



Before using this Mud Hog®, study and understand the entire Owner's Manual.

Serial Number _____



MMH20
20ft³ (0.57 m³)
Mobile Mud Hog®
Mixing Station
Owner's Manual



Mobile Mud Hog®

EZG MANUFACTURING
1-800-417-9272

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TABLE OF CONTENTS

INTRODUCTION.....	3
ABOUT THIS MANUAL.....	3
GENERAL INFORMATION.....	3
SAFETY INFORMATION.....	3
SAFETY PRECAUTIONS.....	4-5
CALIFORNIA PROPOSITION 65 WARNING.....	6
OPERATING INSTRUCTIONS.....	6
OBTAINING SPARE PARTS.....	7
DAILY MAINTENANCE.....	7
CLEANUP.....	7
WARNING LABELS AND LOCATIONS.....	8
FRAME ASSEMBLY.....	9
SHAFT ASSEMBLY.....	10
SHAFT SEAL KIT.....	11
GREASE FITTING LOCATION.....	12
HYDRAULIC ASSEMBLY (Hydraulic Gate).....	13
HYDRAULIC ASSEMBLY (Manual Gate).....	14
WARRANTY.....	15
WARRANTY REGISTRATION.....	16

INTRODUCTION

Congratulations on purchasing one of the finest pieces of masonry equipment on the market today! If this is your first EZG Manufacturing product, you will not be disappointed. If you have previously owned an EZG Manufacturing product, you will find the same high quality and dependability that you have come to expect from EZG Manufacturing.

ABOUT THIS MANUAL





The purpose of this manual is to inform the owner/employer/and the operator, how to safely operate this piece of equipment, and make them aware of any hazards. It also contains important information regarding assembly, set up, operation, and maintenance. It is the Owner/Employer's responsibility to make sure that anyone who operates this machine understands all safety warnings. If you do not understand any items in this manual, please contact the dealer where this product was purchased, or the manufacturer at the number listed throughout this manual. If you have any suggestions about how to make this manual easier to understand, contact the manufacturer. Keep this manual available for reference wherever this piece of equipment is being used and make it available to any operators.

GENERAL INFORMATION

Illustrations in this manual may show details or components that may not be the same as your machine. Continuing improvements to the design of this machine may have caused changes that are not included in this manual. The information in this document is subject to change without notice.

SAFETY INFORMATION

The following safety symbols and signal words will be used throughout this manual and on the product, for your safety and the safety of others, please become familiar with their meaning and heed their warnings.

	This symbol, either used alone or with a signal word, is used to call your attention to instructions involving your safety and/or the safety of others. Failure to follow these instructions will likely result in personal injury or death.
 DANGER	This signal word is used to identify a hazard which, if not avoided, will result in death or serious injury.
 WARNING	This signal word is used to identify a hazard which, if not avoided, could result in death or serious injury.
 CAUTION	This signal word is used to identify a hazard which, if not avoided, could result in minor or moderate injury.
NOTICE	This signal word is used to identify a hazard which, if not avoided, could result in property or equipment damage. It also may be used for special instructions related to performance, maintenance or general items.

SAFETY PRECAUTIONS



DANGER

Failure to obey the following safety instructions will result in DEATH or SERIOUS INJURY.

Locking levers on the skid steer must be properly down and locked to ensure Mobile Mud Hog® does not fall.



WARNING

Failure to obey the following safety instructions could result in DEATH or SERIOUS INJURY.

Read and understand entire manual before operating the Mobile Mud Hog®

For your safety and the safety of others, replace any missing or damaged warning decals by contacting the manufacturer at 1-800-417-9272.

Make sure anyone operating the Mobile Mud Hog® is thoroughly familiar with its operation. Keep all unauthorized and untrained personnel, especially children away from Mobile Mud Hog®.

Never operate machine with safety grate, guards or safety devices removed or open. Do not alter any safety guards.

Stay clear of mixing paddles while machine is running. Keep all body parts, clothing, jewelry and solid objects away from all moving parts.

Never perform any work on the Mobile Mud Hog® while it is running. Before working on or cleaning the Mobile Mud Hog®, shut off skid steer and disconnect hydraulic supply hoses.

Never operate the Mobile Mud Hog® under the influence of alcohol, drugs, or medications.

This Mobile Mud Hog® has been designed and built as a material mixing system, and should not be used for anything other than its intended purpose.

Consult forklift manufacturers specifications to insure load capacity is not exceeded.

Model	Empty Weight	Max Gross Weight
MMH20	1350 lbs. (612 kg)	4350 lbs. (1973 kg)

Do not exceed Maximum Gross Weight

Never stand under an elevated Mobile Mud Hog®.

Stay clear of moving parts while machine is in operation.

SAFETY PRECAUTIONS



WARNINGS (*continued*)

Never attempt to ride the Mobile Mud Hog®.

Avoid breathing dust produced while using the Mobile Mud Hog®. Dust may contain crystalline silica and may cause serious health problems.

Do not operate near combustible materials.

Always know the location of nearest fire extinguishers, first aid kit, and emergency personnel phone numbers in case of emergency.



CAUTION

Failure to obey the following safety instructions could result in MINOR or MODERATE INJURY.

Inspect all hoses, fasteners, bolts and welds for nicks, cracks, cuts, damage, wear or looseness before each use. Repair as needed.

Always wear approved PPE, including glasses, hearing protection, hard hats, and ventilation masks when operating a Mobile Mud Hog®.

Do not use the Mobile Mud Hog® as a lifting device or with accessories or attachments not recommended by EZG Manufacturing, as damage to equipment or operator might result.

Avoid contact with hot hydraulic fluid.

Allow system to cool before performing any repairs or service.

Use proper attachment plate to match skid steer.

Only lift from attachment plate or lifting channels.

NOTICE

Use only factory authorized parts.

Used Lubricants such as engine and hydraulic oil, and hazardous waste must be taken to an authorized disposal or recycling center.

Clean gate thoroughly for best performance.

California - Proposition 65 Warning

Engine exhaust and some of its constituents, and some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects and other reproductive harm. Some examples of these chemicals are:

Lead from lead based paints - Crystalline silica from bricks -Cement and other masonry products -Arsenic and chromium from chemically treated lumber

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: ALWAYS work in a well ventilated area, and work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.

OPERATING INSTRUCTIONS



WARNING

This equipment is to be operated by trained and qualified personnel over the age of 18. Death or serious injury can result.

