TIBBAN MFG INC.
Home of the MudPuppy

Product Catalog Current as of 2014
THANK YOU FOR YOUR INTEREST IN THE MUDPUPPY

**MP170-2SC**
Will pick up and clean up to 350 GPM of drill mud.
Tibban 600 gallon Patented Mud Tank.
Shaker Double Screen 3’ x 5’ 10 mesh bottom with 100 mesh on top.
2 - 5” Desander cone system. Uses a 2” x 3” size 1-1/8” mud pump set at 30 PSI.
10” Tibban Patented Cast Iron Sand Guzzler pick up pump.
74 HP Duetz Diesel Engine.
Complete Hydraulic System.

**MP170-HDD**
Will pick up and clean up to 350 GPM of drill mud.
Tibban 600 gallon Patented Mud Tank.
Shaker Double Screen 3’ x 5’ 10 mesh bottom with 100 mesh on top.
2 - 5” Desander cone system. Uses a 2” x 3” size 1-1/8” mud pump set at 30 PSI.
Additional 2”x3” 118 Pump 200gpm @ 30 psi w/ 2” Discharge Manifold, Sample Port & 0-100 psi gauge.
(Flange to 90 to 2” Companion Flange w/Valve)
10” Tibban Patented Cast Iron Sand Guzzler pick up pump.
74 HP Duetz Diesel Engine.
Complete Hydraulic System.
Bolt on Trailer

**MP255-2SC**
Will pick up and clean up to 500 GPM of drill mud.
Tibban 1000 gallon Patented Mud Tank.
Shaker Double Screen 4’ x 5’ 10 mesh bottom with 100 mesh on top.
3 - 5” Desander cone system. Uses a 2” x 3” size 1-1/8” mud pump set at 30 PSI.
12” Tibban Patented Cast Iron Sand Guzzler pick up pump.
74 HP Duetz Diesel Engine.
Complete Hydraulic System.

**MP255-100**
Will pick up and clean up to 500 GPM of drill mud.
Tibban 1000 gallon Patented Mud Tank.
Shaker Double Screen 4’ x 5’ 10 mesh bottom with 100 mesh on top.
3 - 5” Desander cone system. Uses a 2” x 3” size 1-1/8” mud pump set at 30 PSI.
12” Tibban Patented Cast Iron Sand Guzzler pick up pump.
Complete Hydraulic System.
100 Horse power Centrifugal Mud Pump 3” x 4” x 13” - 200 PSI @ 500 gpm.
254 HP TCD2013L06 Deutz Diesel 6 Cylinder Engine.

**MP255-400**
Will pick up and clean up to 500 GPM of drill mud.
Tibban 1000 gallon Patented Mud Tank.
Shaker Double Screen 4’ x 5’ 10 mesh bottom with 100 mesh on top.
3 - 5” Desander cone system. Uses a 2” x 3” size 1-1/8” mud pump set at 30 PSI.
12” Tibban Patented Cast Iron Sand Guzzler pick up pump.
Complete Hydraulic System.
150 Horse power Centerline Triplex Pump 3” x 4” x 13” - 300 PSI @ 450 gpm.
254 HP TCD2013L06 Deutz Diesel 6 Cylinder Engine.

The MudPuppy was designed to remove rocks and sand from drill mud making the mud cleaner for drilling. With clean mud the problems of wear and tear on the mud pump, drill string and other parts are reduced dramatically. Water needed to drill the hole is reduced and the job stays cleaner. There are No Settling Pits to dig and the Mud Pan is eliminated. The entire system is quick and easy to set up ready to drill. The MudPuppy saves lots of time and money.

The complete line of MudPuppies has been designed, Engineered, built and tested by professionals. They are compact, lightweight, and self contained.
All MudPuppies include a Tibban patented Sand Guzzler pick up pump, shaker, desander cone system, complete hydraulic drive and deutz diesel power. They are all skid mounted and powder coated white and red. There is never a need to shovel sand from the Tibban patented Mud tank.

Take time to see the brochures, photos and videos at mudpuppyinfo.com. Please call anytime if there are any questions.
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MudPuppy 170-2SC

Pick Up & Clean
350 GPM

Saves Money

Fast Easy Setup

The MudPuppy sets up in just a few minutes. No settling pit to dig and fill. Only 600 gallons of water needed to get started.

