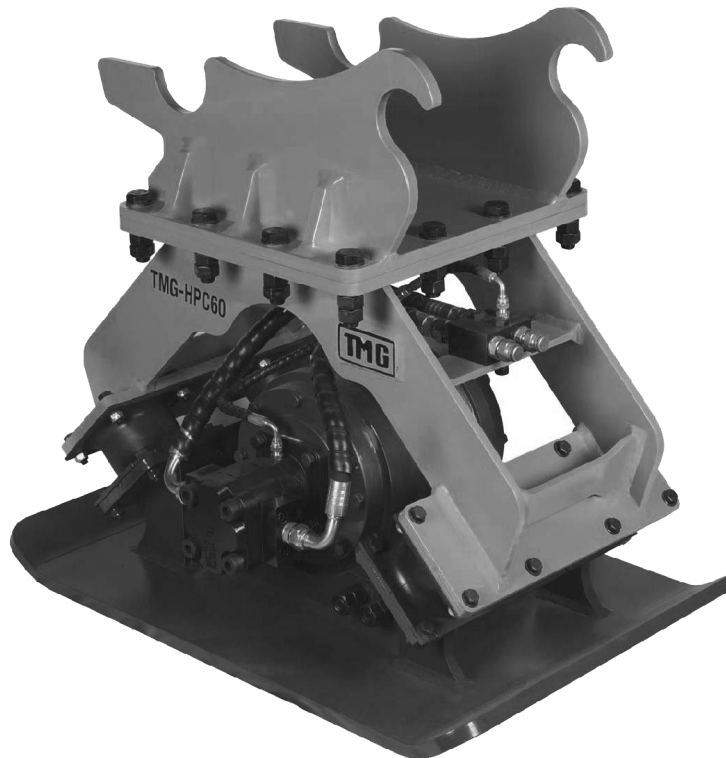


Excavator Hydraulic Plate Compactor

MODEL:TMG-HPC40
TMG-HPC60
TMG-HPC80



- Please read the product manual completely before assembly
- Check against the parts list to make sure all parts are received
- Wear proper safety goggles or other protective gears while in assembly

Missing parts or questions on assembly?

Please call: 1-877-761-2819 or email: cs@tmgindustrial.com

Do not return the product to dealer, they are not equipped to handle your requests

ATTENTION

- * Please read this manual carefully before installing, operating or servicing the plate compactor.
- * Please read and follow this manual in order to better protect the user's safety.
- * To avoid unnecessary damage or loss, please always follow the relevant laws, regulations and safety practices.

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Chapter 1 Preface

- * This manual contains information on safety, operation, lubrication and maintenance.
- * The manual is a reference document for the new operator and a training document for experienced personnel.
- * If you have any questions about hydraulic compactor, consult your agent or factory.

WARNING

- * Please do not use hydraulic compactor for other unrelated works
- * If you do not operate properly, you can cause serious accidents and even cause casualties.
- * Operators and maintenance personnel please read this manual carefully and then perform the relevant operation or repair of the compactor.
- * If this manual is missing or damaged, please re-subscribe timely.
- * If the compactor is transferred, please bring this manual.

Chapter 2 Application

1) Slope road construction

2) Building foundation

3) Soil & Gravel

4) Bottom soil for the Pipeline construction

5) Drainage pipes and rock base

6) Test pile work

7) Slope shore embankment

8) Others

Chapter 3 Description

Category	Unit	TMG-HPC40	TMG-HPC60	TMG-HPC80
Power of Impulse	ton	5	10	15
Vibration Frequency	RPM	2000	2000	2200
Oil Flow	GPM	12-20	23-28	32-53
Operating Pressure	PSI	1450-1850	1450-2130	2130-2850
Bottom Measurement	mm2	900*550	1100*700	1300*900
Weight	kg	362	646	1084
Carrier Weight	ton	4-7	10-16	17-25

* The oil return line must be connected to the low pressure oil return tank and the oil return pressure is less than 100 PSI

Chapter 4 General Description

1. The use of the compactor

The special design of the compactor can be applied to all kinds of quarry and construction sites.

