613,801; 5,658,089; 5,685,667; 5,803,658; 5,816,739; 5,816,740; 5,890,833; 5,934,823; 5,967,696; 5,988,938; 5,988,939; 6,019,433; 6,019,545; 6,048,130; 6,053,660; 6,089,786; 6,106,193; 6,857,815; 5,288,166; 6,582,153 B1, 7,108,449; 7,114,876; 7,316,523; 7,690,864 B2

Canadian Patents: 2,039,893.

First Issue: September 2014

Printed in U.S.A.

Limited Warranty

LIMITED WARRANTY and LIMITATION OF LIABILITY

Allen Engineering Corporation ("Allen") warrants its products to be free of defects in material or workmanship for the following periods:

A. New Machines and Parts.....One Year

Warranty period begins on first day of use by End User. This first day of use is established by the date of a completed Allen Warranty Card or a Bill of Sale to the End User. All warranty is based on the following limited warranty terms and conditions, including the disclaimer of implied warranties and consequential damages.

1. Allen's obligation and liability under this warranty is limited to repairing or replacing parts if, after Allen's inspection, there is determined to be a defect in material or workmanship. Allen reserves the choice to repair or replace.
2. If Allen chooses to replace the part, it will be at no cost to the customer and will be made available to the Allen Distributor, Dealer, or Rental Center from whom the End User purchased the product.
3. Replacement or repair parts, installed in the product, are warranted only for the remainder of warranty period of the product as though they were the original parts.
4. Allen does not warranty engines. Engine warranty claims should be made directly to an authorized factory service center for the particular engine manufacturer.
5. Allen's warranty does not cover the normal maintenance of products or its components (such as engine tune-ups and oil & filter changes). The warranty also does not cover normal wear and tear items (such as belts and consumables).
6. Allen's warranty will be void if it is determined that the defect resulted from operator abuse, failure to perform normal maintenance on the product, modification to product, alterations or repairs made to the product without the written approval of Allen. Allen specifically excludes from warranty any damage to any trowels resulting from an impact to the rotors.
7. Impact damage is not covered under the Allen Gear Box warranty.
8. Allen will pay shop labor on warranty items at the Allen Shop Labor Rate in existence on the date of the warranty claim. An Allen Labor Chart will determine the time allowed to complete a repair and will govern the shop labor hours that will be allowed.
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10. ALLEN ENGINEERING CORPORATION'S WARRANTY POLICY WILL NOT COVER THE FOLLOWING: TAXES; SHOP SUPPLIES; ENVIRONMENTAL SURCHARGES; AIR FREIGHT; TRAVEL TIME; LOSS OF TIME; INCONVENIENCE; LOSS OF RENTAL REVENUE; RENTAL COSTS OF EQUIPMENT USED TO REPLACE THE PRODUCT BEING REPAIRED; LOSS OF USE OF THE PRODUCT; COMMERCIAL LOSS; OR ANY OTHER CHARGES WHATSOEVER OR ANY LIABILITIES FOR DIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGE OR DELAY.
11. ALLEN ENGINEERING CORPORATION MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED. THIS LIMITED WARRANTY IS IN LIEU OF THE WARRANTY OF MERCHANTABILITY AND FITNESS. THERE ARE NO OTHER WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THIS DOCUMENT.
12. No Allen employee or representative is authorized to change this warranty in any way or grant any other warranty unless such change is made in writing and signed by an officer of Allen Engineering Corporation.

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Information Contained in this Manual



This manual provides information and procedures to safely operate and maintain the Allen Machine.

For your own safety and protection from personal injury, carefully read, understand, and observe the safety instructions described in this manual. Keep this manual or a copy of it with the machine at all times.

Always operate this machine in accordance with the instructions described in this manual. A well maintained piece of equipment will provide many years of trouble free operation.

This manual is divided into the following sections:

**SECTION 1
SAFETY**

**SECTION 2
OPERATIONS**

**SECTION 3
SERVICE**

**SECTION 4
PARTS**

Complete any warranty requirements as specified by the engine manufacturer in their instructions found inside the manual box located on the operator's control panel.

Your engine is not manufactured by Allen Engineering Corporation, Inc, and therefore is not covered under Allen Engineering Corporation, Inc warranty.

Your engine manufacturer should be contacted if you wish to purchase a parts manual or a repair manual for your engine.

Refer to enclosed owners engine manual for complete O&M instructions. See your battery manufacturer for battery warranty.

Dealer Information

Your Dealer has Allen Engineering Corporation trained mechanics and original Allen replacement parts. Always contact the Allen Dealer who sold you this machine for Allen Certified repairs and replacement parts.

Place Allen Dealer information below for future reference.

Dealer Name: _____

Phone #: (____) - ____ - _____

Address: _____

City: _____ State: _____ Zip: _____

Salesman: _____ Mobile Phone _____

Additional Comments: _____



Ordering Parts

Section 4 contains illustrated parts lists for help in ordering replacement parts for your machine. Follow the instructions below when ordering parts to insure prompt and accurate delivery:

1. All orders for service parts - include the serial number for the machine. Shipment will be delayed if this information is not available.
2. Include correct description and part number from the "PARTS" section of this manual.
3. Specify exact shipping instructions, including the preferred routing and complete destination address.
4. DO NOT return parts to AEC without receiving written authorization from AEC. All authorized returns must be shipped pre-paid.
5. When placing an order, please contact the AEC dealer nearest you.

NOTE

All information, specifications, and illustrations in this manual are subject to change without notice and are based on the latest information at the time of publication.

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SECTION 1 SAFETY

Safety Information



This CAUTION sign indicates a potential hazard, which if ignored could result in injuries to the operator and/or those close by, as well as damaging the machine.



This WARNING sign indicates a potential hazard, which if ignored could result in the DEATH of the operator and/or those close by.

For your own personal protection and for the safety of those around you, please read and ensure you fully understand the following safety information. It is the responsibility of the operator to ensure that he/she fully understands how to operate this equipment safely. If you are unsure about the safe and correct use of the Terrain Loader, consult your supervisor or Allen.