Clean mud means a clean hole.
The job site will be clean and dry.
Pump, Drill String, and Swivel all last longer with clean mud.
Mix only the amount of mud needed to drill the hole.

Mud reservoir “Patented”
600 Gallons Usable
3/16” HR Steel
(2) - 4” Suction Outlets
Sloped Walls & Sand Traps

Never Shovel Sand from this Tank!

Duetz Diesel 75 HP
TD2011L04i
Air-Cooled 4 cylinder in-line engine
Fulfills Tier IV EPA emissions regulations
Engine Monitor System (Safety Shutdown) Gauge Panel
Alternator 12 Volt

Sand Guzzler pickup pump (Patented)
10” (Centrifugal) Mud Pump
Can Run Dry Without Damage
Can take rocks up to 1-1/2” in diameter
Pump 0-3000 RPM
0-350 GPM
20’ of 3” Hose

Total Weight
3,900 pounds
Foot Print 5’6” wide x 11’ long x 6’6” tall

Fuel Capacity
25 Gallons Diesel approximately
20 Hours “Run time may vary.”

Desander System
2”x3”x8.5”x118 (Centrifugal) Mud Pump
With mechanical or packed seal.
Desander Manifold Pressure Gauge
2-5” Desander Cones
170 GPM
15 Micron Cut

Hydraulic Systems
Variable Displacement Pump
Load Sense Control
55 Gallon Oil Reservoir
MudPuppy 170-HDD

Pick Up & Clean
350 GPM

Saves Money

Fast Easy Setup

The MudPuppy sets up in just a few minutes. No settling pit to dig and fill. Only 600 gallons of water needed to get started.

Clean mud means a clean hole.
The job site will be Clean and Dry.
Pump, Drill String, and Swivel all last longer with clean mud.
Mix only the amount of mud needed to drill the hole.

Shaker
3’x5’ Double Screen Bottom 10 Mesh Top 100 Mesh
Hydraulic Driven w/constant speed control, Rotary Motion.

Mix Hopper
Vacuum Jet Venturi mud mix system.

Trailer
Bolt on Trail Kit
Dual Axle
Capacity: 7,000 lbs

Mud reservoir “Patented”
600 Gallons Usable
3/16” HR Steel
(2) - 4” Suction Outlets
Sloped Walls & Sand Traps

Never Shovel Sand from this Tank!

Sand Guzzler pickup pump (Patented)
10” (Centrifugal) Mud Pump Can Run Dry Without Damage
Can take rocks up to 1-1/2” in diameter
Pump 0-3000 RPM
0-350 GPM
40’ of 3” Hose

Total Weight with Trailer
5,300 pounds
Foot Print 7’6” wide x 15’6” long x 8’ tall

Fuel Capacity
25 Gallons Diesel approximately
20 Hours “Run time may vary.”

Desander System
2”x3”x8.5”x118 (Centrifugal) Mud Pump
With mechanical or packed seal.
Desander Manifold Pressure Gauge
2-5” Desander Cones
170 GPM
15 Micron Cut

Hydraulic Systems
Variable Displacement Pump
Load Sense Control
55 Gallon Oil Reservoir

Duetz Diesel 75 HP
TD2011L.04i
Air-Cooled 4 cylinder in-line engine
Fulfills Tier IV EPA emissions regulations
Engine Monitor System (Safety ShUTDOWN) Gauge Panel
Alternator 12 Volt

Tibban.com sales@tibban.com
MudPuppy
255-2SC

Pick Up & Clean
500GPM

Saves Money

Fast Easy Setup

The MudPuppy sets up in just a few minutes. No Settling pit to dig and fill. Only 1000 gallons of water needed to get started.

Clean mud means a clean hole.
The job site will be Clean and Dry.
Pump, Drill String, and Swivel all last longer with clean mud.

Mix only the amount of mud needed to drill the hole.

Mud reservoir “Patented”
1000 Gallons Usable
3/16” HR Steel
(2) - 4” Suction Outlets
Sloped Walls & Sand Traps

Never Shovel Sand from this Tank!