1. Set Mobile Mud Hog® securely on level and even ground.
2. Attach the Mobile Mud Hog® to your skid steer. Consult skid steer owner's manual for proper hookup.
3. Connect hydraulic hoses from Mobile Mud Hog® to skid steer.
4. Cycle all hydraulic motions to verify the Mobile Mud Hog® is operating correctly and that hoses are the proper length.



WARNING

Binding hoses may impede operation of Mobile Mud Hog® and cause hoses to rupture and release hot hydraulic fluid. Death or serious injury can result.

5. Fill with material, add water and mix to desired consistency.



WARNING

Do not leave operators seat with the Mobile Mud Hog® running. Death or serious injury can result.

NOTE: In the unlikely event that the mixing paddles plug, momentarily reverse the paddles.

6. Transport mix to desired location, Reverse paddle rotation to open gate and dispense mixture.

NOTE: If your model is not equipped with a hydraulic gate, manually open the gate using handle.



WARNING

NEVER put your hands inside mixer drum while equipment is running. Death or serious injury can result.

OBTAINING SPARE PARTS

Spare parts for your Mobile Mud Hog® may be obtained by the following procedure:

1. Record the information from the serial number tag located on the frame near the attachment plate.
2. Using the parts reference table in this manual, record the part number or component.
3. Contact your local Mud Hog® dealer or EZG Manufacturing at 1-800-417-9272 with the information recorded.

DAILY MAINTENANCE



WARNING

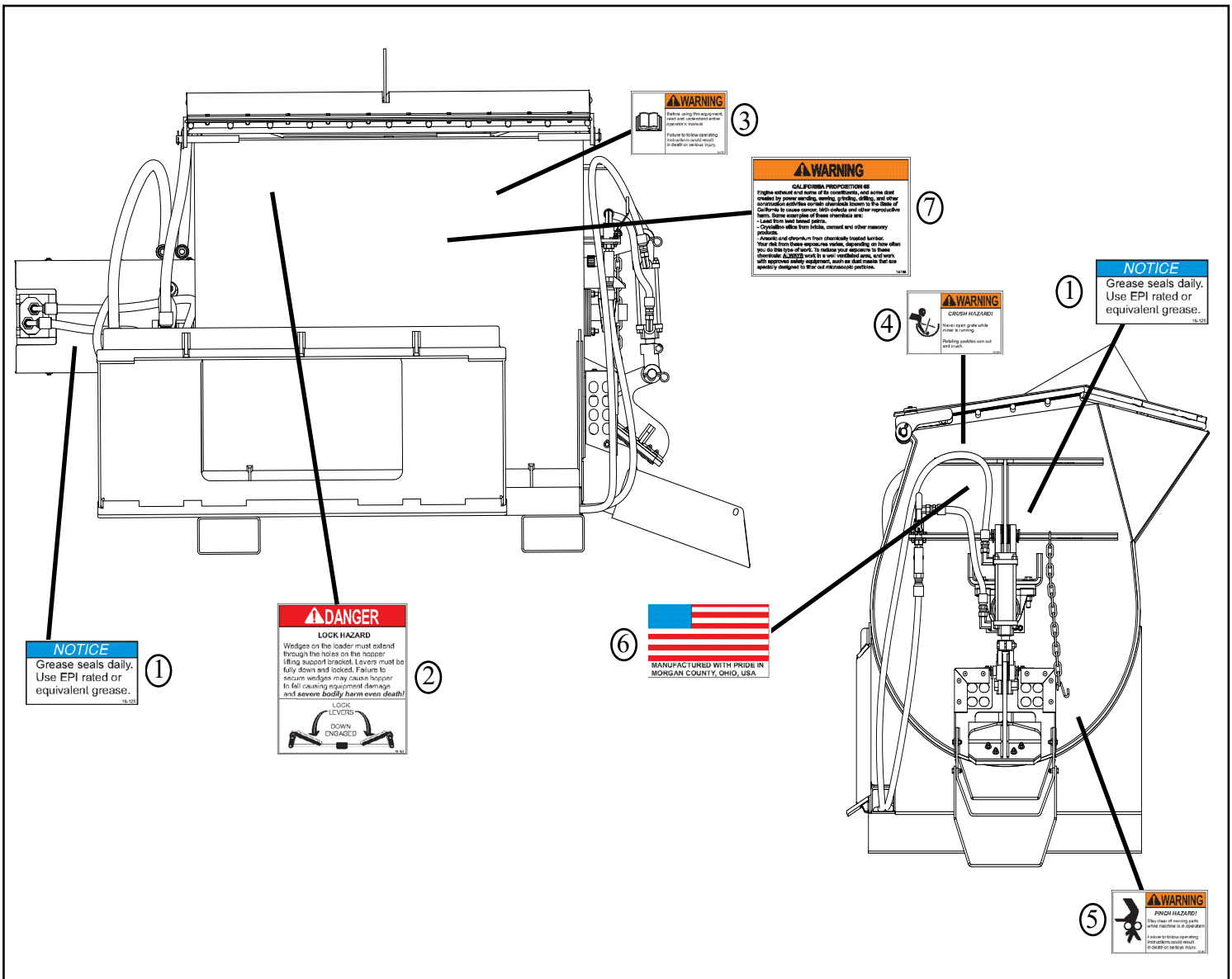
Before performing any described maintenance items, make sure equipment is turned off and hydraulic supply hoses are disconnected. Death or serious injury can result.

1. Check and grease all grease fittings.
(Grease fitting location can be found on the Grease Fitting Location drawing in this manual)
2. For maximum performance, thoroughly clean inside and out at mid-day or lunch break and again at the end of each day's use. Do not allow a buildup of material to form on the blades and seals.
3. Check all hydraulic hoses and equipment for leaks. Fix any leaks before operating the Mobile Mud Hog®.
4. Check all welds and bolts. If a cracked weld is found, do not operate the Mobile Mud Hog® until repaired by qualified personnel. Tighten any loose bolts.
5. Check Paddle Shaft Seal for excessive wear. If any mortar or concrete is leaking past the seal, change the seals immediately.
6. Check paddle rubbers for wear. Adjust or replace as needed.
7. Store properly in a clean dry location.
8. Inspect all hoses and fittings for signs of damage, wear, scrapes, kinks or cracking. Replace hoses if any of these conditions are found. It is recommended to replace all hydraulic hoses every 5 years.