2. Product Number

The product number on the compactor bracket is particularly important for product maintenance and replacement of parts. Please remember the product number.

3. Work Clothing

When the machine is operated, if you do not wear properly, it may cause injury. Loose clothing is easy to get involved in running machines. It is recommended that you wear suitable work clothes. For example: helmets, safety shoes, protective glasses, professional coat, ear care, professional gloves and so on. Do not wear a tie or scarf while working, or work with long hair.

The product number on the compactor bracket is an important document for repair or order accessories. We have strict quality supervision for every factory product, and the product number must be submitted to our company for maintenance. Therefore, please remember the product number.

4. Lifting equipment

Wrong operation of lifting equipment makes it easy for personnel to be injured. Be familiar with the operation of the lifting equipment and ensure that the lifting capacity of the equipment is within the appropriate range. Before starting, keep the equipment in good condition and follow the appropriate operating instructions for correct operation.

5. Safety

This manual is a guide to your safe operation and maintenance of the machine. Before installing, operating or servicing the machine, please read this manual carefully and place the manual with the machine.

6. Trial Operation

If you are not doing a trial operation or operating the machine unskilled, it is likely to cause casualties. Please try out the operation in a spacious and clean place and keep other unrelated persons away from the operation site. Please make sure you are able to do the correct operation before using the new machine.

7. Security barrier

In public places, or when your visibility is reduced, please let the unrelated personnel stay away from the obstacle area.

8. Machine usage status

Please operate the machine appropriately. Exceeding the limit will damage the machine and cause a dangerous accident. Please do not arbitrarily transform the compactor. The wrong transformation is likely to cause dangerous accidents. Do not operate the machine when it missed parts. Please operate by the instructions. Do not operate at high temperatures.

9. Maintenance

Please do not repair the machine without authorization. Please contact your dealer or manufacturer when you need to replace a new part. The product is suitable for large heavy excavators and construction work. As we all know, the construction site is dangerous, so please beware of improper use which can cause serious injury or even death. If you have any questions about the product, please contact the agent or manufacturer.

Chapter 5 Installation

1) Connection

The next procedure is to connect the two tubes on the compactor to the excavator arm.

Product Model	Import and export size	
	Import Size	Export Size
TMG-HPC40	1/2" NPT	1/2" NPT
TMG-HPC60	3/4" NPT	3/4" NPT
TMG-HPC80	1" NPT	1" NPT

Important Notice

Please ensure that the above check is intact, you can start the excavator, slowly stretching the arm, in order to ensure that the pipeline without squeezing. Please first enable small striking force and turn on oil flow.

Chapter 6 Operation

- 1) Make sure that all piping is properly installed and that all oil return lines are not squeezed
- 2) When operating, please use the different sizes of the force, the first use of a slight ramming force, followed by the use of slightly larger ramming force, repeated alternately, please do not over-ramming.
- 3) After daily work, please keep the machine properly

1. Customer Information:

Operators must be carefully, read the operating instructions in detail, in strict accordance with the operating instructions required operation before using the machine, for the new operator, must be formal, systematic trained before operation; otherwise, because the operator did not read Operating instructions, or no formal, systematic operation training, resulting in damage to the compactor, manufacturers are not responsible.

2. Parts Replacement:

Customers should use the original parts, otherwise, it may result in compactor damage, manufacturers are not responsible.

3. The Seal Kits Replacement:

Customers need to change the seal kits and do the maintenance regularly. We recommend customer to find the professional personnel to finish the maintenance and replacement or it may cause damages to the machine.

4. The Use of Hydraulic Oil:

Before installing the compactor, it is necessary to filter the hydraulic oil, clean the fuel tank and replace the oil on the excavator. Excavator oil, to follow the excavator's use of the period, often replaced, such as timely replacement of oil.