Duetz Diesel 74 HP
TD2011L04i
Air-Cooled 4 cylinder in-line engine
Fulfills TierIV EPA emissions regulations
Engine Monitor System (Safety Shutdown) Gauge Panel
Alternator 12 Volt

Sand Guzzler pickup pump (Patented)
12” (Centrifugal) Mud Pump
Can Run Dry Without Damage
Can take rocks up to 1-1/2” in diameter
Pump 0-3000 RPM
0-500 GPM
20’ of 4” Hose

Total Weight
7,000 pounds
Foot Print 6’6” wide x 14’ long x 7’6” tall

Fuel Capacity
25 Gallons Diesel approximately
20 Hours “Run time may vary.”

Desander System
2”x3”x8.5”x118 (Centrifugal) Mud Pump
With mechanical or packed seal.
Desander Manifold Pressure Gauge
3-5” Desander Cones
255 GPM
15 Micron Minimum Cut

Hydraulic Systems
Closed Center
Variable Displacement Pump
Load Sense Control
55 Gallon Oil Reservoir
High Capacity Cooling System

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MudPuppy
255-100
w/Mud Pump

Pick Up & Clean
top to 500 GPM
Great for HDD Drillers

Fast Easy Setup
On Skids

The MudPuppy sets up in just a few minutes. No Settling pit to dig and fill. Only 1000 gallons of water needed to get started.

Saves Money
Clean mud means a clean hole and job site. No large pit needed.

Easily switch from Air to Mud.

Pump, Drill string, and Swivel all last longer with clean mud.

Mix only the amount of mud needed to drill the hole.

Mud reservoir “Patented”
1000 Gallons Usable
3/16” HR Steel
(2) 4” Suction Outlets
Sloped Walls & Sand Traps

Never Shovel Sand from this Tank!

Duetz Diesel 254 HP TCD2013L062V
Liquid-Cooled
6 cylinder in-line engine
Fulfils TierIII EPA emissions regulations
Engine Monitor System (Safety Shutdown) Gauge Panel
Alternator 12 Volt

Sand Guzzler pickup pump (Patented)
15” (Centrifugal) Mud Pump
Can Run Dry Without Damage
Can take rocks up to 1-1/2” in diameter
Pump 0-2500 RPM
0-500 GPM
20’ of 4” Hose

Total Weight
9,500 pounds
Foot Print 6’6” wide x 16’ long x 8’3” tall

Fuel Capacity
35 Gallons Diesel approximately
15 Hours “Run time may vary.”

Desander System
2”x3”x8.5”x118 (Centrifugal) Mud Pump
With mechanical or packed seal.
Desander Manifold Pressure Gauge
3.5” Desander Cones
555 GPM
15 Micron Cut

Hydraulic Systems
Closed Center
Variable Displacement Pump
Load Sense Control
60 Gallon Oil Reservoir

Shaker
4’x5’ Double Screen Bottom 10 Mesh Top 100 Mesh Hydraulic Driven
w/constant speed control, Rotary Motion.
1/4” HR Steel wall construction

Mix Hopper
Vacuum Jet Venturi mud mix system.

Mud Pump for Down Hole Circulation
4”x3”x13 Centrifugal 250 Series w/Mechanical Seal
**MudPuppy 255-400 w/MudPump**

**Pick Up & Clean 500 GPM**

**Fast Easy Setup with Forklift Frame**

The MudPuppy sets up in just a few minutes. No Settling pit to dig and fill. Only 1000 gallons of water needed to get started.

**Saves Money**

Clean mud means a clean hole and job site. No large pit needed.

**Easily switch from Air to Mud.**

**Pump, Drill string, and Swivel all last longer with clean mud.**

Mix only the amount of mud needed to drill the hole.

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**Mud reservoir “Patented”**

- 1000 Gallons Usable
- 3/16” HR Steel
- 4” Suction Outlets
- Sloped Walls & Sand Traps

**Never Shovel Sand from this Tank!**

**Duetz Diesel 254 HP  TCD2013L062V**

- Liquid-Cooled
- 6 cylinder in-line engine
- Fulfills TierIII EPA emissions regulations
- Engine Monitor System (Safety Shutdown) Gauge Panel
- Alternator 14 Volt

**Shaker**

- 4’x5’ Double Screen Bottom 10 Mesh Top 100 Mesh Hydraulic Driven w/constant speed control, Rotary Motion.
- 1/4” HR Steel wall construction

