

MAGIC SCREED®

HD7070



OPERATIONS & PARTS MANUAL

Manual Part #: 046475 | Revision: -
Language: English | Original Instructions



NOTICE

This manual, or a copy of it, must be kept with the machine at all times. There is a manual storage container located on the machine for your convenience.

Magic Screed

OPERATIONS - PARTS

MANUAL

This manual covers the products listed below:

| <u>Part No.</u> | <u>Description</u> |
|-----------------|--------------------|
| 047581 | MAGIC SCREED |

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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.

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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.
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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.
9. Allen will pay freight on warranty replacement parts at worldwide standard ground rates. No warranty replacement parts will be shipped air freight at the expense of Allen. Allen only pays outbound freight charges when sending warranty replacement parts to the customer via ground service. Allen does not pay any inbound freight. However, if Allen determines this to be a warranted item, only then will Allen reimburse the customer for inbound freight at standard ground rates.
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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

Do not operate or service the equipment before reading the entire manual. Safety precautions should be followed at all times when operating this equipment. Failure to read and understand the safety messages and operating instructions could result in injury to yourself and others.

SAFETY NOTES

The four safety notes shown below will inform you about potential hazards that could injure you or others. The safety notes specifically address the level of exposure to the operator and are preceded by one of four words: DANGER, WARNING, CAUTION, or NOTICE.



Indicates a hazardous situation which, if not avoided, **will** result in death or serious injury.



Indicates a hazardous situation which, if not avoided, **could** result in death or serious injury.



Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.



Addresses practices not related to personal injury.



- **NEVER** operate this equipment without proper protective clothing, shatterproof glasses, respiratory protection, hearing protection, steel-toed boots and other protective devices required by the job or city and state regulations.



- **ALWAYS** avoid wearing jewelry or loose fitting clothes that may snag on the controls or moving parts as this can cause serious injury.

- **NEVER** operate this equipment when not feeling well due to fatigue, illness or when under medication.



- **NEVER** operate this equipment under the influence of drugs or alcohol.



- **ALWAYS** clear the work area of any debris, tools, etc. that would constitute a hazard while the equipment is in operation.

- **DO NOT** use the equipment for any purpose other than its intended purposes or applications.

- AEC does not assume responsibility for any accident due to equipment modifications. Unauthorized equipment modification will void all warranties.

- **NEVER** use accessories or attachments that are not recommended by AEC for this equipment. Damage to the equipment and/or injury to user may result.

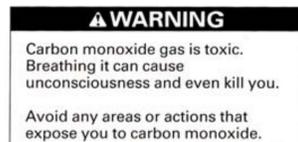
- **ALWAYS** know the location of the nearest fire extinguisher.



- **ALWAYS** know the location of the nearest first aid kit.



- Exhaust gas contains poisonous carbon monoxide. Avoid inhalation of exhaust gas. Never run the engine in a closed or confined area without proper ventilation.

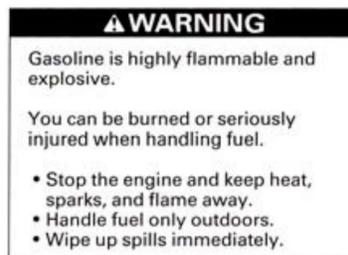


SECTION 1 SAFETY

General Safety cont.

WARNING

- Refuel with care. Gasoline is extremely flammable, and gasoline vapor can explode. Refuel outdoors, in a well ventilated area, with the engine stopped.
- **NEVER** smoke near gasoline, and keep flames and sparks away.
- **ALWAYS** store gasoline in an approved container. If any fuel is spilled make sure the area is dry before starting the engine.



CAUTION

- **NEVER** touch the hot exhaust manifold, muffler or cylinder. Allow these parts to cool before servicing equipment.
- Let the engine and exhaust system cool before touching.
- **DO NOT** put your hands on any vibrating or moving parts.



NOTICE

- Use unleaded gasoline with a pump octane rating of 86 or higher.
- When transporting, if the engine has been running, allow it to cool off for at least 15 minutes before loading the screed on a transport vehicle. A hot engine and exhaust system can burn or can ignite some materials.

Engine Safety

NOTICE

- Before starting your honda engine, consult the **Honda owner's manual** supplied with your screed. **Keep this manual handy.**
- The Honda engine on your screed is a 4-cycle engine. It requires unleaded gasoline. Consult your **Honda owner's manual, page 8.**
- The on/off switch is located on the left-hand side, under the carburator of the engine supplied with your screed.