5. The Use and Maintenance of Fasteners:

After the first work for 1 hour, operator need to check if the components of the bolts, loops are loose, check the line and tubing if there is abrasion. And then doing the same check each 10 working hours later.

6. Use

For the full and efficient use of hydraulic compactor, the pressure must be properly pressurized, the pressure can not be too large or too small. If the connection object has been ruptured or began to produce cracks, you should immediately stop the use of hydraulic compactor.

- ※ It is strictly forbidden to use hydraulic compactor to lever the rock;
- ※ It is strictly forbidden to use hydraulic compactor to lift objects;
- ※ It is strictly forbidden to use hydraulic compactor by falling off;
- ※ It is strictly forbidden to replace the factory data parameters.

7. Operating Environment:

Observe the work site carefully before operating, strictly abide by the construction safety rules to prevent the occurrence of security incidents;

- ※ It is strictly forbidden to operate the machine after drinking or taking doping drugs;
- ※ Preheating before the operation;
- ※ After the operation or suspension of work, must confirm the device is completely stopped.

Disclaimer:

1. The manufacturer is only responsible for the quality of the hydraulic compactor itself, but not responsible for other problems caused by the quality problems, work injury and other related issues.
2. The process of operating within the radius of 10 meters can not be someone else, or all losses caused by, the manufacturers are not responsible.
3. Due to installation errors, resulting in the motor inlet and outlet reverse, the motor back to the port can not normally return oil, resulting in motor surge and all other losses, manufacturers are not responsible.

The final interpretation of this notice to the manufacturer

Chapter 7 Maintenance

1) After working 400 hours, please check the oil pressure and bearing.

2) Torque of the screw

Specification	Torque
10mm	44Nm
12mm	77Nm
16mm	190Nm
20mm	350Nm

* All fasteners have a high strength rating of 12.9 grade

3) All Nuts

The high strength grade of all hex nuts is 12.9 grade (GB) and is a special purpose lock nut. After each 4 hours of use, please ensure that the parts do not loose again, regular inspection is the important measure to ensure the machine to play the best performance.