**Mix Hopper**

- Vacuum Jet Venturi mud mix system.
- Mud Pump for Down Hole Circulation Centerline Tri Plex Pump
- 450 GPM @ 350 PSI @ 40 Strokes/Minutes

**Sand Guzzler pickup pump (Patented)**

- 15” (Centrifugal) Mud Pump
- Can Run Dry Without Damage
- Can take rocks up to 1-1/2” in diameter
- Pump 0-2500 RPM
- 0-500 GPM
- 20’ of 4” Hose

**Total Weight**

- 12,000 pounds
- Foot Print 6’6” wide x 22’ long x 8’3” tall

**Fuel Capacity**

- 35 Gallons Diesel approximately
- 10 Hours “Run time may vary.”

**Desander System**

- 2”x3”x8.5”x118 (Centrifugal) Mud Pump
- With mechanical or packed seal.
- Desander Manifold Pressure Gauge
- 3-5” Desander Cones
- 255 GPM
- 15 Micron Minimum Cut

**Hydraulic Systems**

- Closed Center
- Variable Displacement Pump
- Load Sense Control
- 60 Gallon Oil Reservoir
- High Capacity Oil Cooling System

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BOLT ON Trailer Kit

Bolt on trailer kit is designed specifically for the MP170-2SC
Part Number: MP170-90000

TRAILER SPECIFICATIONS

- Dual Axel
- MSO Issued
- Front Electric Breakaway Brake System
- Tire Size: 205/75/14
- Capacity: 7,000 lbs
- 2-5/16” Ball Hitch
- White Spoke Wheels
- Hand Jack
- Can Stand on Fenders
- Standard Rear Lights & Front Marker Lights
- Total Weight Including MP170-2SC 5,000 lbs
Upgrade to 3 or 4 Cones

MC85-2SC
150 GPM

MC170-2SC
350 GPM

MC255-2SC
500 GPM

Mud Cleaner
Recycles the mud & dumps the crud!

Fast & Easy Setup
3 Sizes to Fit Your Needs
Save Money with Clean Mud

Mud Cleaner
Recycles the Mud and Dump the Crud!

MC85-2SC
- Max Flow 150 GPM
- 2' x 3' Double Screen Desander System
- 2, 5" Desander Cones
- Total Weight: 698 lbs.
- Foot Print: 36" x 76"

Parts Included
- Bottom Screen 10 Mesh
- Top Screen 100 Mesh with 20 Mesh Backing
- Hydraulic Driven with Constant Speed Control
- Hydraulic Motor Requires 4.75 GPM at 900 psi
- Rotary Motion
- 20 Micron Cut
- Frame is long for cut to length

MC170-2SC
- Max Flow 350 GPM
- 3' x 5' Double Screen Desander System
- 2, 5" Desander Cones
- Total Weight: 938 lbs.
- Foot Print: 50" x 97"

Shaker
- Max Flow 350 GPM
- 3' x 5' Double Screen

Desander System
- 2, 5" Desander Cones
- Total Weight: 938 lbs.
- Foot Print: 50" x 97"

Parts Included
- Bottom Screen 10 Mesh
- Top Screen 100 Mesh with 20 Mesh Backing
- Hydraulic Driven with Constant Speed Control
- Hydraulic Motor Requires 4.75 GPM at 900 psi
- Rotary Motion
- 20 Micron Cut
- Frame is long for cut to length

MC255-2SC
- Max Flow 500 GPM
- 4' x 5' Double Screen Desander System
- 3, 5" Desander Cones
- Total Weight: 1162 lbs.
- Foot Print: 60" x 121"

Shaker
- Max Flow 500 GPM
- 4' x 5' Double Screen

Desander System
- 3, 5" Desander Cones
- Total Weight: 1162 lbs.
- Foot Print: 60" x 121"

Parts Included
- Bottom Screen 10 Mesh
- Top Screen 100 Mesh with 20 Mesh Backing
- Hydraulic Driven with Constant Speed Control
- Hydraulic Motor Requires 4.75 GPM at 900 psi
- Rotary Motion
- 20 Micron Cut
- Frame is long for cut to length

Tibban.com  sales@tibban.com
A rotary motion shaker is a low impact or low G-Force. A rotary shaker moves in a circular motion. Has less impact on the screen therefore allowing the sand on the screen to ball up or “piggy back”. This “piggy back” affect allows even the smallest particles to ball and trap with the larger solids rolling off the screen.