Improper maintenance can be hazardous. Read and understand this section before you perform any maintenance, service or repairs.

General Safety

- The owner of this machine must observe, and also train the user of the machine to observe, the effective labour protection laws in the country of application.
- This machine is to be used for its intended application only.
- This machine must only be operated by well-trained personnel and Personal Protective Equipment (PPE) must be worn by the operator whenever the equipment is being used.
- Make sure you know how to safely switch this machine OFF before you switch it ON in case you run into any difficulties.
- During use, the engine becomes very hot. Always allow the engine to cool down before touching or servicing it and never leave the engine running unattended.
- Never remove or tamper with any fitted guards; they are there for your own protection. If they are damaged or missing, DO NOT USE THE MACHINE until the guard has been replaced or repaired.
- Do not stand the machine on end with the engine running.
- Do not use the Terrain Loader to transport people.
- Do not release the brake suddenly when travelling forward at speed with a heavy load as the machine may topple forward.
- When travelling downhill, engage the reverse gear with the clutch lever fully engaged and parking brake lever pressed down (brake off). Close the throttle if necessary so that engine braking controls the speed.
- Always ensure that when moving downwards on a hill, the machine is travelling in reverse. Do not operate the machine when you are ill, feeling tired or when under the influence of alcohol or drugs.

- This machine is designed to eliminate the possible risks arising from the use of it. However, risks DO reside, and these residual risks are not clearly recognisable and may cause personal injury or property damage, and possibly death. If such unpredictable and unrecognisable risks become apparent, the machine must be stopped immediately, and operator or his supervisor must take appropriate measure to eliminate such risks. It is sometimes necessary that the manufacturer must be informed of such an event for future counter measuring.

Fuel Safety



Fuel is flammable. It may cause injury and property damage. Shut down the engine, extinguish all open flames and do not smoke while filling the fuel tank. Always wipe up any spilled fuel.

- Before re-fuelling, switch off the engine and allow it to cool.
- When re-fuelling, use a proper funnel, and avoid spilling over the engine.
- When re-fuelling, DO NOT smoke or allow naked flames in the area.
- Spilt fuel must be made safe immediately by using sand. If fuel is spilt on your clothes, change them.
- Store fuel in an approved, purpose made container away from heat and sources of ignition.

Fuel

Do not ingest fuel or inhale fuel vapors and avoid contact with your skin. Wash fuel splashes immediately. If you get fuel in your eyes, irrigate with copious amounts of water and seek medical attention as soon as possible.



The exhaust fumes produced by this machine are highly toxic and can kill!

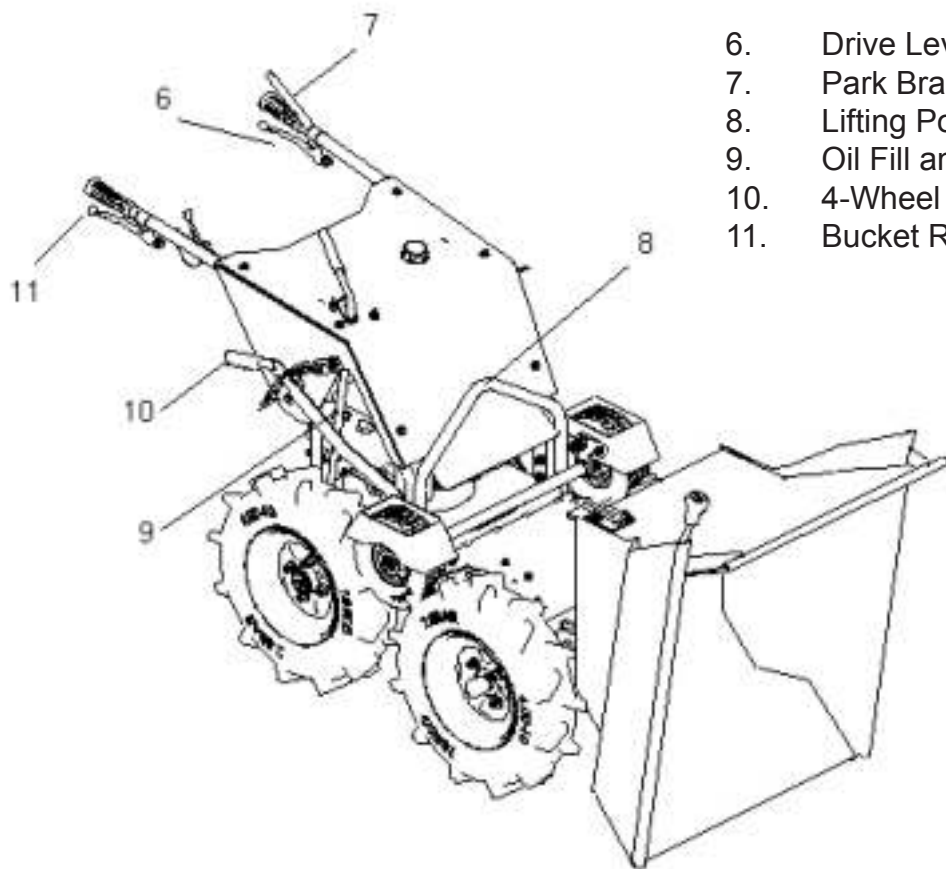
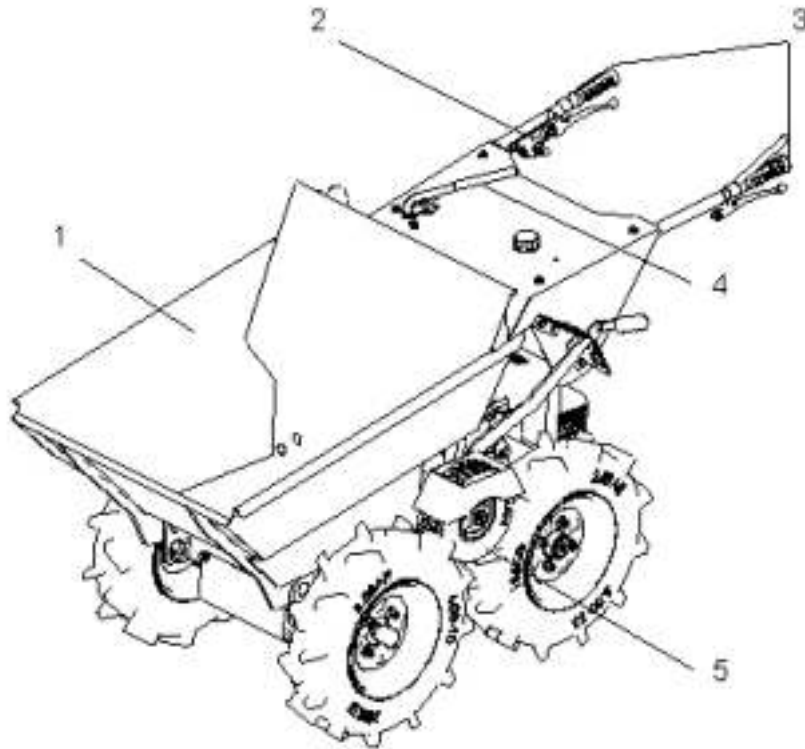
Exhaust Fumes