***Note: When replacing the bearings, please use the original parts, because these are specially selected spare parts.**

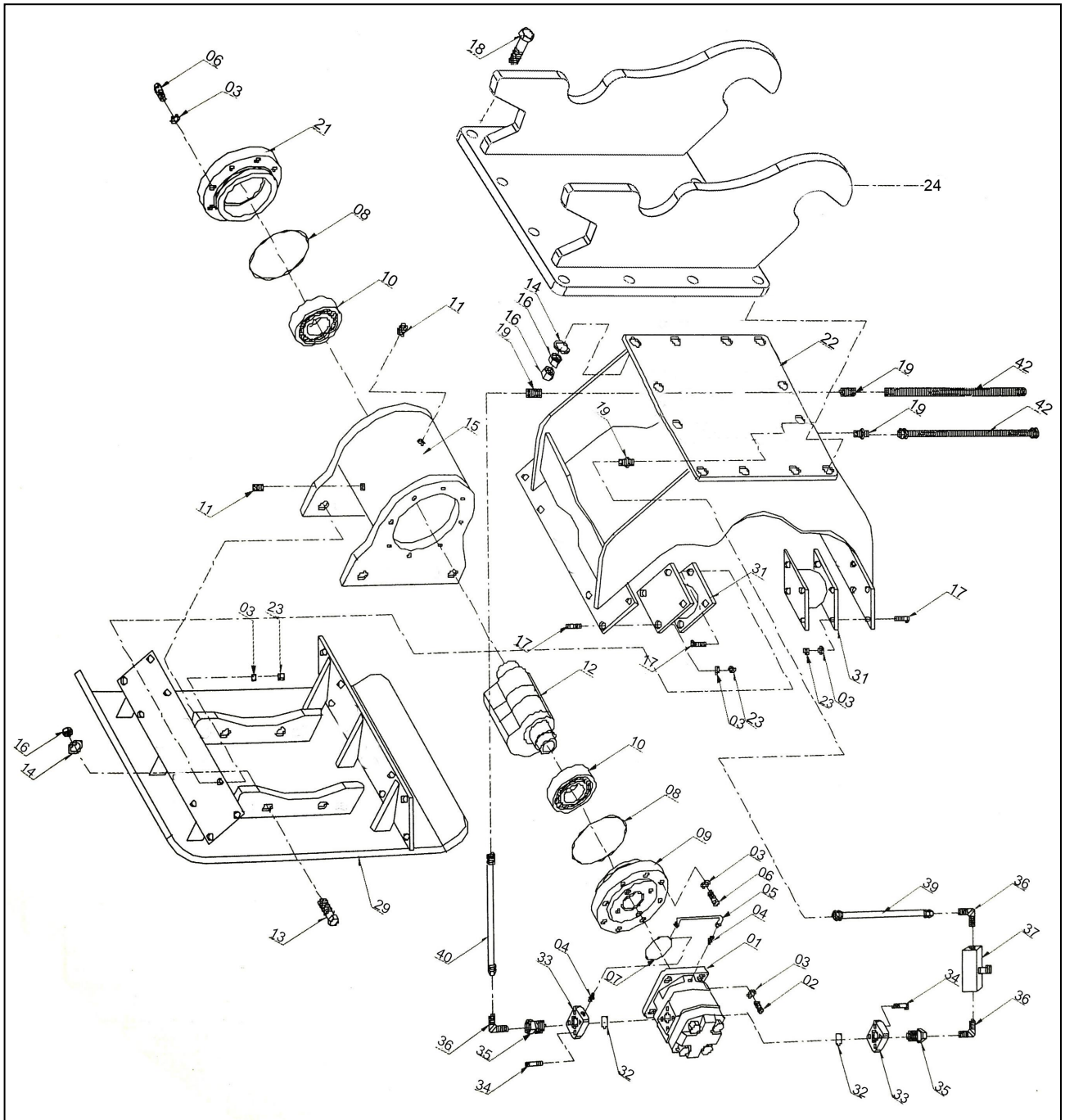
4) Lubricant

The bearing oil must be maintained at a moderate amount, the following is the amount of fuel for the compactor:

Model	Oil Amount
TMG-HPC40	1.5L
TMG-HPC60	2.4L
TMG-HPC80	4.9L

Chapter 8 EXPLODED DRAWINGS and PATTS LIST

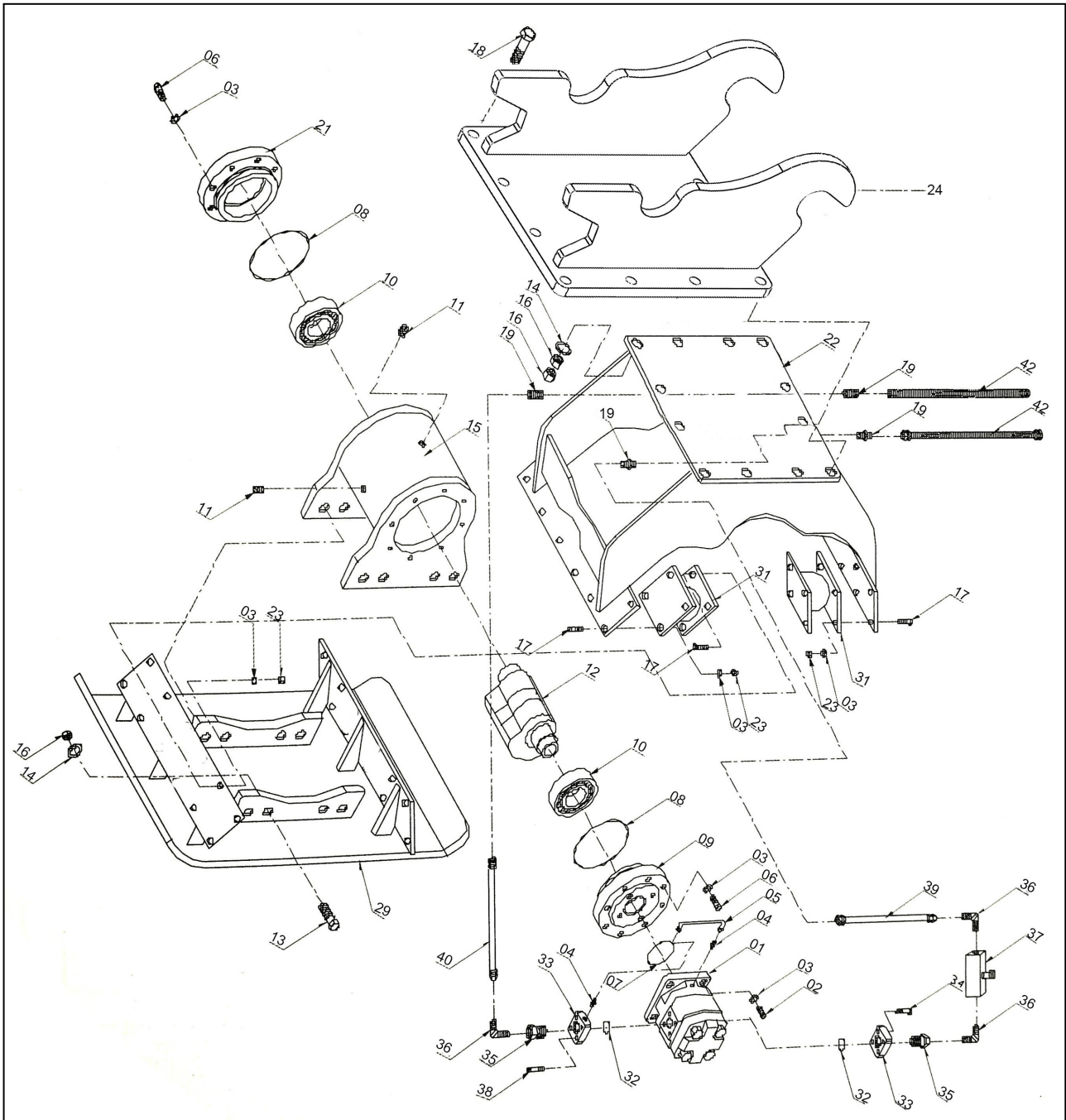
1) TMG-HPC40 EXPLODED DRAWINGS



TMG-HPC40 PARTS LIST

No.	Parts Name	Quantity
TMG-HPC40-01	Hydraulic Motor	1
TMG-HPC40-02	Motor Bolt	4
TMG-HPC40-03	Spring Washer	52
TMG-HPC40-04	Nipple	2
TMG-HPC40-05	Hose	1
TMG-HPC40-06	Body Cover Bolt	16
TMG-HPC40-07	O-Ring	1
TMG-HPC40-08	O-Ring	2
TMG-HPC40-09	Body Cover(A)	1
TMG-HPC40-10	Bearing	2
TMG-HPC40-11	Socket Plug	2
TMG-HPC40-12	Cam Shaft Ass'y	1
TMG-HPC40-13	Body Bolt	4
TMG-HPC40-14	Spring Washer	4
TMG-HPC40-15	Body Ass'y	1
TMG-HPC40-16	Nut	28
TMG-HPC40-17	Rubber Bolt	32
TMG-HPC40-18	Top Bracket Bolt	12
TMG-HPC40-19	Nipple	4
TMG-HPC40-21	Body Cover(B)	1
TMG-HPC40-22	Bracket	1
TMG-HPC40-23	Nylon Net	32
TMG-HPC40-24	Top bracket	1
TMG-HPC40-29	Base Plate	1
TMG-HPC40-31	Rubber	4
TMG-HPC40-32	O-Ring	2
TMG-HPC40-33	In Out Flange	2
TMG-HPC40-34	In Out Flange Bolt	8
TMG-HPC40-35	Socket	2
TMG-HPC40-36	Nipple	3
TMG-HPC40-37	Control Valve	1
TMG-HPC40-39	Hose	1
TMG-HPC40-40	Hose	1
TMG-HPC40-42	Hose	2