CLEANUP

1. Turn off engine and disconnect hydraulic supply hoses.
2. For maximum performance, thoroughly clean inside and out at mid-day or lunch break and again at the end of each day's use. Do not allow a buildup of materials to form on the blades and seals.
3. Hose out and brush down mixing drum, then spray and brush paddles until all excess material is removed.
4. Grease the fittings and brush the face of drum seals until clean.
5. Remove gate and thoroughly clean weekly.

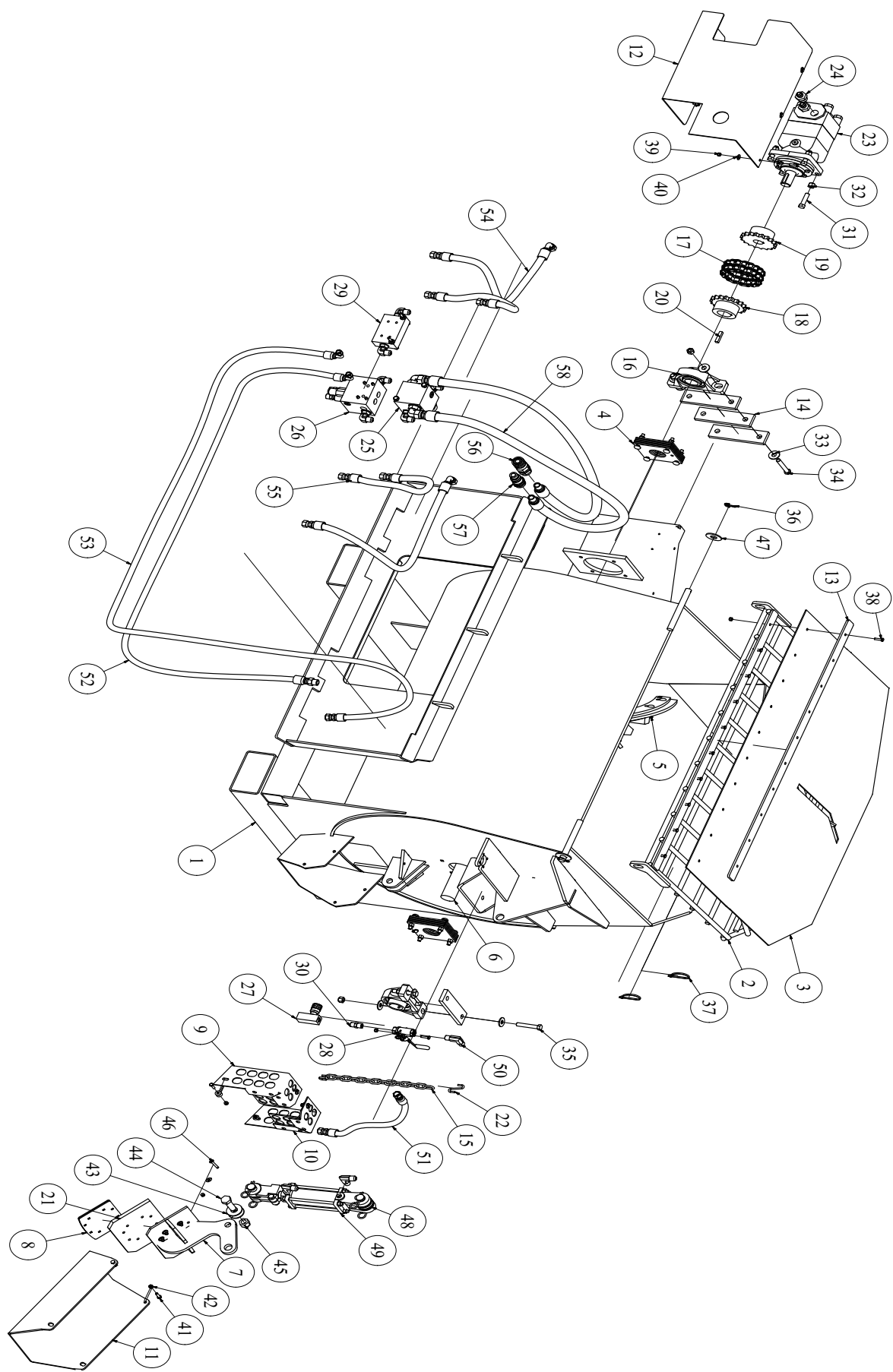
WARNING LABELS AND LOCATIONS



ITEM	PART NUMBER	DESCRIPTION	QUANTITY
1	16-125	Grease Seals Daily Decal	2
2	16-192	Lock Levers Decal	1
3	16-177	Read Owners Manual Decal	1
4	16-159	Never Open Grate Decal	1
5	16-131	Small Pinch Point Decal	1
6	16-106	U.S. Flag Decal	1
7	16-193	Proposition 65 Decal	1