Available Sizes

MP440001- 85 double screen shaker is rated for up to 150 gpm

MP340000- 170 double screen shaker is rated for up to 350 gpm

MP240001- 255 double screen shaker is rated for up to 500 gpm

Shaker Replacement Screens

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Torque To 40 Ft-Lbs.
## Tibban MP170 Shaker

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### MP-U301-00100 Shaker Motor Assembly MP170

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**MP-U401-00100 Shaker Motor Assembly MP255**

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**Options Reference:**
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# Part Number MP322-00004 Spline Can Be Used In Place As An Option

**MP-U401-00100 Shaker Motor Assembly MP255**

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* Part Number MP34298B Can Be In Place As An Option
# Part Number MP322-00004 Spline Can Be Used In Place As An Option
# 5” Desander Cone

## MP380135 Tibban 5 Inch Desander Cone No Apex Adjustment

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## 5” DESANDER CONE NO ADJUSTABLE APEX

- **Discharge**: 7”
- **Underflow**: 16 1/8”
- **Inlet**: 23 1/8”
- **2” Victaulic Flange**: 4 7/16”
- **1 1/4” Nominal Opening with 1 1/4” 125# F. P. Flange**
5” Desander Cone

MP380112 Tibban 5 Inch Desander Cone With Apex Adjustment

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5” DESANDER CONE WITH ADJUSTABLE APEX

Tibban.com sales@tibban.com
3” Desander Cone

**12272012CB-1 Tibban 3 Inch Desilter Cone Assembly With Apex Adjustment**

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**3” DESANDER CONE WITH ADJUSTABLE APEX**

- Discharge: 8 5/8”
- Underflow: 13”
- Inlet: 15 1/2”
- 2” Victaulic Flange: 6”

*Details and dimensions can vary depending on specific application requirements.*

Tibban.com  sales@tibban.com
12272012CB-2 Tibban 2 Inch Desilter Cone Assembly No Apex Adjustment

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2" DESANDER CONE NO APEX ADJUSTMENT

Tibban.com sales@tibban.com
How to inspect the Desander Cone

Many of our readers might not realize that desander cones wear out, and need to be replaced. If your desander cones are not performing like they used to, and you are seeing more liquid than sand coming out of your cones, it may be time to inspect them.

Inspecting your desander cones is important and easy to accomplish. To inspect your desander cones, first remove them from the manifold. Remove the clamp that bands the top and bottom half of the cones together. The two halves will split apart. (See figure 1.1) Look inside of the bottom half towards the output nozzle. If you see grooves or wear it may be time to replace your desander cones. The top half of the cone will also show wear around the outside edges near the input jet. (See figure 2.1-2.4)

Both the top and bottom half of the cone need to be replaced if there is excessive wear. When the sand enters the cone at a proper psi, the pressure creates centrifugal force which pushes the heavier sand to the outside of the cone. This pressure forces the sand down the smooth sides of the cone. The lighter, clean mud goes back up the center of the cone into the tank. As the sand swirls around however, it carves grooves on the inside of the top and bottom halves of the desander cone. The grooves disrupt the centrifugal flow of the sand and then will get mixed back in with the clean mud. This means your desander cones have lost their efficiency and may need to be replaced.

Your desander cones should be running at 30 - 50 psi. If not, the desander pump and cones should be inspected for wear.

Mix Hopper
Vaccum Jet Venturi

Collapsible for Convenient Storage

Pressure:
30 psi minimum
Can run up to 200 psi
Needs 50 gpm minimum to run efficiently

Overall Size:
Open- 35”L x 20”W x 28”H
Collapsed- 19”L x 20”W x 28”H

Features:
Support table and cover, 2” m/NPT thread inlet, and a 3” outlet

Part Number: MP370001

Tibban.com sales@tibban.com
250 Pump

Options:
Mechanical Seal
Chromoloy
Lasts 8-10x longer

4x3 Long Body Ductile Iron

Wet End Kits
Gaskets & O-Rings Incl.

Shaft Kits
Long Body/Short Body

118 Pump

Options:
Mechanical Seal
Chromoloy
Lasts 8-10x longer

2x3 Ductile Iron
Packed

Wet End Kits

Mechanical Seal
Packed Seal

Sand Guzzler
350 or 500 gpm

See Tibban Pump Catalog for full details.