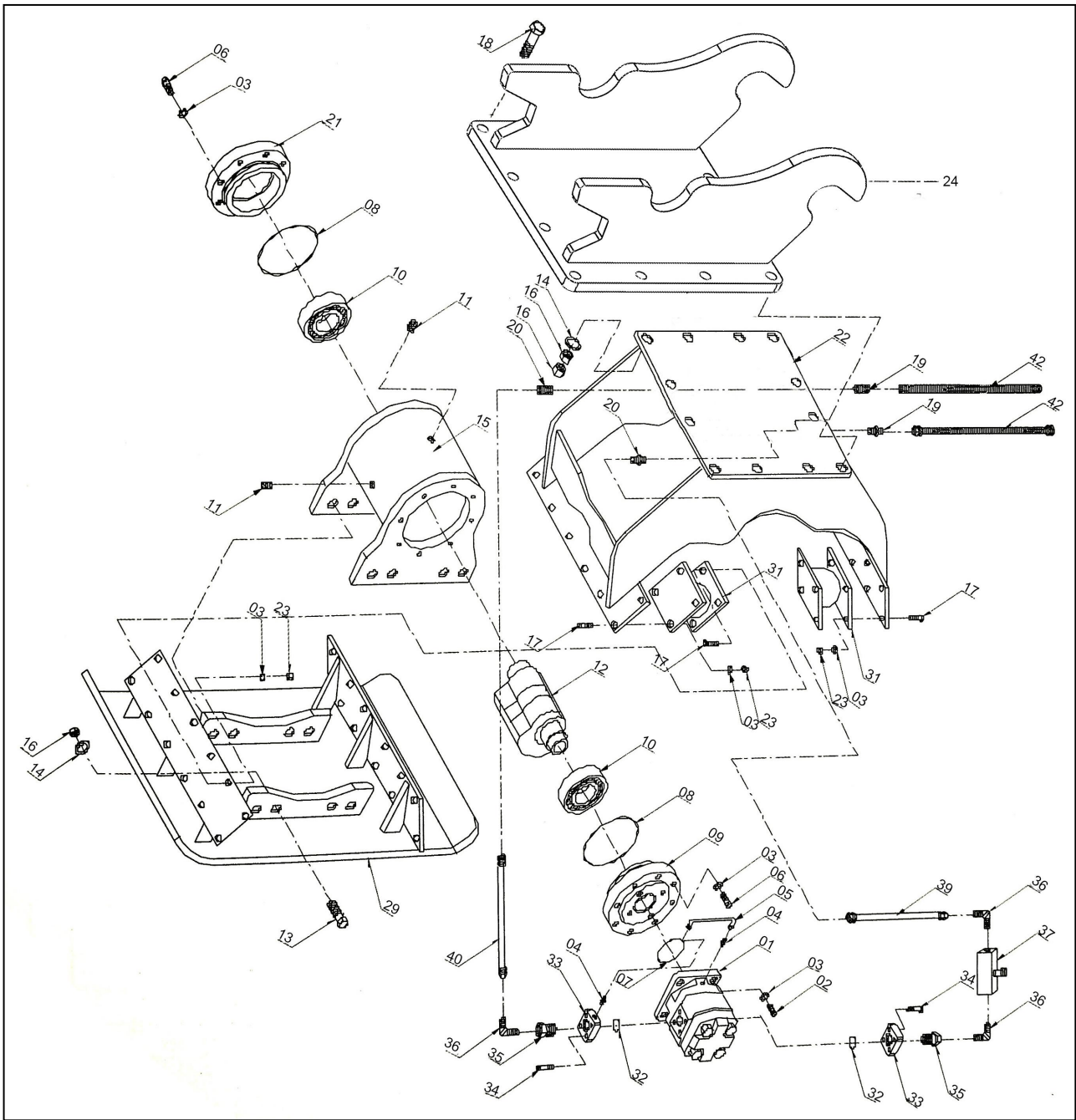
2) TMG-HPC60 EXPLODED DRAWINGS



TMG-HPC60 PARTS LIST

No.	Parts Name	Quantity
TMG-HPC60-01	Hydraulic Motor	1
TMG-HPC60-02	Motor Bolt	4
TMG-HPC60-03	Spring Washer	52
TMG-HPC60-04	Nipple	2
TMG-HPC60-05	Hose	1
TMG-HPC60-06	Body Cover Bolt	16
TMG-HPC60-07	O-Ring	1
TMG-HPC60-08	O-Ring	2
TMG-HPC60-09	Body Cover(A)	1
TMG-HPC60-10	Bearing	2
TMG-HPC60-11	Socket Plug	2
TMG-HPC60-12	Cam Shaft Ass'y	1
TMG-HPC60-13	Body Bolt	8
TMG-HPC60-14	Spring Washer	8
TMG-HPC60-15	Body Ass'y	1
TMG-HPC60-16	Nut	32
TMG-HPC60-17	Rubber Bolt	32
TMG-HPC60-18	Top Bracket Bolt	12
TMG-HPC60-19	Nipple	4
TMG-HPC60-21	Body Cover(B)	1
TMG-HPC60-22	Bracket Ass'y	1
TMG-HPC60-23	Nylon Nut	32
TMG-HPC60-24	Top bracket	1
TMG-HPC60-29	Base Plate Ass'y	1
TMG-HPC60-31	Rubber	4
TMG-HPC60-32	O-Ring	2
TMG-HPC60-33	In Out Flange	2
TMG-HPC60-34	In Out Flange Bolt	8
TMG-HPC60-35	Socket	2
TMG-HPC60-36	Nipple	3
TMG-HPC60-37	Control Valve	1
TMG-HPC60-39	Hose	1
TMG-HPC60-40	Hose	1
TMG-HPC60-42	Hose	2