FRAME ASSEMBLY

MMH20 Mobile Mud Hog - Frame Assembly



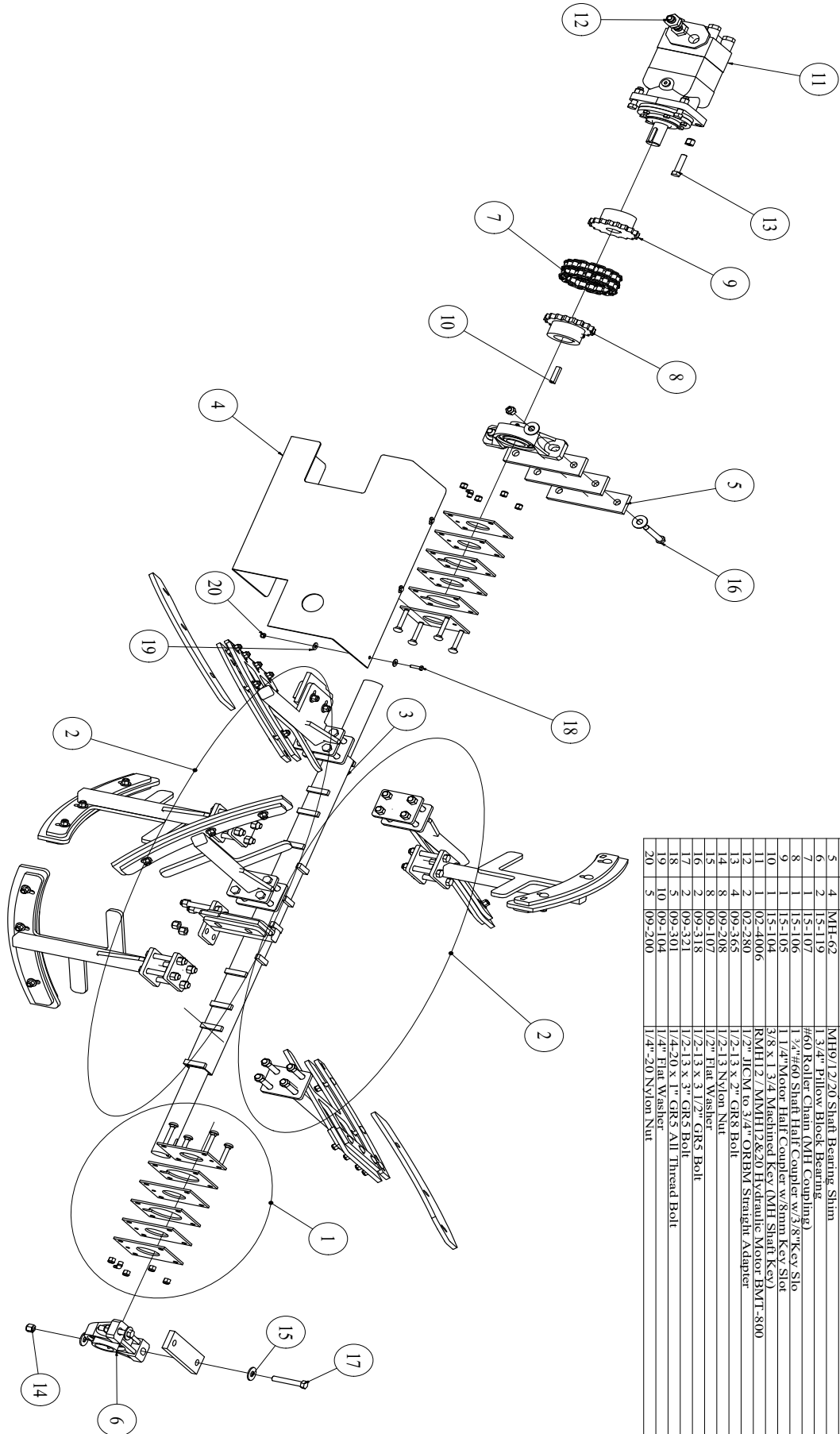
FRAME ASSEMBLY

MMH20 Mobile Mud Hog - Frame Assembly

MMH20 COMPLETE PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	MMH20-A-22	MMH20 - Flap Gate Frame Assembly
2	1	MMH20-A-2	MMH20 - Grating
3	1	MMH20-A-3	MMH20 - Vinyl Grating Cover
4	1	MH-A-38	Mud Hog & EZG12 Paddle Shaft Seal Kit
5	1	MMH20-A-10	MMH20 - Paddle Kit(Everything but shaft)
6	1	MH-A-59	MH20 Paddle Shaft Assembly
7	1	MMH12-A-23	MMH12/MMH20 - Flap Gate Welded Assembly
8	1	MMH12-A-24	MMH12/MMH20-Gate Inner Plate Welded Assy
9	1	MMH12-A-25	MMH12/MMH20-Flap Gate Guard Assembly L
10	1	MMH12-A-26	MMH12/MMH20-Flap Gate Guard Assembly R
11	1	MMH12-15	MMH12/20-16" Exten. For Discharge Chute
12	1	MMH12-31	MMH12 Hydraulic Motor Guard
13	1	MMH20-13-P	MMH20-Vinyl Cover Mount Bar Painted
14	4	MH-62	MH9/12/20 Shaft Bearing Shim
15	1	20-111	3/16" Plated Proof Coil Chain
16	2	15-119	1 3/4" Pillow Block Bearing
17	1	15-107	#60 Roller Chain (MH Coupling)
18	1	15-106	1 3/4"#60 Shaft Half Coupler w/3/8"Key Slo
19	1	15-105	1 1/4"Motor Half Coupler w/8mm Key Slot
20	1	15-104	3/8 x 1 3/4 Machined Key (MH Shaft Key)
21	1	MMH12-A-35	MMH12/20-Flap Gate Seal Kit (With Bolts)
22	2	09-807	3/16" S-Hook
23	1	02-4006	RMH12 / MMH12&20 Hydraulic Motor BMT-800
24	2	02-280	1/2" JICM to 3/4" ORBM Straight Adapter
25	1	02-643	MMH Priority Flow Valve w/ Fittings
26	1	02-610	Grout Hog Sequence Valve Assembly
27	1	02-613	MMH Flow Control Valve
28	1	02-614	MMH 3/8" Female High Pressure Ball Valve
29	1	02-655	MMH-Port Adaptor Manifold
30	1	02-236	3/8" Male Pipe to Male Pipe Hex Nipple
31	4	09-365	1/2-13 x 2" GR8 Bolt
32	8	09-208	1/2"-13 Nylon Nut
33	8	09-107	1/2" Flat Washer
34	2	09-318	1/2-13 x 3 1/2" GR5 Bolt
35	2	09-321	1/2-13 x 3" GR5 Bolt
36	2	09-337	3/16 x 1 1/2" Cotter Pins
37	2	03-105	8" Wire Ties
38	19	09-301	1/4-20 x 1" GR5 All Thread Bolt
39	27	09-200	1/4"-20 Nylon Nut
40	26	09-104	1/4" Flat Washer
41	2	09-342	5/16-18 x 1" GR5 Bolt
42	2	09-202	5/16"-18 Nylon Nut
43	2	09-128	3/4" GR8 Flat Washer
44	1	09-333	3/4-10 x 2 1/2" GR8 Bolt
45	1	09-236	3/4" Nylon Nut
46	8	09-3040	1/4-20 x 1 1/2" GR5 Carraige Bolt
47	2	09-111	3/4" Flat Washer
48	5	09-118	1" SAE Flat Washer
49	1	02-708	Hydraulic Cylinder 2" Bore x 4" Stroke
50	3	02-250	1/2" JICM x 3/8" NPTM 90° Adapter
51	1	MMH20-A-25	MMH20 - Hyd. Hose Assembly (BV to Cyl.)
52	1	MMH20-A-23	MMH20 Hyd. Hose Assembly (SV to FCV)
53	1	MMH20-A-24	MMH20 - Hyd. Hose Assembly (SV to Cyl.)
54	2	MMH20-A-8	MMH20 - Hyd. Hose Assembly (V to M)
55	2	MMH20-A-9	MMH20 - Hyd. Hose Assembly (PFV to SV)
56	1	02-221	1/2" Female Disconnect
57	1	02-222	1/2" Male Disconnect
58	2	MMH-A-1	MMH Hose Assembly #1 (Supply)