442-242-7507
MudPuppy
Limited Warranty

Tibban MFG Inc. (TMI) warrants to the original customer that each new “MudPuppy” supplied by TMI or an authorized distributor of TMI, purchased by the original customer and properly used, will be free from defect in material and workmanship under normal use and service. Warranty coverage is provided for each genuine new “MudPuppy” for a period of six (6) months or 600 hours, whichever occurs first. If during the warranty period following the delivery of the machine, it is shown there is a defect in material or workmanship caused solely by failure of TMI to meet such standard, and customer has notified TMI within that period, TMI shall repair or replace, at TMI’s cost and option, such defective parts. Such repair or placement will be made without charge to the customer at TMI’s facility or authorized repair center. Any replaced part (s) shall become the property of TMI and must be returned to TMI before credit will be issued. Any repaired or replaced part shall be warranted until the expiration of the original warranty period. TMI’s warranty obligation is expressly conditioned upon the customer fulfilling all obligations pursuant to customer’s purchase agreement including, without limitation, all payment obligations.

This warranty does not cover the following: (i) normal wear and tear or components; (ii) exposure, corrosion or prolonged or improper use; (iii) normal maintenance service; (iv) improper installation or use of fuels and lubricants. (v) Misuse, alteration, negligence and accidents; (vi) unauthorized repair.

This warranty does not cover any components supplied by TMI manufactured by other than TMI, such as components obtained by TMI from its suppliers. TMI makes no warranty whatsoever with respect to such components. Such components will be covered only by the warranties, if any, as may be issued by such suppliers themselves, which warranties will be made available to customer upon request.

TMI will not accept responsibility for the location of equipment. Customer waives any and all claim for loss of time, increased cost, inconvenience, loss of profit, cost of rentals or any other direct, indirect, punitive, special, exemplary, incidental or consequential damages whatsoever. Transportation of equipment will be the sole responsibility of the customer.

For full details of the Tibban MFG, Inc. warranty contact:

Tibban Manufacturing, Inc.
15064 Anacapa Rd. Victorville, CA 92392
Office 442.242.7507 Fax 442.242.7511
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(i). The following are considered normal wear and tear components:

Mix Hopper & Jet System
All Fluids
Adapter Assembly:
- All Hydraulic Quick Disconnects
- Mud hose cam lock fittings
Mud Hose Assembly:
- Hose 2” Braided
- Hose, 3” Green Helix
- Hose, 4” Green Helix
Hydraulic Kit:
- All Hydraulic Filters
Hose Kit Assembly:
- All hose assemblies including hydraulic and mud for the pick up pump
- Mud hose assembly for the desander pump
- Mud hose assembly for the shaker
Shaker Assemble:
- Feet, Shaker - Rubber Vibration
- Shaker Screen “Top”
- Shaker Screen “Bottom”
- Rubber Nosing
- Dump Tube

Desander Manifold Assembly:
- Desander Manifold Assembly
- Gauge
- Desander Cone
Desander Pump Assembly:
- Pump
- King Nipples
- Weld T
- Butterfly Valve
Engine Assembly:
- Oil Filter
- Fuel Filter
- Air Filter
Sand Guzzler Pick Up Pump:
- Housing
- Impeller
- Hub
- Splasher Plate
- Top Plate
- Hydraulic Motor
- Bolt Kit

(ii) Exposure, corrosion or prolonged or improper use:
(iii) Normal maintenance service or the replacement or repair of parts required to be replaced or repaired in the course of normal maintenance service:
(iv) Improper installation or use of fuels and lubricants:
“MudPuppy” machines are specifically designed to operate with certain fuels and lubricants. Consult your owners’ manual for details. Improper fuels or lubricants may damage machinery.
(v) Misuse, alteration, negligence and accidents:
Altering “MudPuppy” machines in any way may void warranty. Using “MudPuppy” machines for any purpose other than the intended purpose may void warranty. TMI will not warranty machines damaged by accidents.
(vi) Unauthorized repair:
Repairs under warranty must be authorized by TMI or one of its official representatives. Any repair done without the express permission may void warranty.

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Tibban.com sales@tibban.com
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