! WARNING

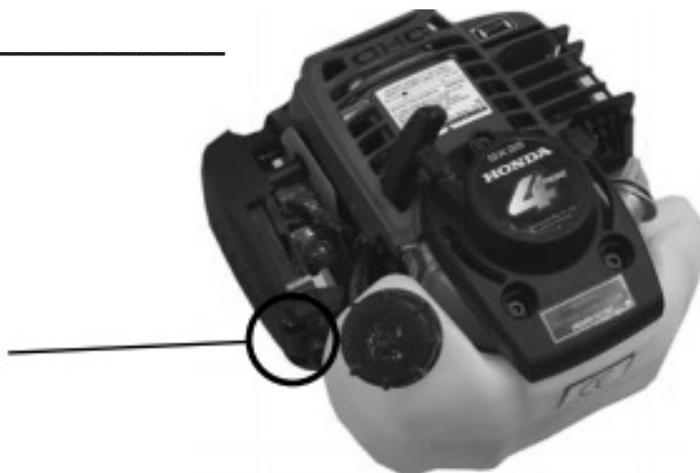
- There is no oil in the engine. To check oil level, consult the **Honda owner's manual, page 9.**

! NOTE

- The complete starting procedure is in your honda owner's manual, page 4.

HONDA ENGINE _____

ON/OFF SWITCH



SECTION 1 SAFETY

Warning Logos

NOTE

This label denotes the model number of your screed. It is recommended to record this information in this manual. This label can be found on the left handle.

| | | | |
|---|--------|------------|---------------|
| MAGIC SCREED 630 RUE DE L'ARGON Québec, (Québec) CANADA, G2N 2J6 | MODEL | HD 7070 | ENGINE ASSY. |
| | YEAR | 2006 | MASS 13.70 KG |
| | ENGINE | HONDA | RPM 8500 |
| | 35CC | GX 35 TMS3 | KW 1.1 KW |

CAUTION

This label cautions against hot surfaces. To prevent serious burns, avoid touching these surfaces



CAUTION

This is a multi-purpose label that requires the operator to have maximum eye, hand, and feet protection.



WARNING

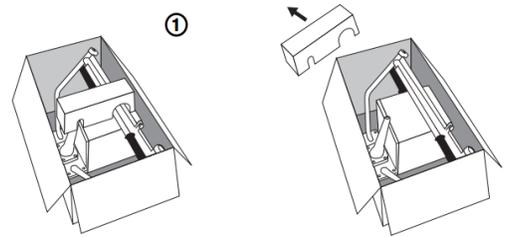
This label warns that the engine should be stopped before re-fueling your screed. It also notes to use unleaded gas only.



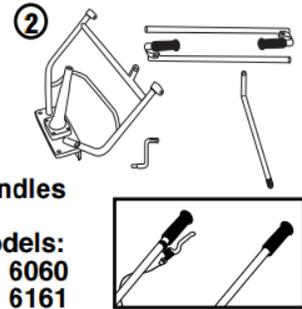
Assembly and Starting Procedure

SECTION 2 OPERATIONS

STEP 1: Take the protective foam out of the box.

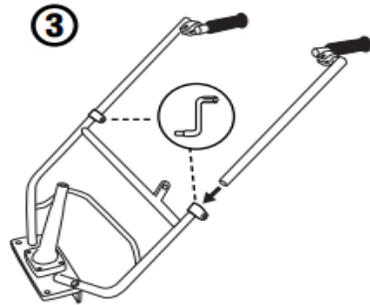


STEP 2: Remove both Adjustable handles and the base handle (assembled with vibrator and housing shaft).

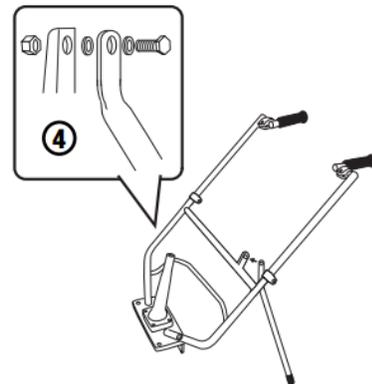


STEP 3: Insert the adjustable handles into the base handle (throttle control on the right side) and tighten the collar. Do not overtighten.

Note: If ordered with 360° adjustable handles, adjust and tighten to comfort.



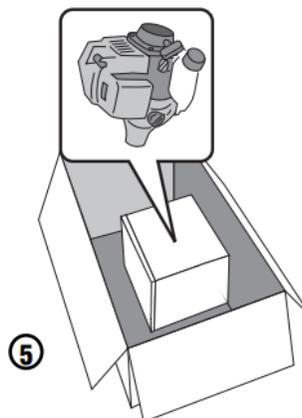
STEP 4: Place the stand with the flat side against the support, ensuring that one of the nylon washers is on each side of the stand (follow the drawing).