SHAFT ASSEMBLY

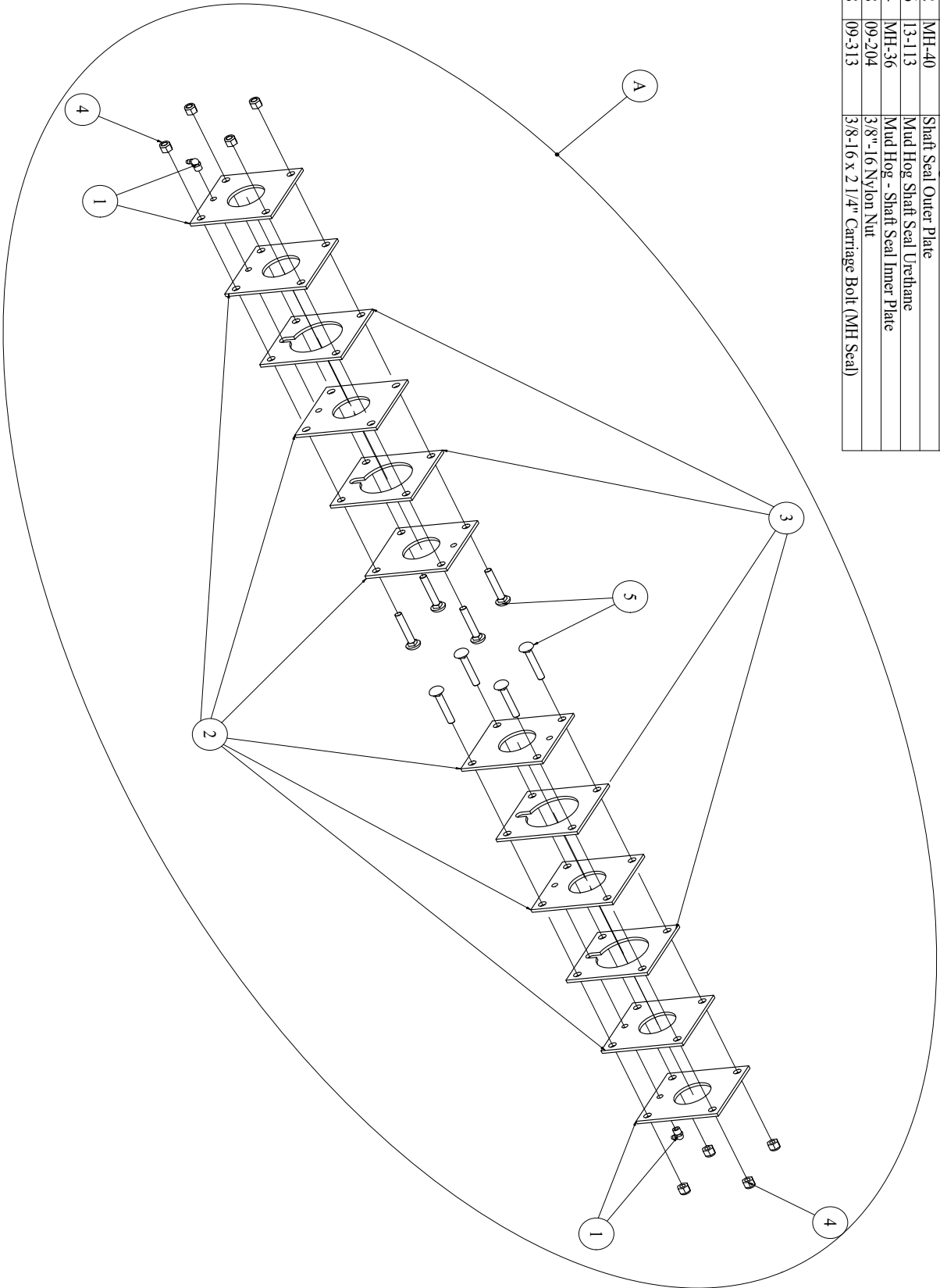
MMH20 Mobile Mud Hog - Shaft Assembly



MMH20 SHAFT ASSEMBLY PARTS LIST		
ITEM QTY	PART NUMBER	DESCRIPTION
1	MH-A-38-A	MH Paddle Shaft Seal Kit-Equipment BOMs
2	MMH20-A-10	MMH20-Paddle Kit (Everything but shaft)
3	MH-A-59	MMH20-Paddle Shaft Assembly
4	MMH20-2-31	MMH20-2-31 Motor
5	MH-C2	MMH20-2-31 Motor Shim
6	MH-C2	MMH20-2-31 Motor Shim
7	15-107	#60 Roller Chain (MH Coupling)
8	15-106	1 1/4" Motor Half Coupler w/3/8" Key Slot
9	15-105	1 1/4" Motor Half Coupler w/3/8" Key Slot
10	15-104	1 1/4" Motor Half Coupler w/3/8" Key Slot
11	02-4006	RMH12 / MMH12&20 Hydraulic Motor BMT-800
12	02-280	1 1/2" JIC M to 3/4" ORBM Straight Adapter
13	09-365	1 1/2-13 x 2" GR8 Bolt
14	09-208	1 1/2-13 Nylon Nut
15	09-107	1 1/2-13 x 3 1/2" GR5 Bolt
16	09-318	1 1/2-13 x 3 1/2" GR5 Bolt
17	09-321	1 1/2-13 x 3 1/2" GR5 Bolt
18	09-301	1/4-20 x 1" GR5 All Thread Bolt
19	09-104	1/4" Flat Washer
20	09-200	1/4"-20 Nylon Nut