3) HPC80 EXPLODED DRAWINGS



TMG-HPC80 PARTS LIST

No.	Parts Name	Quantity
TMG-HPC80-01	Hydraulic Motor	1
TMG-HPC80-02	Motor Bolt	4
TMG-HPC80-03	Spring Washer	68
TMG-HPC80-04	Nipple	2
TMG-HPC80-05	Hose	1
TMG-HPC80-06	Body Cover Bolt	16
TMG-HPC80-07	O-Ring	1
TMG-HPC80-08	O-Ring	2
TMG-HPC80-09	Body Cover(A)	1
TMG-HPC80-10	Bearing	2
TMG-HPC80-11	Socket Plug	2
TMG-HPC80-12	Cam Shaft Ass'y	1
TMG-HPC80-13	Body Bolt	8
TMG-HPC80-14	Spring Washer	20
TMG-HPC80-15	Body Ass'y	1
TMG-HPC80-16	Nut	32
TMG-HPC80-17	Rubber Bolt	48
TMG-HPC80-18	Top Bracket Bolt	12
TMG-HPC80-19	Nipple	2
TMG-HPC80-20	Nipple	2
TMG-HPC80-21	Body Cover(B)	1
TMG-HPC80-22	Bracket Ass'y	1
TMG-HPC80-23	Nylon Nut	48
TMG-HPC80-24	Top Bracket Ass'y	1
TMG-HPC80-29	Base Plate Ass'y	1
TMG-HPC80-31	Rubber	6
TMG-HPC80-32	O-Ring	2
TMG-HPC80-33	In Out Flange	2
TMG-HPC80-34	In Out Flange Bolt	8
TMG-HPC80-35	Socket	2
TMG-HPC80-36	Nipple	3
TMG-HPC80-37	Control Valve	1
TMG-HPC80-39	Hose	1
TMG-HPC80-40	Hose	1
TMG-HPC80-42	Hose	2