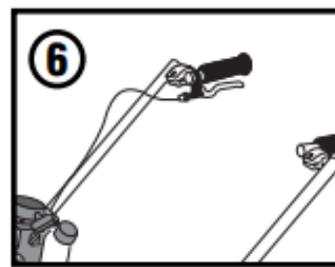
SECTION 2 OPERATIONS

Assembly and Starting Procedure cont.

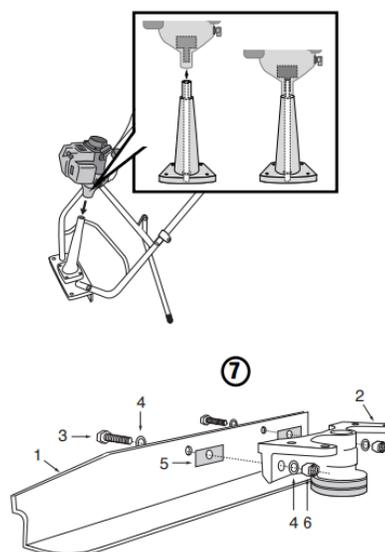
STEP 5: Assembly of the engine. Remove the engine from the protective foam. Place the engine on the housing shaft, make sure that the driveshaft is inserted in the clutch adaptor, and tighten. (Do not overtighten)



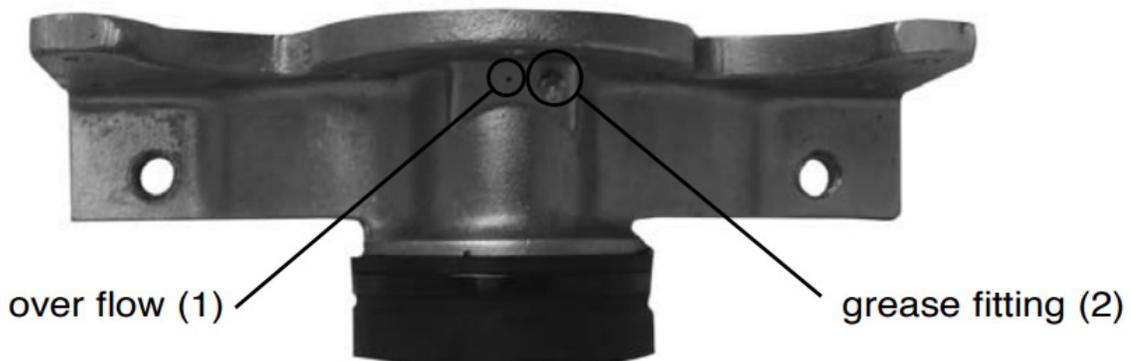
STEP 6: Put the rounded end of the throttle cable into the throttle control and adjust so that the rubber handle grip becomes the stopper.



STEP 7: Assemble the blade (1) on the screed vibrator (2) in the following order: bolts (3), washers (4), blade (1), plastic spacers (5), washers (4), nuts (6) (See Drawing). Tighten all the above at approximately **85 to 100 Lbs. torque**. **It is very important that the plastic spacers are always between the vibrator and the blade.** They are used as a cushion and prevent blade damage. If both are not in place this could void the warranty.

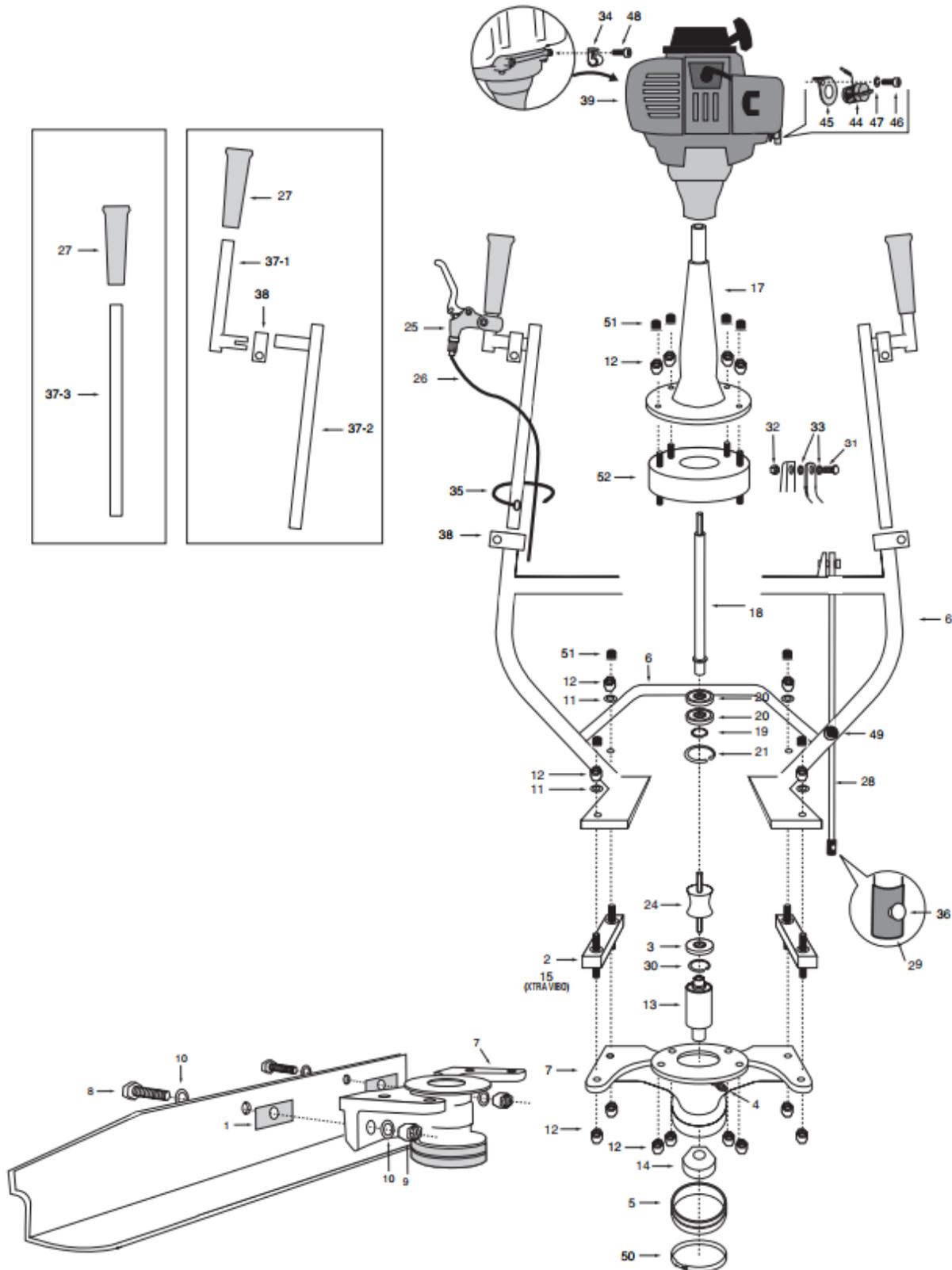


1. Before cleaning, servicing or repairing your screed, stop the engine and wait for any moving parts to stop then remove the spark plug cap.
If the engine has been running, allow it to cool off for at least 15 to 20 minutes before cleaning with water.
2. **Grease:** the housing weight must be greased approximately every ten hours of operation. Do not over grease. An over flow (1) is located at the opposite side of the grease fitting (2) and must be cleaned before each greasing to prevent pressure from being applied by the grease on the bearing. Any such pressure could seize the bearing or damage your housing weight.
3. Your screed should be disassembled frequently for proper cleaning in order to prevent any concrete build-up that could **break or prematurely damage** your equipment. Warranty does not cover damage or performance problems on your screed resulting from neglected maintenance or cleaning.
4. Take apart the blade and clean any concrete accumulation.
5. Take apart the housing weight from the handles and clean the concrete underneath the handles and in the housing shaft.
6. Take the rubber cover off and clean any concrete or grease accumulation to allow the counter-weight to move freely.
7. Put everything back together making sure that the plastic spacers are between the blade and the housing weight. Tighten the blade following the assembly procedure to 85 to 100 Lb. -Ft. torque it is very important that the plastic spacers are always between the vibrator and the blade.