SHAFT SEAL KIT

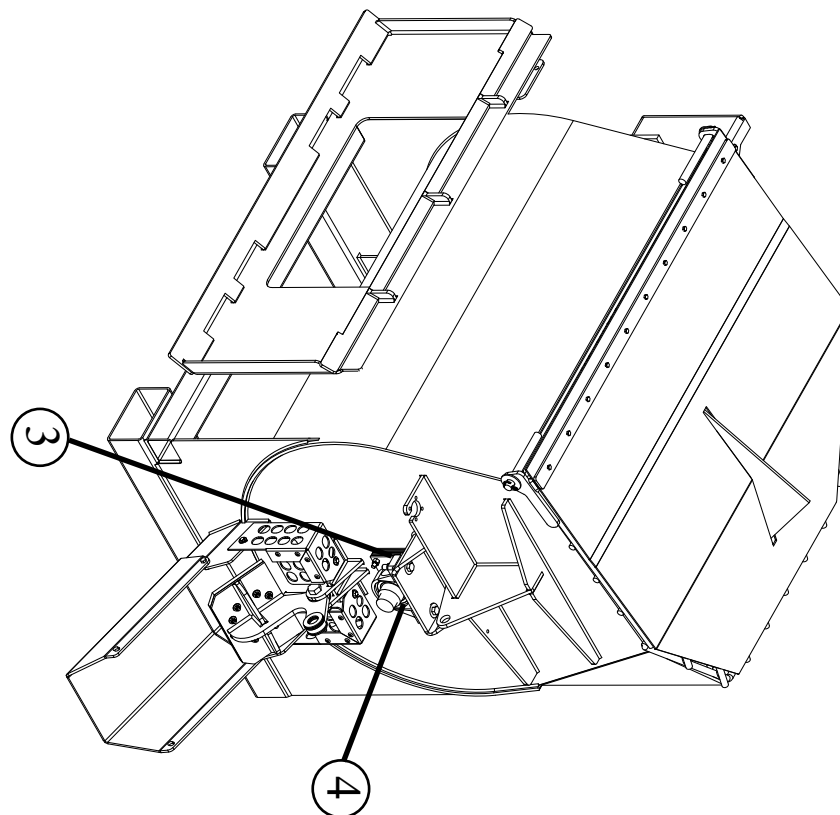
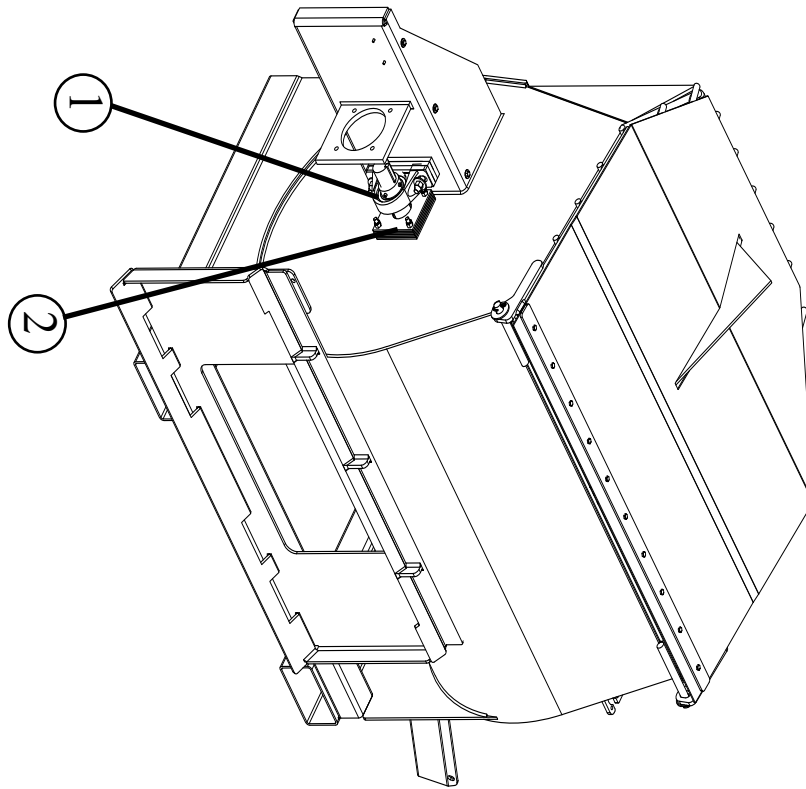
PARTS LIST		
ITEM	QTY	PART NUMBER DESCRIPTION
A	1	MH-A-38 Mud Hog & EZG12 Paddle Shaft Seal Kit
1	2	MH-40 Shaft Seal Outer Plate
2	6	13-113 Mud Hog Shaft Seal Urethane
3	4	MH-36 Mud Hog - Shaft Seal Inner Plate
4	8	09-204 3/8"-16 Nylon Nut
5	8	09-313 3/8-16 x 2 1/4" Carriage Bolt (MH Seal)