Do not operate the Rammer indoors or in confined spaces. Make sure the work area is adequately ventilated.

SECTION 2 OPERATIONS

Machine Description

1. Bucket
2. Throttle
3. Handle Bars
4. Gear Lever
5. Friction Wheel



6. Drive Lever
7. Park Brake Lever
8. Lifting Point
9. Oil Fill and Dipstick
10. 4-Wheel Drive Engagement Lever
11. Bucket Release Lever

Pre-start Checks

The following Pre-start-up inspection must be performed before the start of each work session or after every four hours of use, whichever is first. Please refer to the service section for detailed guidance. If any fault is discovered, the Terrain Loader must not be used until the fault is rectified.

1. Thoroughly inspect the Hoppt Terrain Loader for signs of damage. Check components are present and secure.
2. Check fluid lines, hoses filler openings, drain plugs and any other areas for signs of leakage. Fix any leaks before operating.
3. Check the engine oil level and top up as necessary.
4. Check the engine fuel level and top up as necessary.
5. Check for fuel and oil leaks.



Improper operation can be hazardous. Read and understand this section before you start the machine.

Start/Stop Procedure**Honda GXV 160 Gasoline Engine****Starting**

1. Turn the fuel shut off valve to the ON position.
2. Move the throttle control to the choke position. Do not use the choke when the engine is warm. Move the throttle control to the maximum RPM (Hare) position.
3. Pull the starter grip lightly until resistance is felt, then pull briskly.

NOTE: Do not allow the starter grip to snap back against the engine. Return it gently to prevent damage to the starter.

4. If the choke was used to start the engine, move the throttle to the fast (or high) position as soon as the engine warms up enough to run smoothly without use of the choke.

Throttle Lever

5. Position the throttle control for the desired engine speed. For best engine performance, it is recommended that the engine be operated with the throttle in the fast (or high) position.

Stopping

6. Move the throttle control to the stop position. The fuel cock will automatically turn off.
7. The engine has stopped; turn the fuel valve to the OFF position if you do not intend to restart the engine soon.

SECTION 2 OPERATIONS

Operations (cont'd)

Operation

Gear Selection Options

1st Gear = Climbing steep slopes, steps or ramps.

2nd Gear = Climbing slopes.

3rd Gear = Travelling on level ground when laden.

4th Gear = Travelling on level ground when unladen.

Operating the Terrain Loader

1. Start the engine.
2. With the engine running, select the gear by turning the Gear Lever to the desired position.
3. Release the brake by pressing the red Park Brake Lever down towards the operating handle and pull the Drive Lever upwards to engage drive. The machine will now begin to move.
4. Once the machine is moving the throttle can be opened or closed to increase or decrease the speed of the machine. (If more speed is required, follow steps 2, 3 and 4 but select a higher gear than is currently in use)

NOTE: The gears cannot be altered whilst the machine is in motion.



If it is necessary to travel down a slope of more than 15° when fully laden, ensure that the machine is turned round and reverse down the slope.

Emptying the Bucket

1. Stop the machine by releasing the Drive Lever followed by releasing the red Park Brake Lever.
2. Once the machine has become stationary compress the Bucket Release Lever and slightly lift-up the rear of the machine. The Bucket will tip forwards disposing of its contents.
3. When the Bucket is empty, push back to its original position. The Bucket will lock into place automatically.

Transportation and Storage

- When it is not used for long periods of time Terrain Loader in a clean, dry and protected environment.
- When transporting, ensure the Terrain Loader is safe against damage occurring as a result of slipping, overturning and sudden impact. Always transport the engine in an upright position.
- Never transport the unit while the engine is running even if it is only for a short distance.
- If you do not use the engine for more than a month, discharge the fuel in order to prevent the build up of gum in the fuel system and carburetor parts (refer to engine manual for instructions).



Before carrying out any maintenance on this machine ensure the engine has been switched off. The engine should also be allowed to cool as parts of the engine become hot during use.

The following tools are required for essential maintenance procedures and are not supplied with the machine.

- 17mm Socket - 19mm Socket - 14mm Plug Socket
- 10mm Spanner - 2 x 13mm Spanners - 17mm Spanner
- 19mm Spanner - Pliers

Gearbox Oil

There should be no maintenance required as this is a sealed Gearbox. If there are any signs of leakage, stop using the machine and contact your local dealer or the Allen.

Machine Cleaning

Clean the machine after it has been used to prevent the collection of hardened debris. Hardened debris is very difficult to remove. To clean it, use an old brush or hand brush with water.

NOTE: Never pressure wash or hose down the engine. Clean only with a cloth or compressed air.