SECTION 4 PARTS

Screed Assembly Illustration



Screed Assembly Parts List

SECTION 4 PARTS

| Item | Description | MODEL HD 6060 | MODEL HD 6161 | MODEL HD 7070 | MODEL HD 7171 | QTY |
|------|--------------------------|---------------|---------------|---------------|---------------|-----|
| 1 | PLASTIC SPACER | 10002 | 10002 | 10002 | 10002 | 2 |
| 2 | VIBRO MOUNT | 10003 | | 10003 | | 2 |
| 3 | SEAL | 10005 | 10005 | 10005 | 10005 | 1 |
| 4 | GREASE FITTING | 10008 | 10008 | 10008 | 10008 | 1 |
| 5 | RUBBERCOVER | 10009-2 | 10009-2 | 10009-2 | 10009-2 | 1 |
| 6 | HANDLES | 50004 | 50004 | 50004 | 50004 | 1 |
| 6 | HANDLE HOLD STYLE | 10011-2 | 10011-2 | 10011-2 | 10011-2 | 1 |
| 7 | HOUSING WEIGHT | 500003 | 500003 | 500003 | 500003 | 1 |
| 8 | BOLT 1/2 | 10017 | 10017 | 10017 | 10017 | 2 |
| 9 | NUT 1/2 | 011491 | 011491 | 011491 | 011491 | 2 |
| 10 | WASHER 1/2 | 011490 | 011490 | 011490 | 011490 | 4 |
| 11 | WASHER 8MM | 10023 | 10023 | 10023 | 10023 | 4 |
| 12 | NUT 8MM | 10024 | 10024 | 10024 | 10024 | 16 |
| 13 | SHAFT ASSY | 10026 | 10026 | 10026 | 10026 | 1 |
| 14 | COUNTER WEIGHT | 10027 | 10027 | 10027 | 10027 | 1 |
| 15 | XTRA VIBRO MOUNT | | 11003 | | 11003 | 2 |
| 17 | HOISING SHAFT | 50001 | 50001 | 50001 | 50001 | 1 |
| 18 | DRIVE SHAFT | 20003-5050 | 20003-5050 | 20003-5050 | 20003-5050 | 1 |
| 19 | CIRCLIP 13MM | 20004 | 20004 | 20004 | 20004 | 1 |
| 20 | BEARING | 20005 | 20005 | 20005 | 20005 | 2 |
| 21 | CIRCLIP 29MM | 20006 | 20006 | 20006 | 20006 | 1 |
| 24 | DRIVE AXLE | 20009 | 20009 | 20009 | 20009 | 1 |
| 25 | THROTTLE CONTROL | 20010 | 20010 | 20010 | 20010 | 1 |
| 26 | THROTTLE CABLE | 20011-HD | 20011-HD | 20011-HD | 20011-HD | 1 |
| 27 | GRIP | 20012 | 20012 | 20012 | 20012 | 2 |
| 28 | STAND | 20013-1 | 20013-1 | 20013-1 | 20013-1 | 1 |
| 29 | STAND RUBBER | 20014 | 20014 | 20014 | 20014 | 1 |
| 30 | CIRCLIP 1 1/2 | 20016 | 20016 | 20016 | 20016 | 1 |
| 31 | BOLT 1/4 | 20017 | 20017 | 20017 | 20017 | 1 |
| 32 | NUT 1/4 | 20018 | 20018 | 20018 | 20018 | 1 |
| 33 | 6MM NYLON FOR STAND | 20023 | 20023 | 20023 | 20023 | 2 |
| 34 | THROTTLE CABLE CLIP | 20024 | 20024 | 20024 | 20024 | 1 |
| 35 | TIE RAP | 20026 | 20026 | 20026 | 20026 | 1 |
| 36 | POP 1/8 FOR STAND RUBBER | 20027 | 20027 | 20027 | 20027 | 1 |
| 37 | ADJ HDLSLIP ON SECTION | | | 20032-1 | 20032-1 | |
| 37-1 | ADJ. HDLGRIP SECTION | | | 20032-2 | 20032-2 | 2 |
| 37-2 | ADJ HDL. LONG SECTION | | | 20032-3 | 20032-3 | 2 |
| 37-3 | TOP SECTION HANDLES | 20032-4 | 20032-4 | | | 2 |
| 38 | CLIP FOR HANDLES | 20033 | 20033 | 20033 | 20033 | 2 |
| 39 | HONDA ENG. GX 35 TSM3 | 50000 | 50000 | 50000 | 50000 | 1 |
| 44 | ON OFF SWITCH HONDA | 40005 | 40005 | 40005 | 40005 | 1 |
| 45 | SWITCH BRACKET HONDA | 40006 | 40006 | 40006 | 40006 | 1 |
| 46 | BOLT FOR 40006 | 40007 | 40007 | 40007 | 40007 | 1 |
| 47 | LOCK FOR 40008 | 40008 | 40008 | 40008 | 40008 | 1 |
| 48 | BOLT FOR 20024 HONDA | 40010 | 40010 | 40010 | 40010 | 1 |
| 49 | STAND BUMPER | 20035 | 20035 | 20035 | 20035 | 1 |
| 50 | TIE RAP | 20040 | 20040 | 20040 | 20040 | 1 |
| 51 | CAP FOR 50002 | 50005 | 50005 | 50005 | 50005 | 8 |
| 52 | ANTI VIBRATION SEAL | 50002 | 50002 | 50002 | 50002 | 1 |

SECTION 4 PARTS

Magic Screed Parts Assembly

DA 4050 THROTTLE CABLE ASSEMBLY STANDARD

| PART NO. | DESCRIPTION | QTY |
|----------|------------------|-----|
| 20011-HD | THROTTLE CABLE | 1 |
| 20010 | THROTTLE CONTROL | 1 |
| 20026 | TIE RAP | 1 |



DA 4051 THROTTLE CABLE ASSEMBLY LONG

| PART NO. | DESCRIPTION | QTY |
|----------|---------------------|-----|
| 20011-HD | THROTTLE CABLE LONG | 1 |
| 20010 | THROTTLE CONTROL | 1 |
| 20026 | TIE RAP | 1 |



DA 4055 RUBBER COVER ASSEMBLY

| PART NO. | DESCRIPTION | QTY |
|----------|--------------|-----|
| 10009-2 | RUBBER COVER | 1 |
| 20040 | TIE RAP | 1 |



DA 4057 GRIP ASSEMBLY

| PART NO. | DESCRIPTION | QTY |
|----------|---------------|-----|
| 20012 | GRIP SET OF 2 | 2 |



DA 4059 VIBRO MOUNTS

| PART NO. | DESCRIPTION | QTY |
|----------|--------------|-----|
| 10003 | VIBRO MOUNTS | 2 |
| 10024 | NUT 8 MM | 8 |
| 10023 | WASHER 8 MM | 4 |



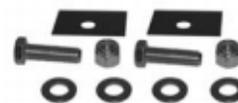
DA 4059-X X-TRA VIBRO MOUNTS

| PART NO. | DESCRIPTION | QTY |
|----------|--------------------|-----|
| 11003 | X-TRA VIBRO MOUNTS | 2 |
| 10024 | NUT 8 MM | 8 |
| 10023 | WASHER 8 MM | 4 |



DA 4060 BOLT & NUT 1/2

| PART NO. | DESCRIPTION | QTY |
|----------|----------------|-----|
| 011491 | NUT 1/2 | 2 |
| 10017 | BOLT 1/2 | 2 |
| 011490 | WASHER 1/2 | 4 |
| 10002 | PLASTIC SPACER | 2 |



DA 4064 BEARING FOR DRIVE SHAFT

| PART NO. | DESCRIPTION | QTY |
|----------|---------------|-----|
| 20005 | BEARING | 2 |
| 20004 | CIRCLIP 13 MM | 1 |
| 20006 | CIRCLIP 29 MM | 1 |



DA 4067 BEARING FOR HOUSING WEIGHT

| PART NO. | DESCRIPTION | QTY |
|----------|-----------------|-----|
| 10026 | SHAFT ASSY | 1 |
| 20016 | SNAP RING 38 MM | 1 |
| 10005 | SEAL | 1 |
| 10008 | GREASE FITTING | 1 |



**DA 4070 SECONDARY LIFTING HANDLE
(HD 4040 HD 5050)**

| PART NO. | DESCRIPTION | QTY |
|----------|--------------------------|-----|
| 20036 | SECONDARY LIFTING HANDLE | 1 |



DA 4073 ENGINE ADAPTOR GX 31

| PART NO. | DESCRIPTION | QTY |
|----------|----------------------|-----|
| 40001 | ENGINE ADAPTOR GX 31 | 1 |
| 40003 | SNAP RING | 1 |
| 40002 | BOLT FOR 40001 | 1 |
| 40004 | LOCK FOR 40002 | 1 |



DA 4077 DRIVE AXLE

| PART NO. | DESCRIPTION | QTY |
|----------|-------------|-----|
| 20009 | DRIVE AXLE | 1 |



DA 4080 DRIVE SHAFT ASSEMBLY HONDA

| PART NO. | DESCRIPTION | QTY |
|------------|-------------------|-----|
| 20003-5050 | DRIVE SHAFT HONDA | 1 |
| 20005 | BEARING | 2 |
| 20006 | SNAP RING 29 MM | 1 |
| 20004 | SNAP RING 13 MM | 1 |



SECTION 4 PARTS

Magic Screed Parts Assembly cont.

DA 4081 DRIVE SHAFT ASSEMBLY ROBIN

| PART NO. | DESCRIPTION | QTY |
|------------|-------------------|-----|
| 20003-2020 | DRIVE SHAFT ROBIN | 1 |
| 20005 | BEARING | 2 |
| 20006 | SNAP RING 29 MM | 1 |
| 20004 | SNAP RING 13 MM | 1 |



DA 4082 DRIVE SHAFT ASSEMBLY HONDA XTRA VIBO HD 5151 HD4141

| PART NO. | DESCRIPTION | QTY |
|------------|-----------------------------|-----|
| 20003-2020 | DRIVE SHAFT HONDA XTRA VIBO | 1 |
| 20005 | BEARING | 2 |
| 20006 | SNAP RING 29 MM | 1 |
| 20004 | SNAP RING 13 MM | 1 |



DA 4088 STAND ASSEMBLY

| PART NO. | DESCRIPTION | QTY |
|----------|------------------|-----|
| 20013-1 | STAND | 1 |
| 20018 | NYLON NUT 1/4 | 1 |
| 20023 | NYLON WASHER 1/4 | 2 |
| 20017 | BOLT 1/4 | 1 |
| 20014 | STAND RUBBER | 1 |
| 20027 | RIVET | 1 |
| 20035 | STAND BUMPER | 1 |



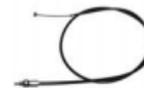
DA 4090 THROTTLE CABLE FOR ADJ. HANDLE

| PART NO. | DESCRIPTION | QTY |
|----------|------------------------------------|-----|
| 20011-HD | THROTTLE CABLE LONG W./ ADJUSTMENT | 1 |



DA 4091 THROTTLE CABLE SHORT

| PART NO. | DESCRIPTION | QTY |
|----------|-------------------------------|-----|
| 20011-HD | THROTTLE CABLE W./ ADJUSTMENT | 1 |



DA 4095 THROTTLE FOR ADJ. CABLE BAG OF 10

| PART NO. | DESCRIPTION | QTY |
|----------|------------------------------------|-----|
| 20011-HD | THROTTLE CABLE LONG W./ ADJUSTMENT | 10 |



DA 4096 THROTTLE CABLE SHORT BAG OF 10

| PART NO. | DESCRIPTION | QTY |
|----------|-------------------------------|-----|
| 20011-HD | THROTTLE CABLE W./ ADJUSTMENT | 10 |



Magic Screed Parts Assembly cont.

SECTION 4 PARTS

DA 4097 ALLEN 6 MM 5 MM

| PART NO. | DESCRIPTION | QTY |
|----------|----------------|-----|
| 10056 | ALLEN 6MM 5 MM | 1 |



DA 4098 TIE RAP FOR 10009-2

| PART NO. | DESCRIPTION | QTY |
|----------|-------------|-----|
| 20040 | TIE RAP | 10 |



DA 4099

| PART NO. | DESCRIPTION | QTY |
|----------|---------------------|-----|
| 20026 | TIE RAP FOR HANDLES | 10 |



DA 4100

| PART NO. | DESCRIPTION | QTY |
|----------|---------------------|-----|
| 50002 | ANTI VIBRATION SEAL | 1 |
| 10024 | NUT 8 MM | 8 |



DA 4101

| PART NO. | DESCRIPTION | QTY |
|----------|------------------|-----|
| 50005 | CAP FOR 8 MM NUT | 8 |



DA 4102 HOUSING WEIGHT ASSEMBLY

| PART NO. | DESCRIPTION | QTY |
|----------|------------------------|-----|
| 10002 | PLASTIC SPACER | 2 |
| 10005 | SEAL | 1 |
| 10008 | GREASE FITTING | 1 |
| 10009-2 | RUBBER COVER | 1 |
| 10017 | BOLT 1/2 NF X 1" 3/4 | 2 |
| 011491 | UT 1/2 NF | 2 |
| 011490 | WASHER 1/2 | 4 |
| 10026 | SHAFT ASSEMBLY | 1 |
| 10027 | COUNTER WEIGHT | 1 |
| 20016 | CIRCLIP 38 MM | 1 |
| 20040 | TIE RAP HOUSING WEIGHT | 1 |
| 50003 | HOUSING WEIGHT | 1 |



SECTION 4 PARTS

Magic Screed Parts Assembly cont.

DA 4103 HOUSING SHAFT ASSEMBLY

| PART NO. | DESCRIPTION | QTY |
|------------|-------------------------|-----|
| 20003-5050 | DRIVE SHAFT FOR HD-5050 | 1 |
| 20004 | CIRCLIP 13 MM | 1 |
| 20005 | BEARING | 2 |
| 20006 | CIRCLIP 29 MM | 1 |
| 50001 | HOUSING SHAFT | 1 |



DA 4103 HOUSING SHAFT ASSEMBLY

| PART NO. | DESCRIPTION | QTY |
|----------|------------------|-----|
| 20007 | BOLT 5/16 | 4 |
| 20008 | LOCK WASHER 5/16 | 4 |



MAGIC SCREED POWER UNITS

- HD 6060 HONDA ENGINE WITH ADJUSTABLE HANDLES ON HEIGHT ONLY
- HD 6161 HONDA ENGINE WITH ADJUSTABLE HANDLES ON HEIGHT ONLY AND EXTRA VIBRO MOUNTS
- HD 7070 HONDA ENGINE WITH ADJUSTABLE HANDLES ON 360°
- HD 7171 HONDA ENGINE WITH ADJUSTABLE HANDLES ON 360° AND EXTRA VIBRO MOUNTS



BLADES

FITS ON ALL POWER UNITS

| FT | M | # |
|-----|------|------|
| 4' | 1.22 | 2050 |
| 6' | 1.80 | 2051 |
| 8' | 2.44 | 2052 |
| 10' | 3.00 | 2053 |
| 12' | 3.66 | 2054 |
| 14' | 4.27 | 2055 |
| 16' | 4.88 | 2056 |



*Other sizes available...

Table of handling information Weight & length of different components and assembly

| BLADES | 2050 | | 2051 | | 2052 | | 2053 | | 2054 | | 2055 | | 2056 | |
|--------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| LENGTH | Feet | Meter |
| | 4 | 1.22 | 6 | 1.80 | 8 | 2.44 | 10 | 3.00 | 12 | 3.66 | 14 | 4.27 | 16 | 4.88 |
| WEIGHT | LB | KG |
| | 6.7 | 3 | 10.1 | 4.6 | 13.4 | 6.1 | 16.8 | 7.63 | 20.2 | 9.16 | 23.5 | 10.68 | 26.9 | 11.77 |

SECTION 4 PARTS

Air Screed Parts

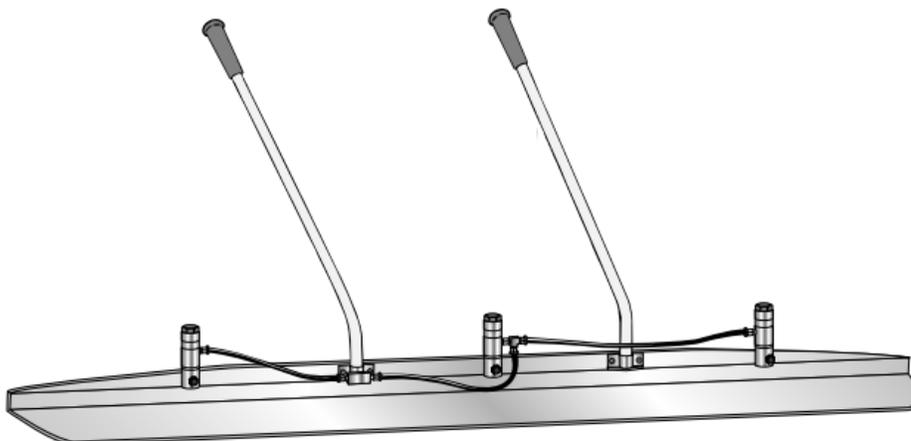
AIR SCREED PARTS

| | |
|-----------|--|
| RR-1015 | VIBRATOR ASSAMBLY |
| RR-1016 | VIBRATOR REDUCING FITTING |
| RR-1018 | HANDLE BOLT & NUT |
| RR-1019 | TEE CONNECTOR FITTING |
| RR-1020 | AIR HANDLE MAIN SECTION |
| RR-1020-1 | AIR HANDLE ASSEMBLY |
| RR-1021 | AIR VAVLE ASSEMBLY |
| 20012 | RUBBER HANDLE (SET OF TWO) |
| RR-1023 | AIR HANDLE EXTENTION 5" |
| RR-1032 | HANDLE L.H. |
| RR-1045 | AIR MANIFOLD ASSEMBLY |
| RR-1070 | 1/4 HOSE FITTING |
| RR-1222 | PNEUMATIC HOSE 3/8 (BY THE FEET) |
| RR-1222-M | PNEUMATIC HOSE 3/8 (BY THE METER) |
| RR-1072 | BOLT 1/2 NF X 2 1/2 (USE 011491 & 011490) |
| RR-1073 | 1/4 PLUG |

AIR POWERED SCREED

| M | FT | # | BLADES | VIBRATOR |
|------|-----|------|--------|----------|
| 1.22 | 4' | R3 | 1011 | 2 |
| 1.80 | 6' | R2-6 | 1009 | 2 |
| 2.44 | 8' | R2 | 1010 | 3 |
| 3.00 | 10' | R4 | 1012 | 4 |
| 3.66 | 12 | R5 | 1013 | 5 |

* Must use a 25 cfm air compressor at 100 psi



We recommend AEC quality replacement parts, available from the AEC Customer Service Department or your nearest AEC Dealer.

Part numbers are subject to change without notice. Part numbers might be different outside of the United States of America. Use part numbers listed in the applicable parts list table when you place your order. If a part number changes, the AEC Customer Service Department or your nearest AEC dealer will have the latest part number for the replacement part.

Remember when you order replacement parts, you will need your model number and serial number. These are the numbers that you have recorded in the UNIT ID section of this manual. Please order replacement parts by the appropriate part number, not the key number.

This manual contains an illustrated parts list 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 4.
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.



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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