MMH20 Mobile Mud Hog - Shaft Seal Kit

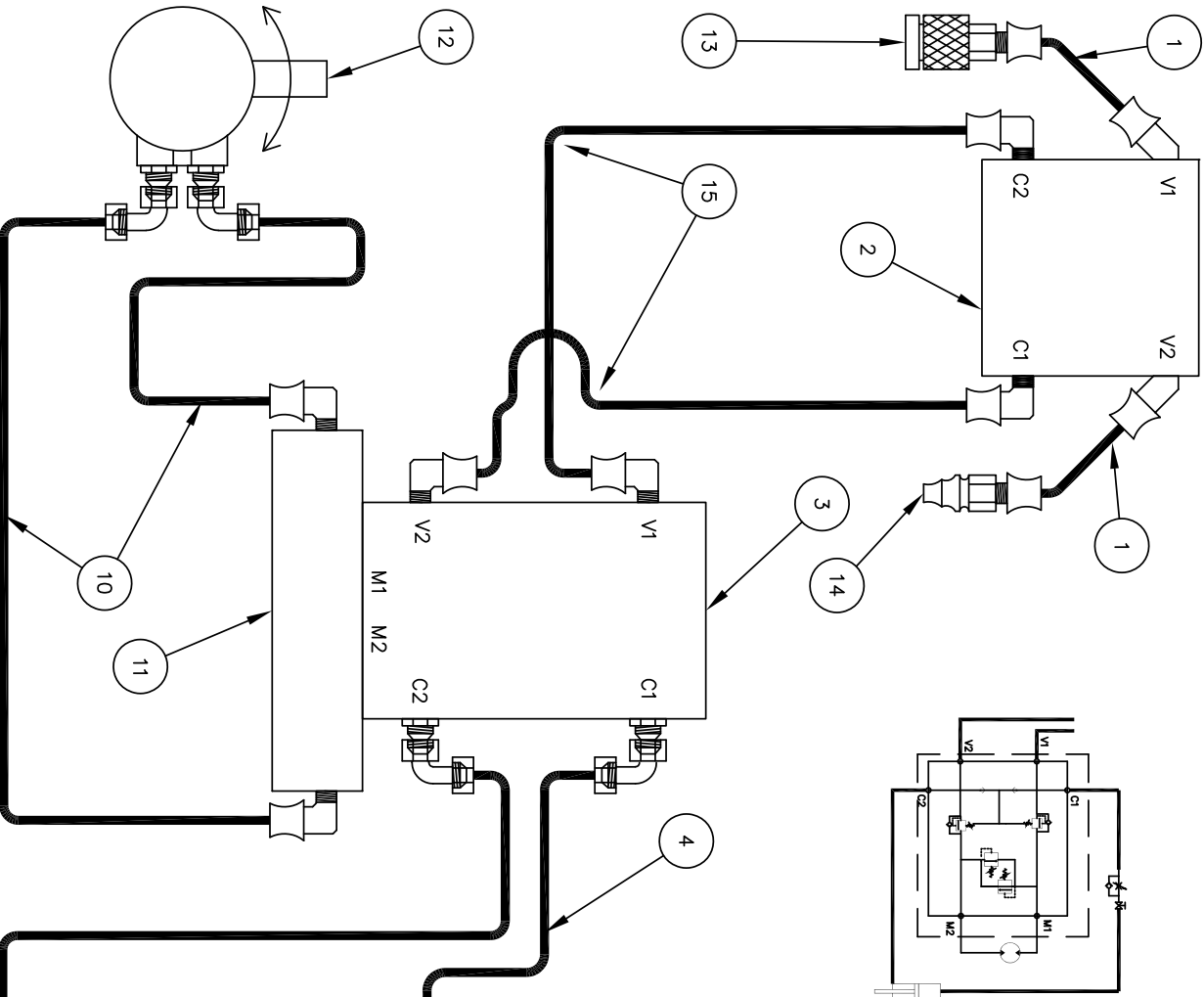
GREASE FITTING LOCATION

**Check ALL grease fitting locations DAILY.
Grease as needed.**



**MMH20 Mobile Mud Hog®
Grease Fitting Locations**

HYDRAULIC ASSEMBLY (HYDRAULIC GATE)

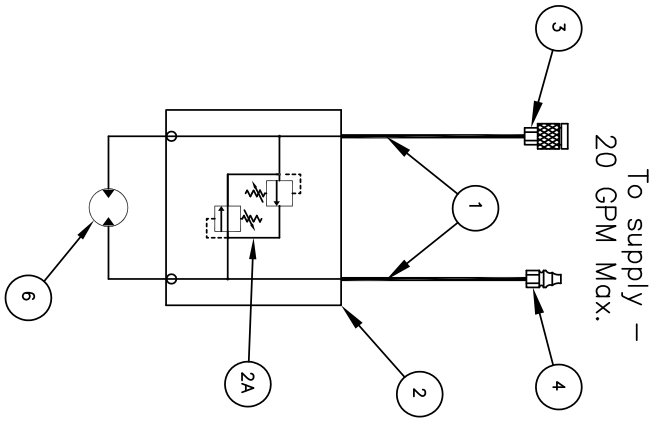
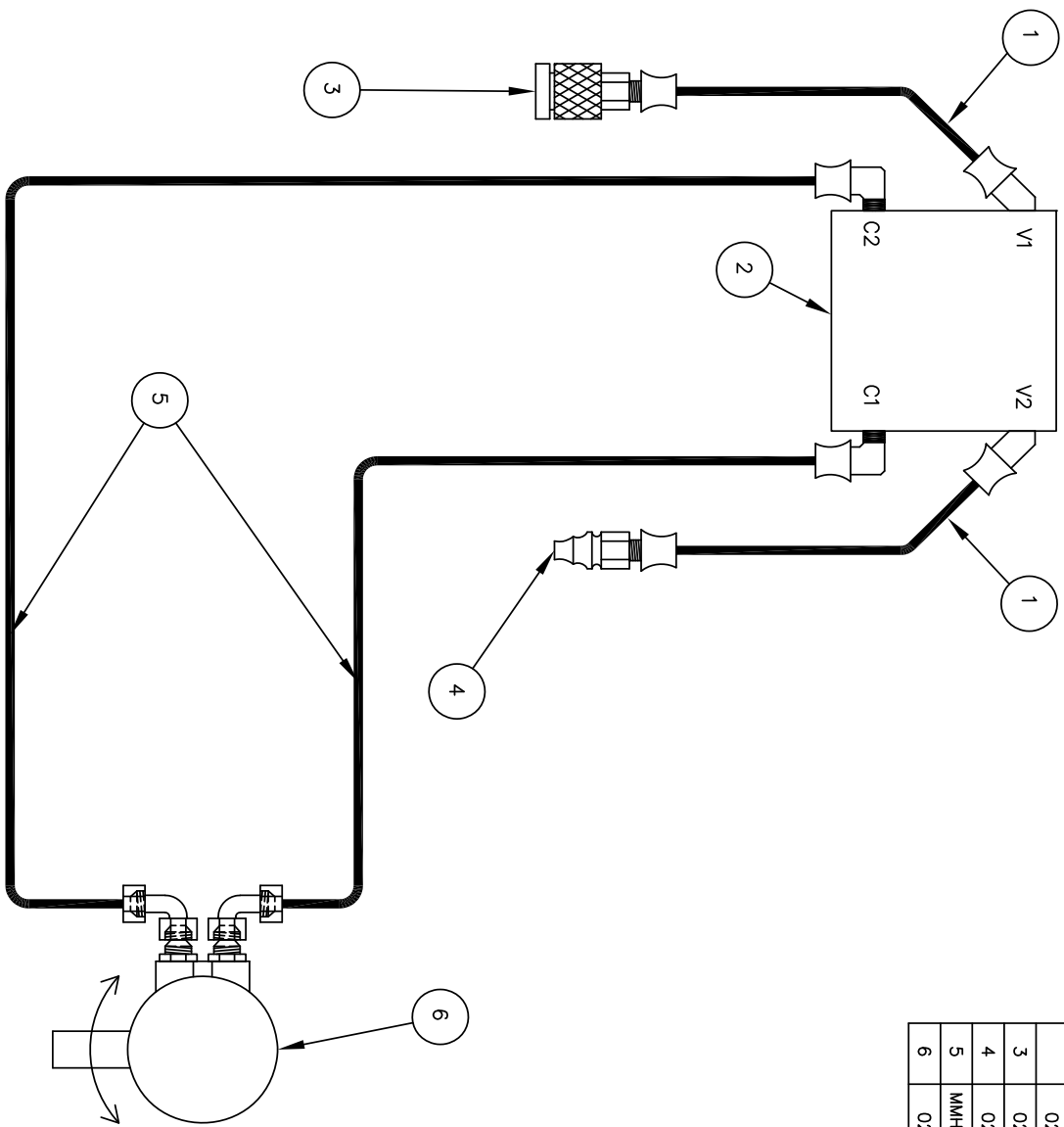