Park Brake

The Parking Brake operates automatically when the red Parking Brake Lever is in the upright position. A spring holds the brake on until the lever is compressed to release it. Correct adjustment is critical. If the brake cable is too tight the brake spring will not be applying full pressure to the brake arm. If the brake cable is too slack, the brake may not release correctly when the lever is depressed and the brake will drag causing overheating and wear to the brake pads and damage to the gearbox.

Air Filter

If it is dirty, proceed as follows:

Foam Element - Wash the element in a solution of washing-up liquid and water. Allow the element to dry, then soak in clean engine oil and squeeze out the excess oil. If the engine smokes during start-up then too much oil has been left on the foam.

Paper Element - Tap the element on a hard surface or blow from inside using compressed air to remove any excess dust within the filter. Replace every 200 hours or if it is extremely dirty.

Note: When servicing the engine please refer to the engine manual for instructions.

SECTION 3 SERVICE

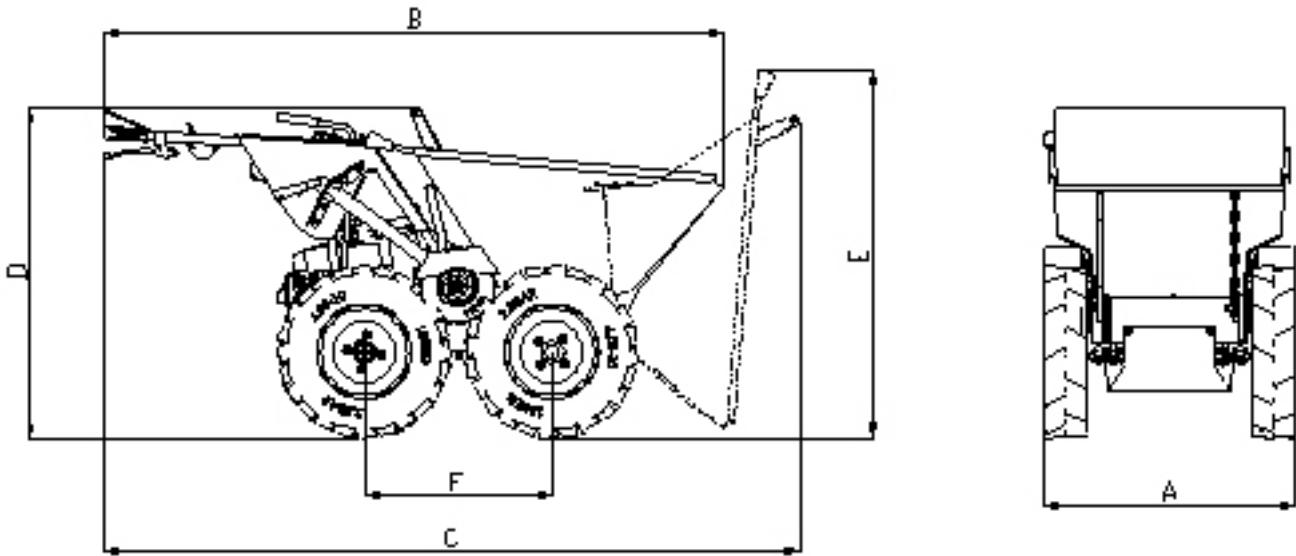
Service Schedule

Routine Maintenance		Every 20 hours	Every 50 hours	Every 75 hours	Every 200 hours
Engine Oil	Change	✓			
Air Filter	Check Condition		✓		
	Clean / Replace				✓
Spark Plug	Change				✓

Engine Details	Oil Type	Quantity (Ltr)	Fuel Type	Capacity (Ltr)	Spark Plug Type	Electrode Gap (mm)
Gasoline Honda GXV160	SAE 10-30W	0.77	Unleaded	2.41	BPR5ES	0.07-0.08

Troubleshooting

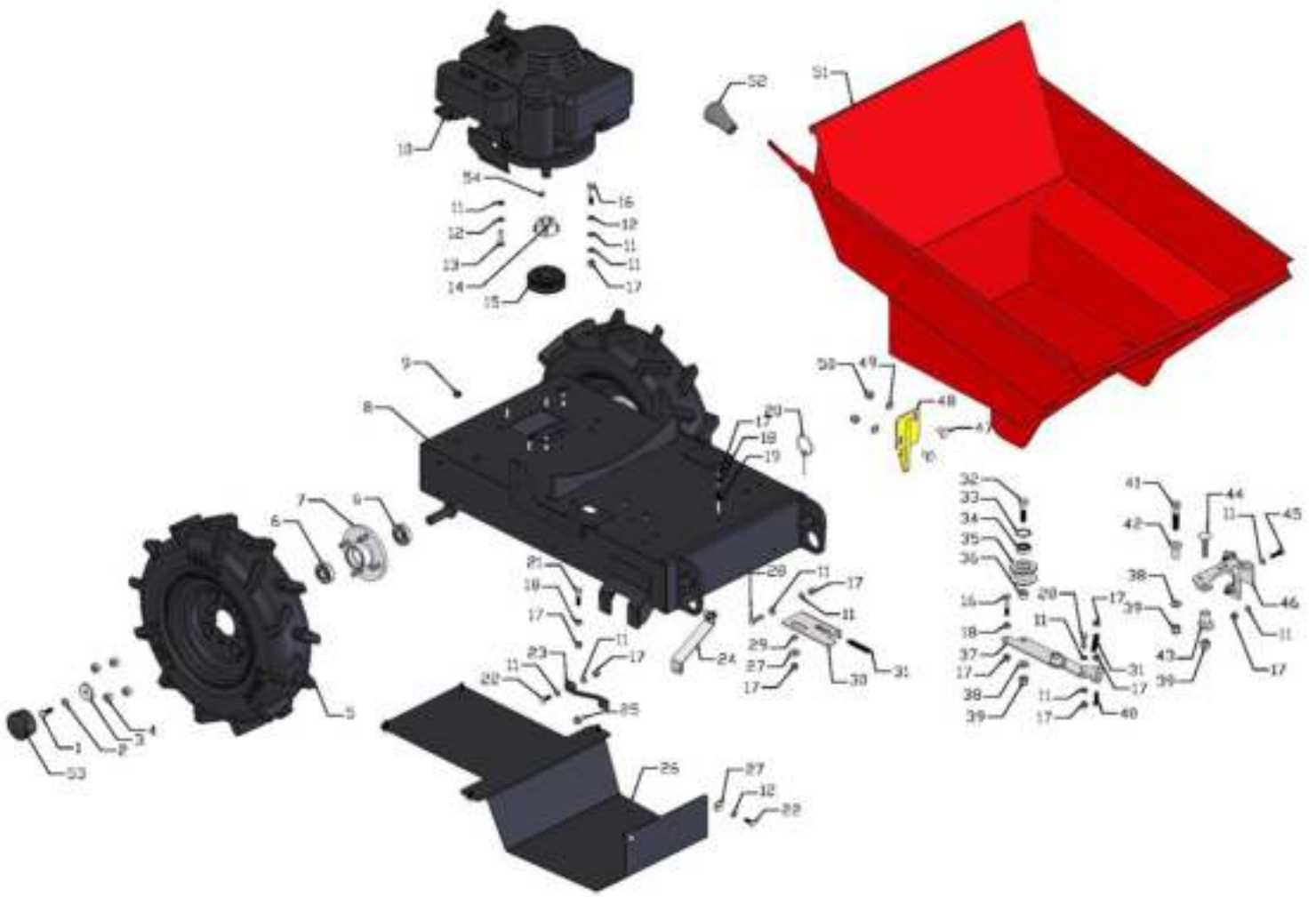
Problem	Cause	Remedy
Terrain Loaders does not move whilst engine is running	Drive belt is not tight enough	Tighten drive belt
	Gear is not properly selected	Ensure gear lever is not inbetween two different gears.
Front wheels are spinning whilst 4-wheel drive is engaged	Under-inflated tyres	Inflate tyres to 50 PSI
Engine will not start	No fuel getting to engine	Fill fuel tank Open fuel valve
	Engine switched off	Switch on
	Spark plug fouled	Clean, check and reset plug gap
	Engine cold	Close choke
	Engine flooded	Open choke, fully open throttle, pull recoil starter until engine fires
	Cut out switch wire	Reconnect wire



Specifications	Terrain Loader
A - Machine Width (mm)	721
B - Machine Length (mm)	1787
C - Machine Length During Tipping (mm)	2013
D - Machine Height (mm)	958
E - Machine Height During Tipping (mm)	1064
F - Wheel Base	542
Engine Model	Honda GXV160 (5.5hp)
Engine Type	Unleaded Petrol
Max. Engine RPM	3000
Max. Travel Speed - Forward (km/h)	5.8
Max. Travel Speed - Reverse (km/h)	1.7
Bucket Capacity - Fill Volume (Ltr)	116
Bucket Capacity - Heaped Volume (Ltr)	137
Tyre Pressure (PSI / Bar)	40 / 2.8
Tyre Size (mm)	102 x 254
Tyre Pressure - Friction Wheel (PSI / Bar)	50 / 3.5
Tyre Size - Friction Wheel (mm)	90-100 x 225
Machine Weight (kg)	162
Max. Axle Weight (kg)	340
Max. Uphill Gradient	20°
Max. Downhill Gradient	20°
Noise Level (dB)	101

SECTION 4 PARTS

ATB4H Main Chassis Unit Assembly Illustration



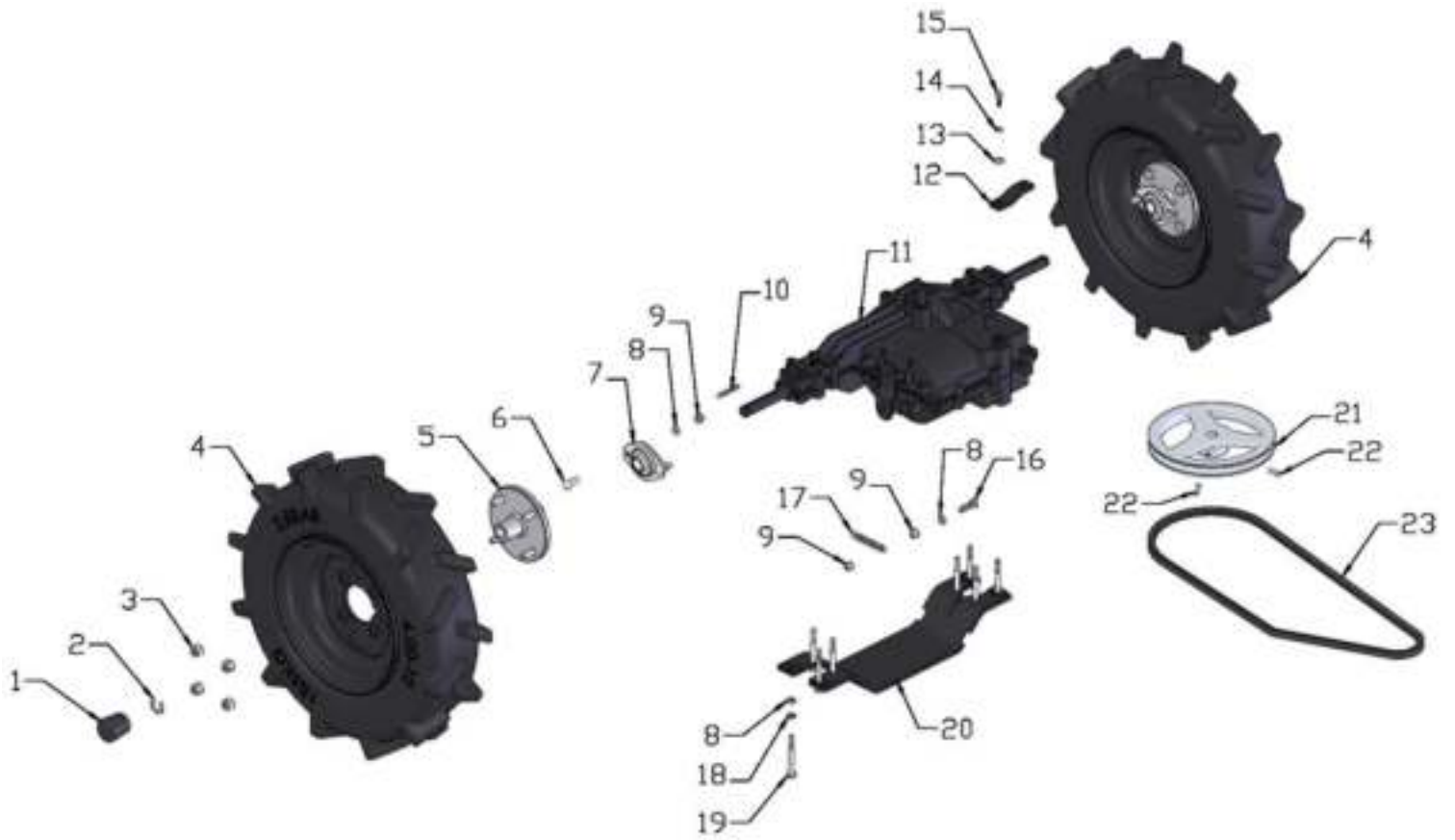
ATB4H Main Chassis Unit Assembly Parts List

SECTION 4 PARTS

NO.	PART #	PART DESCRIPTION	QTY
01-1	061538	BOLT	2
01-2	061539	SPRING WASHER, TANG ENDS	2
01-3	061540	WASHER	2
01-4	061541	NUT	8
01-5	061542	WHEEL	2
01-6	061543	BEARING	4
01-7	061544	FLANGE, REAR WHEEL	2
01-8	061545	MIAN CHASSIS	1
01-9	061546	RUBBER GROMMET	3
01-10	061547	ENGINE	1
01-11	061548	WASHER	24
01-12	061549	SPRING WASHER, TANG ENDS	13
01-13	061550	BOLT	4
01-14	061551	BUSH	1
01-15	061552	PULLEY	1
01-16	061553	BOLT	4
01-17	061554	LOCK NUT	19
01-18	061555	NUT	5
01-19	061556	BOLT	3
01-20	061557	PIN	1
01-21	061558	BOLT	1
01-22	061559	BOLT	8
01-23	061560	GEARBOX BRACKET B	1
01-24	061561	GEARBOX BRACKET A	1
01-25	061562	HEXAGON FLANGE BOLT	2
01-26	061563	SOLEPLATE	1
01-27	061564	WASHER	8
01-28	061565	LOCK BOLT	2
01-29	061566	BUSH	2
01-30	061567	SLIDE PLATE	1
01-31	061568	SPRING	2
01-32	061569	BOLT	1
01-33	061570	INTERNAL CIRCLIP	1
01-34	061571	BEARING	1
01-35	061572	TENSION PULLEY	1
01-36	061573	BUSH,TENSION PULLEY	1
01-37	061574	TENSION PULLEY ARM	1
01-38	061575	WASHER	2
01-39	061576	LOCK NUT	3
01-40	061577	BOLT	2
01-41	061578	BOLT	1
01-42	061579	BUSH	1
01-43	061580	GUIDE TUBE	1
01-44	061581	SQUARE NECKBOLT	1
01-45	061582	BOLT	2
01-46	061583	TENSION PULLEY BRACKET	1
01-47	061584	SQUARE NECKBOLT	2
01-48	061585	CATCH	1
01-49	061586	WASHER	2
01-50	061587	LOCK NUT	2
01-51	061588	BUCKET	1
01-52	061589	GRIP	1
01-53	061590	CAP	2
01-54	061591	WOODRUFF KEY	1

SECTION 4 PARTS

ATB4H Transmission Unit Assembly Illustration



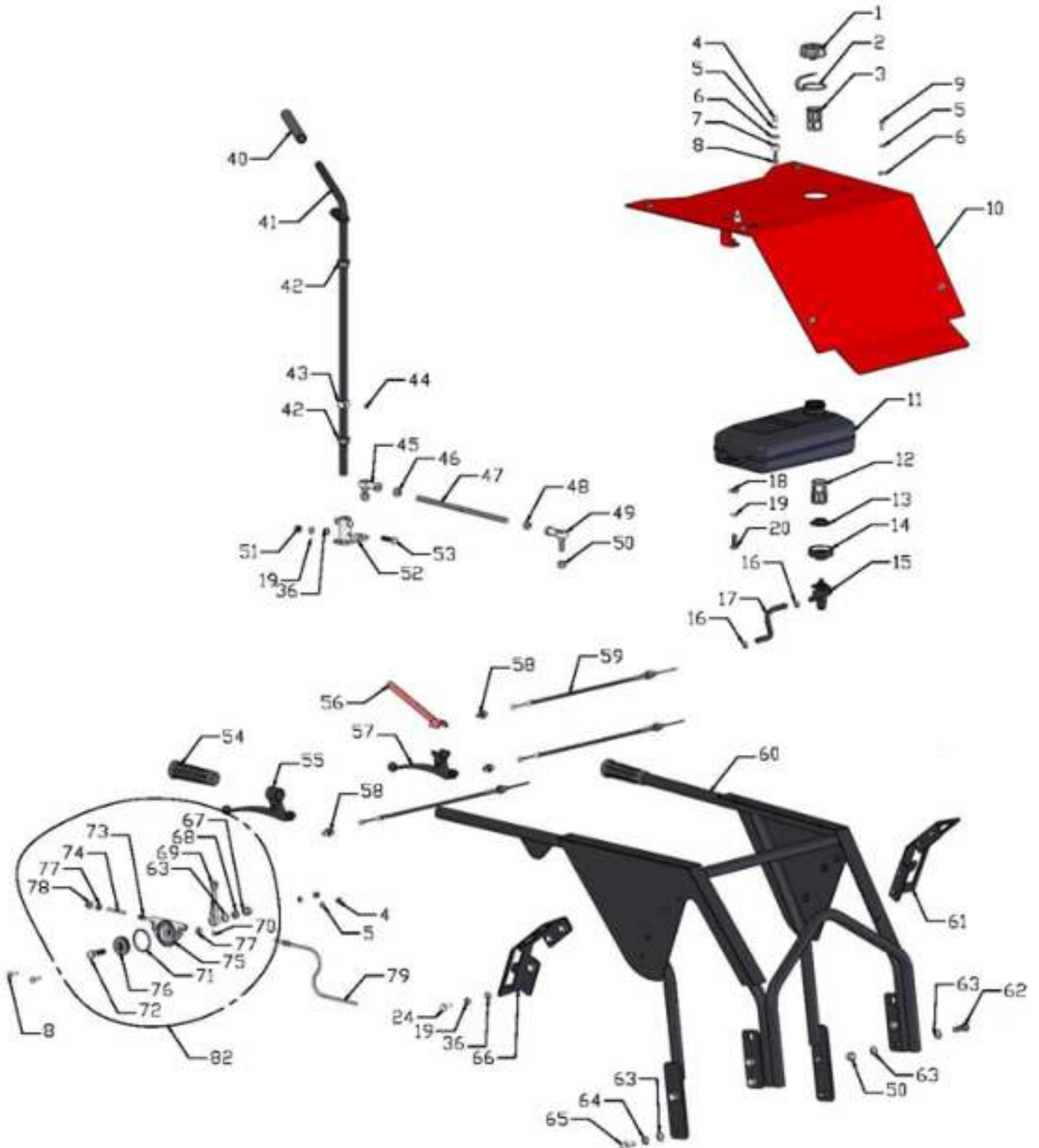
ATB4H Transmission Unit Assembly Parts List

SECTION 4 PARTS

NO.	PART #	PART DESCRIPTION	QTY
02-1	061592	CAP	2
02-2	061593	LOCK WASHER FOR SHAFTS	2
02-3	061594	NUT	8
02-4	061595	WHEEL	2
02-5	061596	FLANGE, FRONT WHEEL	2
02-6	061597	BOLT	4
02-7	061598	BEARING	2
02-8	061599	WASHER	13
02-9	061602	LOCK NUT	6
02-10	061603	KEY	2
02-11	061604	TRANSAXLE	1
02-12	061605	TRIGGER	1
02-13	061606	WASHER	1
02-14	061607	SPRING WASHER, TANG ENDS	1
02-15	061608	BOLT	1
02-16	061609	LOCK BOLT	1
02-17	061611	SPRING	1
02-18	061612	SPRING WASHER, TANG ENDS	8
02-19	061613	BOLT	8
02-20	061614	GEARBOX BRACKET	1
02-21	061615	GEARBOX PULLEY	1
02-22	061616	SOCKET SCREW WITH FLAT HEAD	2
02-23	061617	V-BELT	1

SECTION 4 PARTS

ATB4H Operation Unit Assembly Illustration



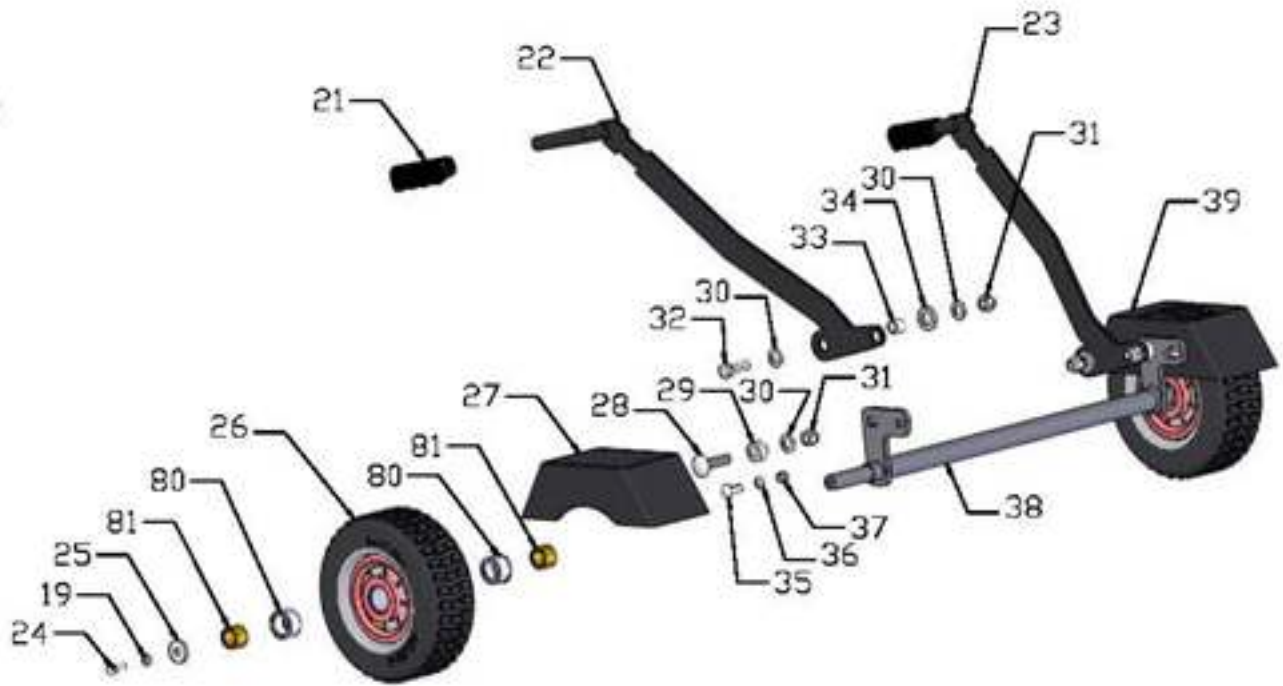
ATB4H Operation Unit Assembly Parts List

SECTION 4 PARTS

NO.	PART #	PART DESCRIPTION	QTY
03-1	061618	FUEL TANK CAP	1
03-2	061619	STRAP	1
03-3	061621	STRAINER	1
03-4	061622	CAP NUT	4
03-5	061623	SPRING WASHER, TANG ENDS	10
03-6	061624	WASHER	8
03-7	061625	BUSH	3
03-8	061626	BOLT	4
03-9	061627	BOLT	6
03-10	061628	COVER	1
03-11	061629	FUEL TANK	1
03-12	061631	STRAINER	1
03-13	061632	PACKING	1
03-14	061633	FUEL TANK CAP ,BOTTOM	1
03-15	061634	FUEL VALVE	1
03-16	061635	HOSE BAND	2
03-17	061636	FUEL HOSE	1
03-18	061637	WASHER	2
03-19	061638	SPRING WASHER, TANG ENDS	14
03-20	061639	BOLT	2
03-21	061641	HANDLE COVER	2
03-22	061642	RIGHT FRICTION WHEEL LEVER	1
03-23	061643	LEFT FRICTION WHEEL LEVER	1
03-24	061644	BOLT	10
03-25	061645	WASHER	2
03-26	061646	FRICTION WHEEL	2
03-27	061647	RIGHT FRICTION WHEEL COVER	1
03-28	061648	SQUARE NECKBOLT	2
03-29	061649	WASHER	2
03-30	061651	WASHER	6
03-31	061652	LOCK NUT	4
03-32	061653	BOLT	2
03-33	061654	BUSH	2
03-34	061655	WASHER	2
03-35	061656	BOLT	2
03-36	061657	WASHER	12
03-37	061658	LOCK NUT	2
03-38	061659	FRICTION WHEEL SHAFT	1
03-39	061661	LEFT FRICTION WHEEL COVER	1
03-40	061662	GRIP,GEAR SELECTOR ROD	1

SECTION 4 PARTS

ATB4H Operation Unit Assembly (cont'd) Illustration



ATB4H Operation Unit Assembly (cont'd) Parts List

SECTION 4 PARTS

NO.	PART #	PART DESCRIPTION	QTY
03-41	061663	GEAR SELECTOR ROD	1
03-42	061664	NYLON BUSH	2
03-43	061665	BUSH	1
03-44	061666	GRUB SCREW	1
03-45	061667	UNIVERSAL JOINT	1
03-46	061668	NUT L.H	2
03-47	061669	THREADED BAR	1
03-48	061671	NUT	1
03-49	061672	UNIVERSAL JOINT	1
03-50	061673	LOCK NUT	6
03-51	061674	NUT	2
03-52	061675	CONNECTOR	1
03-53	061676	BOLT	2
03-54	061677	HAND GRIP	2
03-55	061678	CONTROL LEVER	1
03-56	061760	CONTROL LEVER	1
03-57	061761	CONTROL LEVER	1
03-58	061762	ADJUSTING SCREW	3
03-59	061763	CONTROL CABLE	3
03-60	061764	HANDLE	1
03-61	061765	LEFT BRACKET	1
03-62	061766	BOLT	4
03-63	061767	WASHER	14
03-64	061768	SPRING WASHER, TANG ENDS	4
03-65	061769	BOLT	4
03-66	061770	RIGHT BRACKE	1
03-67	061771	CAP NUT	1
03-68	061772	HEXAGON THIN NUT	1
03-69	061773	THROTTLE LEVER	1
03-70	061774	SOCKET SCREW WITH FLAT HEAD	1
03-71	061775	SOCKET SCREW WITH FLAT HEAD	1
03-72	061776	BOLT	1
03-73	061777	SOCKET SCREW WITH FLAT HEAD	1
03-74	061778	SLIDER	1
03-75	061779	THROTTLE BODY	1
03-76	061780	THROTTLE GEAR	1
03-77	061781	HEXAGON THIN NUT	2
03-78	061782	CAP NUT	1
03-79	061783	THROTTLE CABLE	1
03-80	061784	BUSH	4
03-81	061785	SLIDING BEARING	4
03-82	061786	THROTTLE LEVER ASSY	1

SECTION 4
PARTS

ATB4H Flatbed Unit Assembly
Illustration

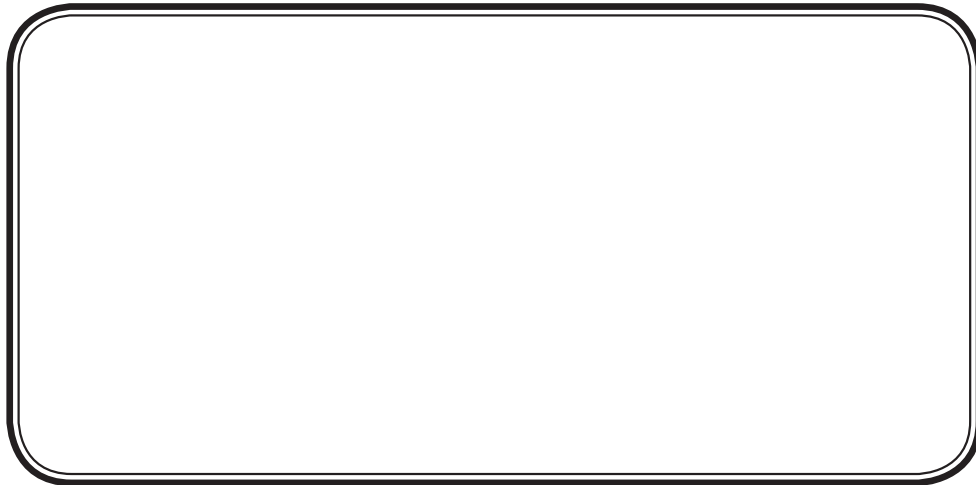


ATB4H Flatbed Unit Assembly Parts List

SECTION 4 PARTS

NO.	PART #	PART DESCRIPTION	QTY
04-1	061787	FLATBED BRACKET	1
04-2	061788	FLATBED	2
04-3	061789	BOLT	8
04-4	061790	WASHER	8
04-5	061791	LOCK NUT	8

YOUR TOTAL SOURCE FOR CONCRETE EQUIPMENT



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