ITEM	PART	QTY	DESCRIPTION
1	MMH-A-1	2	MMH Hose Assembly #1 (Supply)
2	02-643	1	MMH Priority Flow Valve w/ Fittings
2a	02-647	2	Flow Regulator Cartridge (MMH)
2b	02-648	2	Check Cartridge (MMH)
3	02-610	1	Grout Hog Sequence Valve Assembly
3a	02-645	2	Hydroforce Sequence Cartridge
3b	02-634	1	Detroit Bi-Directional Relief
4	MMH20-A-24	1	MMH20 - Hyd. Hose Assembly (SV to Cy.)
5	02-613	1	MMH Flow Control Valve
6	02-614	1	MMH 3/8" Female High Pressure Ball Valve
7	MMH20-A-25	1	MMH20 - Hyd. Hose Assembly (BV to Cy.)
8	02-708	1	Hydraulic Cylinder 2" Bore x 4" Stroke (FH)
9	MMH20-A-23	1	MMH20 Hyd. Hose Assembly (SV to FCV)
10	MMH20-A-8	2	MMH20 - Hyd. Hose Assembly (V to M)
11	02-655	1	MMH - Port Adapter Manifold
12	02-4006	1	RMH12 / MMH12&20 Hydraulic Motor BMT-800
13	02-221	1	1/2" Female Disconnect
14	02-222	1	1/2" Male Disconnect
15	MMH20-A-9	2	MMH20 - Hyd. Hose Assembly (PFV to SV)

MMH20 Mobile Mud Hog - Hydraulics
[Hydraulic Gate Model Only]

HYDRAULIC ASSEMBLY (MANUAL GATE)

ITEM	PART	QTY	DESCRIPTION
1	MMH-A-1	2	MMH Hose Assembly, Supply, 73" OAL, NPTM/JICF
2	02-659	1	Hydraulic Relief Manifold
	02-634	1	Bidirectional Relief Cartridge
3	02-221	1	Female Hydraulic Coupler
4	02-222	1	Male Hydraulic Coupler
5	MMH12-A-10	2	MMH12 Hose Assy, V to M 33" OAL, 90°JICF/JICF
6	02-427	1	Hydraulic Motor



MMH20 Mobile Mud Hog® - Hydraulics
[Manual Gate Model Only]

WARRANTY

Limited Warranty

The manufacturer warrants that products manufactured shall be free from defects in material and workmanship that develop under normal use for a period of one year on all products from the date of shipment. The foregoing shall be the exclusive remedy of the buyer and the exclusive liability of the manufacturer. Our warranty excludes normal replaceable wear items, i.e. gaskets, wear parts, seals, O-rings, belts, drive chains, clutches, etc. Any equipment, part or product which is furnished by the manufacturer but manufactured by another, bears only the warranty given by such other manufacturer. (Manufacturer agrees to furnish free of charge a written description of problem or cause.) Warranty is voided by product abuse, alterations, use of equipment in applications for which it was not intended, use of non-manufacturer parts, or failure to follow documented service instructions. The foregoing warranty is exclusive of all other warranties whether written or oral, expressed or implied. No warranty of merchantability or fitness for a particular purpose shall apply. The agents, dealers, and employees of Manufacturer are not authorized to make modifications to this warranty, or additional warranties binding on the Manufacturer. Therefore, additional statements, whether oral or written, do not constitute warranty and should not be relied upon.

The Manufacturer's sole responsibility for any breach of the foregoing warranty provisions, with respect to any product or part not conforming to the Warranty or the description herein contained, is at its option (a) to repair, replace, or refund such product or parts upon the prepaid return thereof to location designated specifically by the Manufacturer. Product returns not shipped prepaid will be refused (b) as an alternative to the foregoing modes of settlement - the Manufacturer's dealer may repair defective units with reimbursement for expenses. A written description of problem or cause must accompany all warranty claims.

Except as set forth here in above and without limitation of the above, there are no warranties or other affirmation which extend beyond the description of the products on the fact here of, or as to operational efficiency, product reliability, or maintainability or compatibility with products furnished by others. In no event, whether as a result of breach of contract or warranty or alleged negligence, shall the Manufacturer, be liable for special or consequential damages including but not limited to: Loss of profits or revenue, loss of use of the product or any associated product, cost of capital, cost of substitute products, facilities or services or claims of customers. Manufacturer does not assume responsibility for any accident due to equipment modification.

No claim will be allowed for products lost or damaged in transit. Such claims should be filed with the carrier within fifteen days.

Effective July 20, 2005

EZG Manufacturing is the exclusive manufacturer of the patented Grout Hog® Grout Delivery System the Mud Hog® Hydraulic Mixing Station, the Hog Trough® mud pan, the Hog Cart™, the Hog Slopper™, the Booger Hog® Wall Scrubber, the Hog Leg® Wall Brace System, and the Hog Crusher™ Material Recycling System.

WARRANTY REGISTRATION

Contact:

Company:

Address:

City:

State:

Zip:

Tel:

Fax:

Cell:

Email:

Purchased From:

Direct

Distributor:

Purchase Date:

Serial No.

**Fax Warranty Registration form to 740.962.2037
or submit online at www.ezgmfg.com by clicking
on “Products” then “Warranty Cards”.**

PLEASE COMPLETE THIS WARRANTY CARD, AND RETURN
VIA MAIL, FAX, OR E-MAIL, WITHIN 30 DAYS OF PURCHASE
TO VALIDATE YOUR MANUFACTURER’S WARRANTY
FOR ALL EZG MANUFACTURING PRODUCTS.
WARRANTY PROVISIONS OF THIS MACHINE ARE HANDLED
DIRECTLY THROUGH THE MANUFACTURER.

EZG MANUFACTURING * 1833 North Riverview Road, Malta, OH 43758
PHONE 1-800-417-9272 * Email: warranty@ezgmfg.com * FAX 740-962-2037

EZ SURVEY

Please take a minute to fill out the survey below so that we can better serve our customers.

1. Where did you first hear about EZG Manufacturing?
(check one)

Masonry Magazine

Website

Newsletter

Masonry Construction

Referral

Other:

2. What influenced you to buy?

Quality

Price

Easy to use

Other

3. Who is your sales representative?

4. Are you satisfied with the customer service you received?

Yes

No

Explain:

5. What other EZG Manufacturing products do you own?

6. Would you like to be featured in our newsletter?

Yes

No

If yes, where can we reach you and what is the best time?

Comments: