



**WACKER
NEUSON**

Operator's Manual/Parts Book

Concrete Vibrators
Submersible Pump
Drive Units



**WACKER
NEUSON**

Foreword

For your own safety and protection from physical injury, carefully read, understand and observe the safety instruction in this manual.

Please operate and maintain your equipment in accordance with the instructions in this manual.

Defective machine parts are to be replaced as soon as possible. You will find the part you need, and the relevant part number in the chapters entitled "Spare parts" in this manual.

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HAZARD IDENTIFICATION, RISK ASSESSMENT AND CONTROL

COMPANY: *WACKER AUSTRALIA PTY. LTD.*
 PLANT/EQUIPMENT: *MOTORIZED DRIVE UNIT FOR FLEXIBLE SHAFT SUBMERSIBLE PUMPS AND INTERNAL VIBRATORS*
 PLANT/TASK DESCRIBED: *PUMPING OF WATER WITH OR WITHOUT SOLIDS, VIBRATING CONCRETE.*

Familiarity and proper training are required for the safe operation of equipment!
 Equipment operated improperly or by untrained personnel can be dangerous! Read operating instructions and Safety Guidelines to familiarise yourself with the location and proper use of all instruments and controls. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT AT ALL TIMES!

| HAZARD IDENTIFICATION | RISK ASSESSMENT | PRACTICABILITY (It is practicable to remove or mitigate the hazard or risk?) | | RISK CONTROL |
|---|-----------------|---|---|---|
| | | YES | NO - Why not? | |
| INJURY DUE TO: BURNS ON EXHAUST PROTECTION GUARD OR ENGINE COOLING FINS | MEDIUM RISK | | ONLY EXPENSIVE AND IMPRACTICLE ENCLOSURES COULD MITIGATE THE RISK | IMPRINT ON GUARD DO NOT TOUCH EXHAUST GUARD OR ENGINE COOLING FINS:  |
| CONTACT WITH ROTATING COUPLING INSIDE BELL HOUSING | MEDIUM RISK | ✓ | | NEVER OPERATE DRIVE UNIT WITHOUT PUMP CONNECTED!! DO NOT PUSH FINGERS INTO BELL HOUSING OPENING!! BELL HOUSING DESIGNED WITH LONG GUIDING SLEEVE TO AVOID ACCIDENTAL CONTACT BY FINGERS OF THE OPERATOR. ALWAYS SWITCH OFF ENGINE BEFORE CONNECTING OR DISCONNECTING FLEXIBLE SHAFT!! |
| OPERATOR SLIPPING, TRIPPING, FALLING | MEDIUM RISK | | ENVIRONMENT IN WHICH MACHINES ARE OPERATED CANNOT BE CONTROLLED BY THE SUPPLIER | BE CAREFULL WHEN PLACING DRIVE UNIT, PUMP AND DELIVERY HOSE INTO OPERATING POSITION OR OPERATE VIBRATOR! |
| LIFTING OF DRIVE UNIT | MEDIUM RISK | ✓ | | DO NOT LIFT BY YOURSELF!! PROTECTIVE FRAME ALLOWS SUFFICIENT NUMBER OF PERSONS TO LIFT MACHINE SAFELY. |
| LIFTING OF PUMP | LOW RISK | ✓ | | DO NOT LIFT BY YOURSELF, WHEN TRANSPORTING: USE ROPE ATTACHED TO LIFTING EYE PROVIDED TO LIFT PUMP BODY OUT OF TRENCH. |

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| HAZARD IDENTIFICATION | RISK ASSESSMENT | PRACTICABILITY (It is practicable to remove or mitigate the hazard or risk?) | | RISK CONTROL |
|---|-----------------|---|---|--|
| | | YES | NO - Why not? | |
| INJURY DUE TO: INCORRECT STARTING OF DRIVE UNIT | LOW RISK | | | 1. SEE OPERATING INSTRUCTION MANUAL!! 2. WEAR P.P.E.; |
| PLANT TIPPING, ROLLING OVER | LOW RISK | ✓ | | PROTECTIVE FRAME ON SWIVEL DISH PROVIDES SECURE BASE. ALWAYS BE SURE MACHINE IS PLACED IN SECURE POSITION! |
| EXPLOSION OR FIRE | MEDIUM RISK | | WHEN REFUELING MACHINE, FLAMMABLE LIQUIDS ARE EXPOSED AND VAPOURS ARE PRESENT, WHICH CANNOT BE AVOIDED. | ALWAYS USE APPROPRIATE CARE WHEN HANDLING PETROL OR DIESEL AND READ INSTRUCTION MANUAL! |
| PUMPING OF CORROSIVE CHEMICALS OR WATER CONTAINING TOXIC SUBSTANCES | MEDIUM RISK | | WACKER PUMPS ARE DESIGNED TO PUMP WATER ONLY THERE IS NO TECHNICAL WAY TO REMOVE THIS HAZARD, AS THE SUPPLIER CANNOT CONTROL THE ACTIONS OF THE USER | DO NOT PUMP FLAMMABLE FLUIDS, FUELS, CORROSIVE CHEMICALS OR FLUIDS CONTAINING TOXIC SUBSTANCES. THESE FLUIDS CAN CREATE POTENTIALLY DANGEROUS HEALTH AND ENVIRONMENTAL HAZARDS. |
| CONTACT WITH VIBRATING HEAD OF INTERNAL VIBRATOR | LOW RISK | | HAZARD REMOVAL NOT POSSIBLE AS IT IS THE VIBRATORS PURPOSE TO REMOVE AIR FROM CONCRETE WITH VIBRATION. | DO NOT TOUCH OR HOLD VIBRATING HEAD OF INTERNAL VIBRATOR, WHEN ENGINE IS RUNNING! WEAR P.P.E! |
| SUFFOCATE OR SUFFER ILL HEALTH DUE TO: EXHAUST FUMES & FUEL VAPOURS, ESPECIALLY WHEN USED IN CONFINED SPACES | HIGH RISK | | EXHAUST FUMES AND PETROL VAPOURS ARE UNAVOIDABLE. | ALWAYS OPERATE & REFILL IN WELL VENTILATED AREAS ONLY! |

SAFETY INSTRUCTIONS

READ, UNDERSTAND AND FOLLOW THESE SAFETY GUIDELINES TO AVOID DAMAGE TO EQUIPMENT, OPERATOR INJURY OR DEATH.

1. Petrol and Diesel Fuels are flammable. Unsafe handling will cause injury and perhaps death.

- ◆ **DO NOT** Smoke while operating equipment.
- ◆ **DO NOT** Smoke when refuelling engine.
- ◆ **DO NOT** Refuel hot or running engine.
- ◆ **DO NOT** Refuel engine near open flame.
- ◆ **DO NOT** Spill fuel when refuelling engine.

- ◆ **ALWAYS** Refill fuel tank in well ventilated area.
- ◆ **ALWAYS** Replace fuel tank cap after refuelling.

2. Equipment operated improperly or by untrained personnel is dangerous. Damage to equipment, injury to operator and bystanders is possible.

- ◆ **DO NOT** Use equipment in applications for which it is not intended.
- ◆ **DO NOT** Allow improperly trained personnel to operate equipment.
- ◆ **DO NOT** Touch hot muffler, engine cylinders or cooling fins. Burns will result.
- ◆ **DO NOT** Operate laterally on grade greater than 25deg. On steep inclines and slopes drive unit may drift, causing unit to roll slowly.

- ◆ **ALWAYS** Read, understand and follow instruction book procedures before attempting to operate equipment.
- ◆ **ALWAYS** Be sure operator is familiar with proper safety precautions and operation techniques, before using the equipment.
- ◆ **ALWAYS** Wear protective clothing when operating equipment. Goggles or safety glasses will protect against eye damage caused by flying debris, for instance.
- ◆ **ALWAYS** Keep hands, feet and loose clothing away from moving parts of equipment.
- ◆ **ALWAYS** Check behind machine before backing up.
- ◆ **ALWAYS** Use common sense and caution when operating WACKER equipment.

SAFETY INSTRUCTIONS

- 3. Safety devices and guards are designed with the operator safety in mind. They are intended to protect operator from moving parts and other potential safety hazards. Do not try to defeat their purpose.**

- ◆ **DO NOT** Attempt to clean or service equipment which is running.
- ◆ **DO NOT** Operate equipment with safety devices or guards removed.
- ◆ **DO NOT** Operate equipment without air cleaner.
- ◆ **DO NOT** Remove air cleaner or air cleaner cover while operating equipment.
- ◆ **DO NOT** Tamper with engine governor mechanism. Engine must not be run at speeds other than those specified in Technical Data section.

- ◆ **ALWAYS** Operate equipment with all safety devices and guards in place and in working order.

- 4. Safety does not stop when equipment operation is completed. Improperly stored equipment can be damaged or be a source of injury.**

- ◆ **DO NOT** Leave a running machine unattended.
- ◆ **ALWAYS** Be sure equipment will not tip over, roll, slide or fall when not being operated.
- ◆ **ALWAYS** Turn engine or motor OFF when equipment is not being operated.
- ◆ **ALWAYS** Close fuel valve when equipment is not being operated.

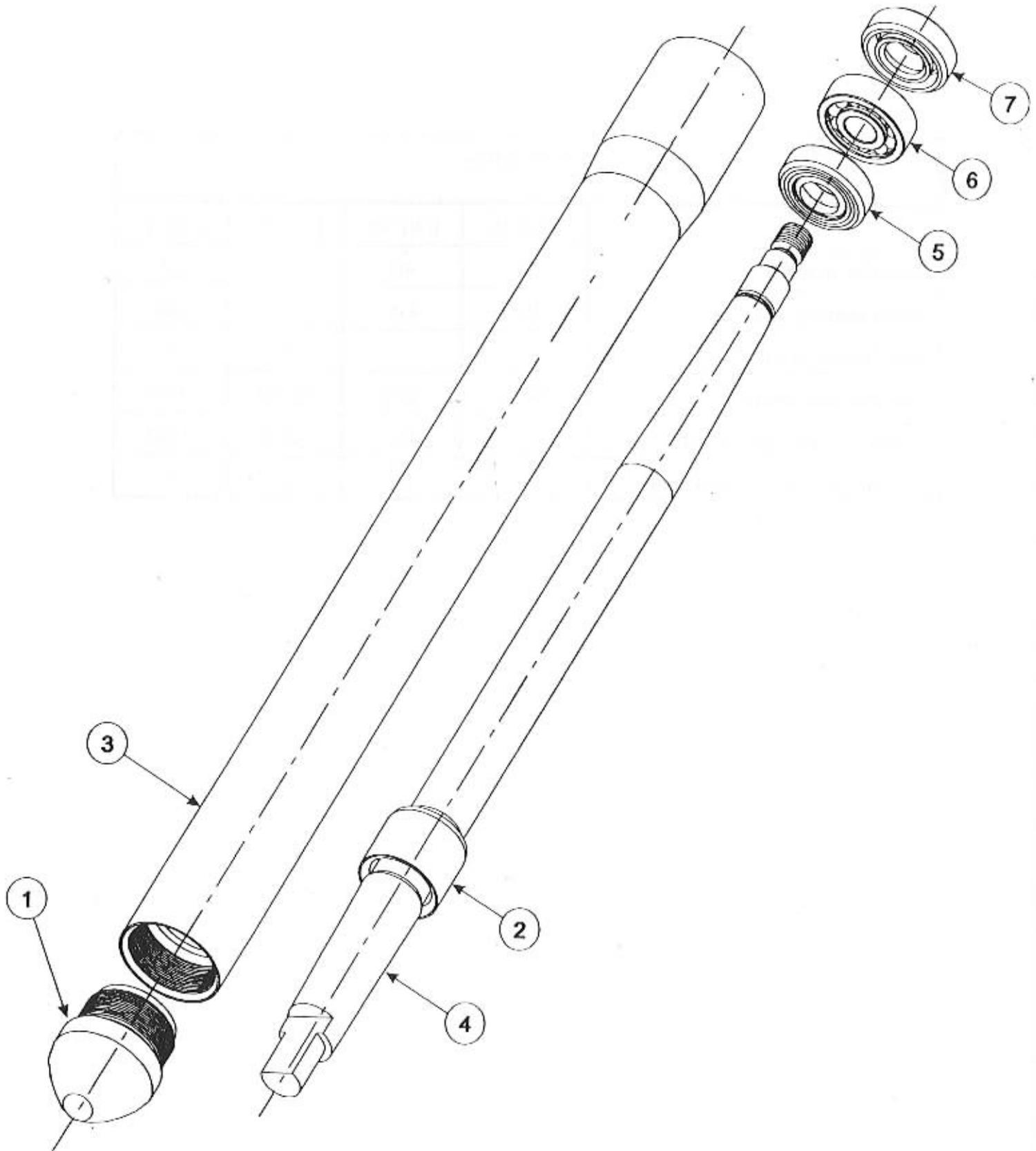
- 5. In order for equipment to operate properly for a long time, periodic maintenance and occasional repairs are necessary. If maintenance is not carried out or repairs are not made, equipment may act erratically and cause more damage and perhaps become a safety hazard.**

- ◆ **ALWAYS** Replace safety devices and guards after repairs and maintenance.
- ◆ **ALWAYS** Keep area around muffler free of debris in order to reduce the chance of an accidental fire.
- ◆ **ALWAYS** Do periodic maintenance as recommended in instruction book.
- ◆ **ALWAYS** Clean debris from engine cooling fins.
- ◆ **ALWAYS** Replace worn or damaged components with spare parts designed and recommended for servicing of WACKER equipment.

TECHNICAL DATA FOR CONCRETE VIBRATORS

| Technical Data | | | | |
|---|--------|--------|--------|--------|
| | FWP 25 | FWP 40 | FWP 57 | FWP 65 |
| Head Dia. in mm : | 25 | 40 | 57 | 65 |
| Head Length in mm : | 300 | 430 | 457 | 500 |
| Head Weight in Kg : | 0.8 | 3 | 5 | 8 |
| Vibrations per minute : | 13000 | 12000 | 12700 | 11500 |
| Compaction area Dia. in mm : | 600 | 800 | 1000 | 1200 |
| Compaction rater per hour in m ³ : | 5 | 12 | 25 | 32 |

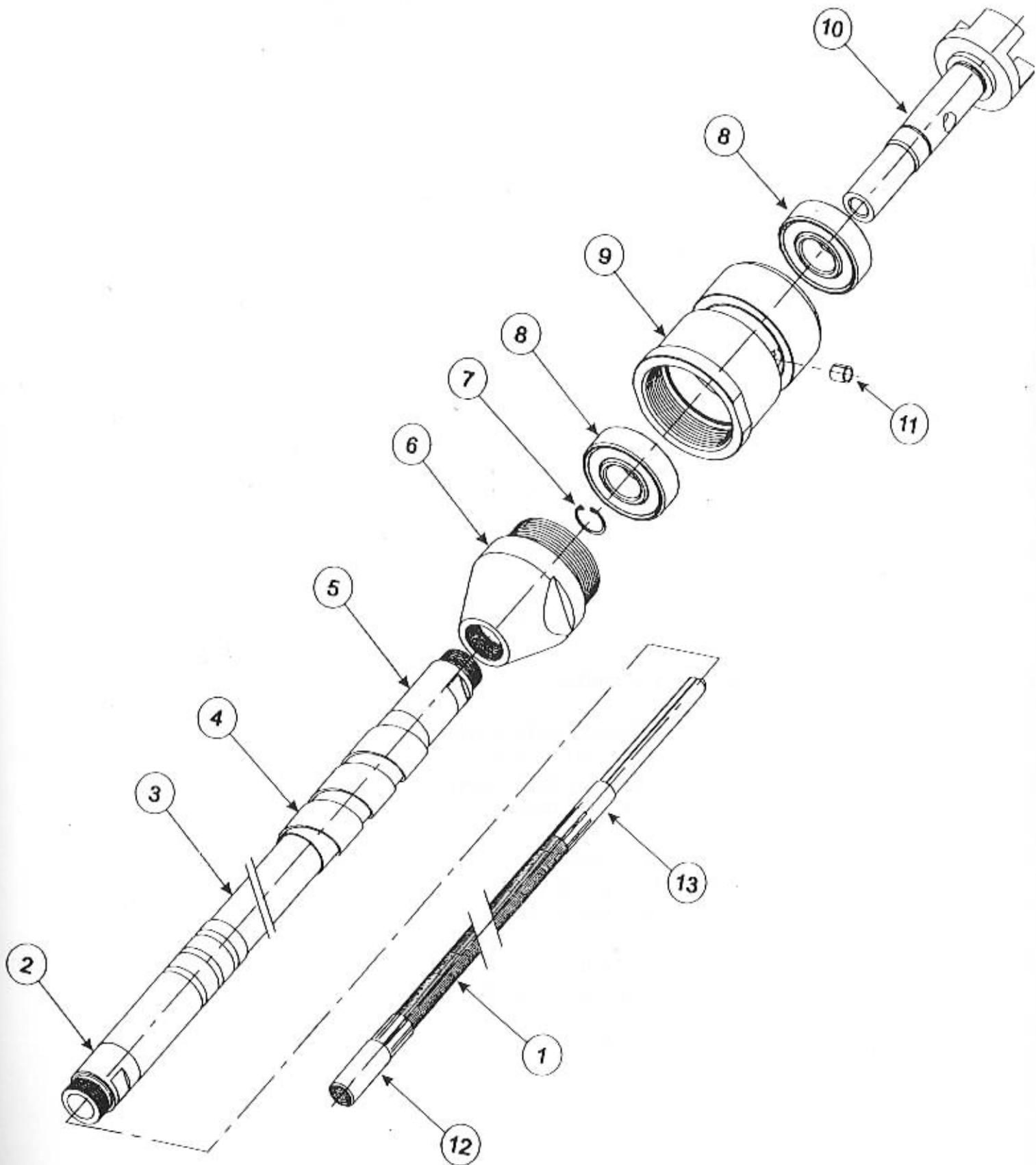
FP 25 VIBRATING HEAD



SPARE PARTS LIST
FP25 VIBRATING HEAD

| Ref | Part No | Description | Qty |
|-----|---------|---|-----|
| | 0033043 | Vibrating Head Complete with 50 Hz Bushing | |
| | 0034530 | Vibrating Head Complete with 60 Hz Bushing | |
| 1 | 0023595 | Steel Nose Cap | 1 |
| 2 | 0023596 | Bushing (50 Hz) | 1 |
| | 0034526 | Bushing (60 Hz) | 1 |
| 3 | 0033044 | Casing | 1 |
| 4 | 0033045 | Pendulum | 1 |
| 5 | 0033046 | Shaft Seal (rubber) | 1 |
| 6 | 0033047 | Bearing | 1 |
| 7 | 0033046 | Shaft Seal (steel) | 1 |

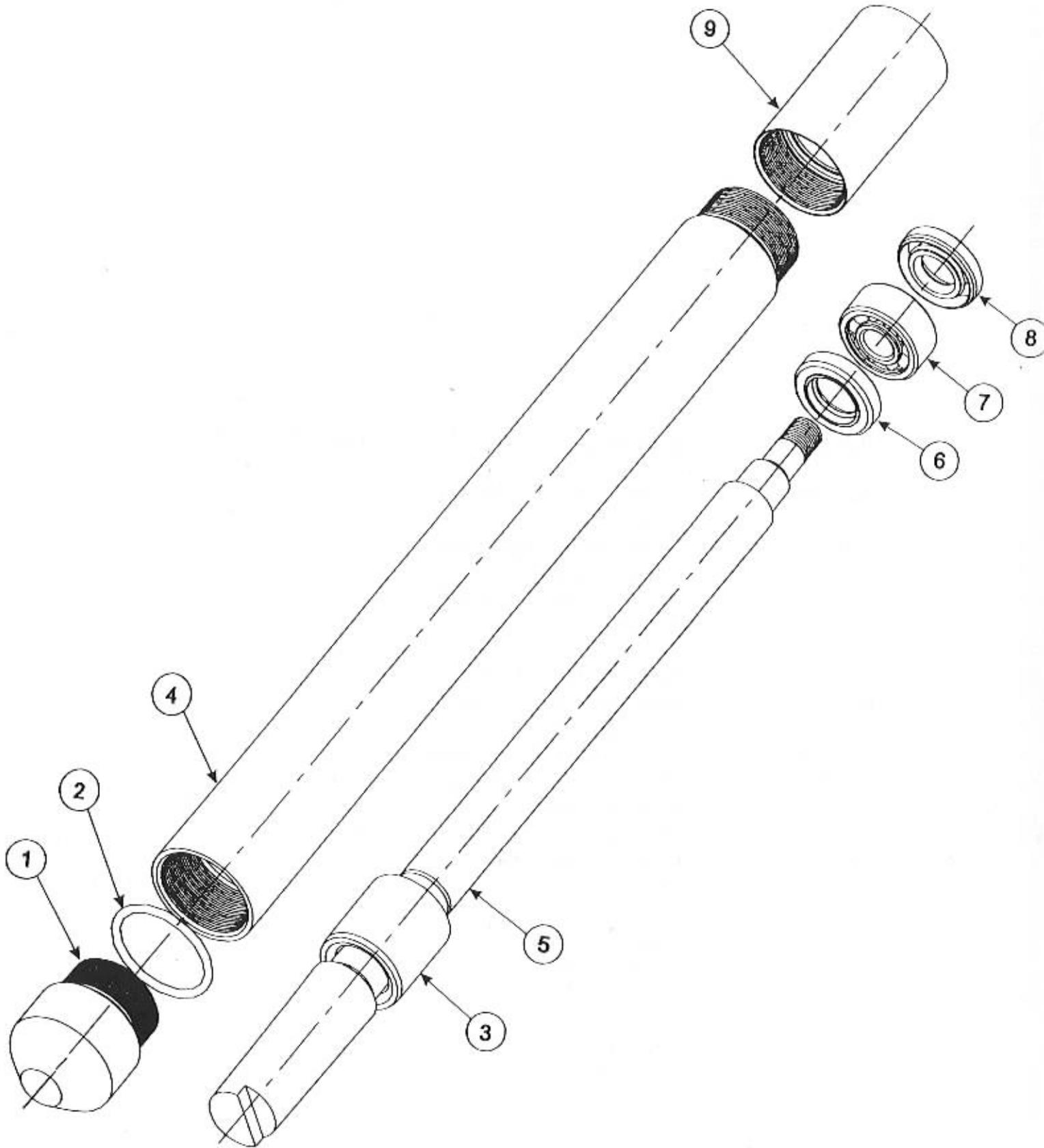
WACKER MODEL : FWP 25/3 - 25/6



SPARE PARTS LIST
FWP 25/3 - 25/6

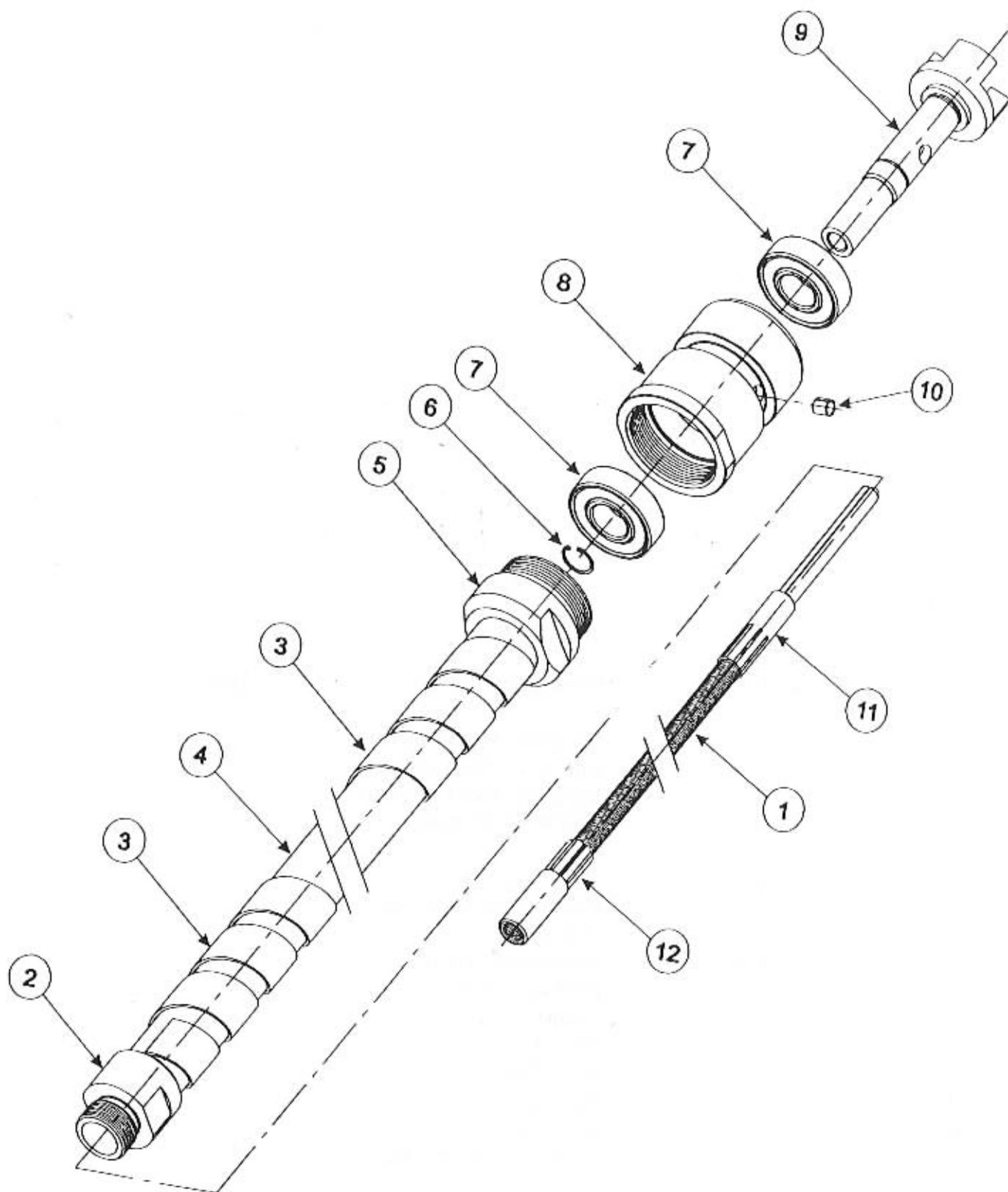
| Ref | Part No | Description | Qty |
|------------|----------------|--|------------|
| | 0056372 | Flexible Shaft Complete 3M 3 Point Coupling | |
| | 0046838 | Flexible Shaft Complete 6M 3 Point Coupling | |
| | 0056114 | Flexible Shaft Complete 6M 2 Point Coupling | |
| 1 | 0056369 | Inner Core Cpl - 3M Shaft | |
| | 0033051 | Inner Core Cpl - 6M Shaft | |
| 2 | 0046835 | Hose Connection | 1 |
| 3 | 0056370 | Outer Casing Cpl. - 3M Shaft | |
| | 0046837 | Outer Casing Cpl - 6M Shaft | |
| 4 | 3006412 | Protective Spiral | 1 |
| 5 | 0046836 | Hose Connection | 1 |
| 6 | 0023608 | Connection Housing | 1 |
| 7 | 0023350 | Circlip | 1 |
| 8 | 2004768 | Ball Bearing | 2 |
| 9 | 0046472 | Coupling Sleeve | 1 |
| 10 | 0032581 | 3 Point Coupling | 1 |
| | 0046474 | 2 Point Coupling | 1 |
| 11 | 0017787 | Roll Pin | 1 |
| 12 | 0033052 | Connecting Piece | 1 |
| 13 | 0023607 | Connecting Pin | 1 |

FP 40 VIBRATING HEAD



**SPARE PARTS LIST
FP 40 VIBRATING HEAD**

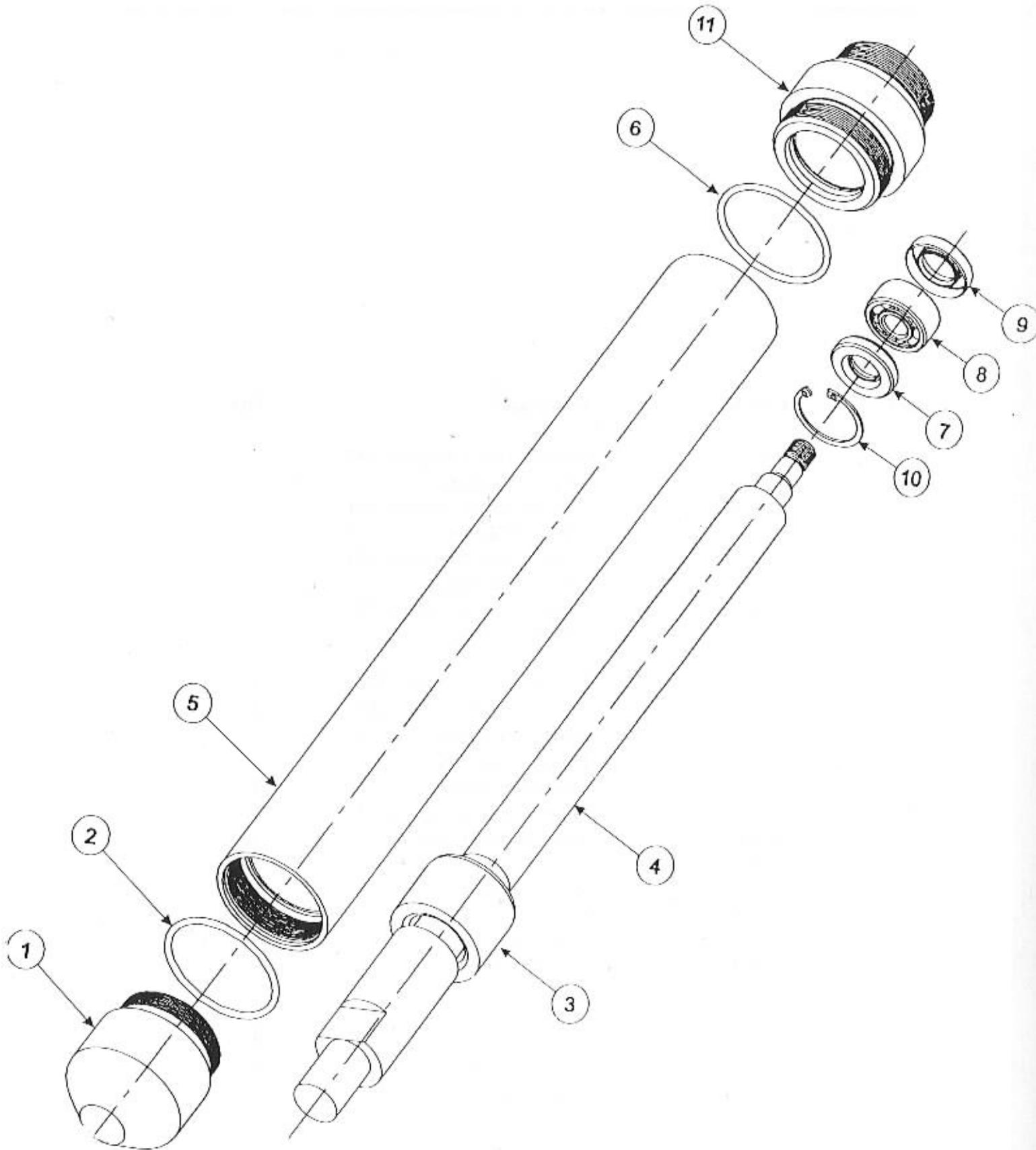
| Ref | Part No | Description | Qty |
|------------|----------------|---|------------|
| | 0049131 | Vibrating Head Complete with 50 Hz Bushing | |
| | 0049995 | Vibrating Head Complete with 60 Hz Bushing | |
| 1 | 0022180 | Steel Nose Cap | 1 |
| | 0056288 | Polyurethane Nose Cap | 1 |
| 2 | 0031397 | O-Ring | 1 |
| 3 | 0022153 | Bushing (50 Hz) | 1 |
| | 0034527 | Bushing (60 Hz) | 1 |
| 4 | 0049129 | Casing | 1 |
| 5 | 0022176 | Pendulum | 1 |
| 6 | 0046752 | Shaft Seal | 1 |
| 7 | 0022184 | Bearing | 1 |
| 8 | 2003542 | Shaft Seal | 1 |
| 9 | 0049127 | Casing Connecting Piece | 1 |



SPARE PARTS LIST
FWP 40/3 - 40/6 - 40/9

| Ref | Part No | Description | Qty |
|------------|----------------|----------------------------|------------|
| | 0056357 | Flexible Shaft Complete 3M | |
| | | 3 Point Coupling | |
| | 0047351 | Flexible Shaft Complete 6M | |
| | | 3 Point Coupling | |
| | 0056115 | Flexible Shaft Complete 6M | |
| | | 2 Point Coupling | |
| | 0056358 | Flexible Shaft Complete 9M | |
| | | 3 Point Coupling | |
| 1 | 0056351 | Inner Core Complete - 3M | 1 |
| | 0046530 | Inner Core Complete - 6M | 1 |
| | 0056352 | Inner Core Complete - 9M | 1 |
| 2 | 0046024 | Hose Connection | 1 |
| 3 | 0045531 | Protective Spiral | 2 |
| 4 | 0056365 | Outer Casing Complete - 3M | 1 |
| | 0046026 | Outer Casing Complete - 6M | 1 |
| | 0056366 | Outer Casing Complete - 9M | 1 |
| 5 | 0046023 | Hose Connection | 1 |
| 6 | 0023350 | Circlip | 1 |
| 7 | 2004768 | Ball Bearing | 2 |
| 8 | 0046472 | Coupling Sleeve | 1 |
| 9 | 0032581 | 3 Point Coupling | 1 |
| | 0046474 | 2 Point Coupling | 1 |
| 10 | 0017787 | Roll Pin | 1 |
| 11 | 0046475 | Connecting Pin | 1 |
| 12 | 0046476 | Connecting Piece | 1 |

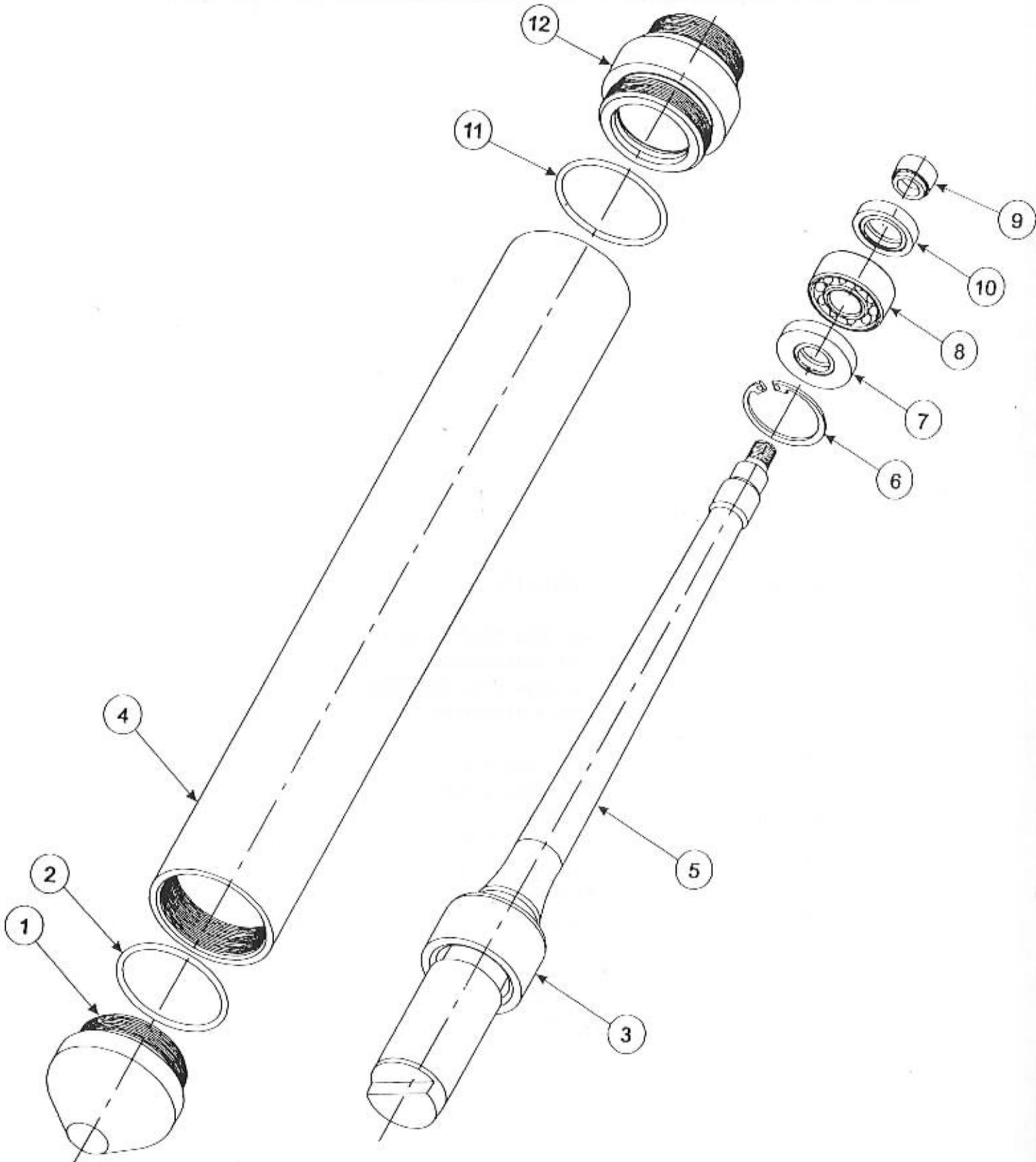
FP 57 VIBRATING HEAD



**SPARE PARTS LIST
FP 57 VIBRATING HEAD**

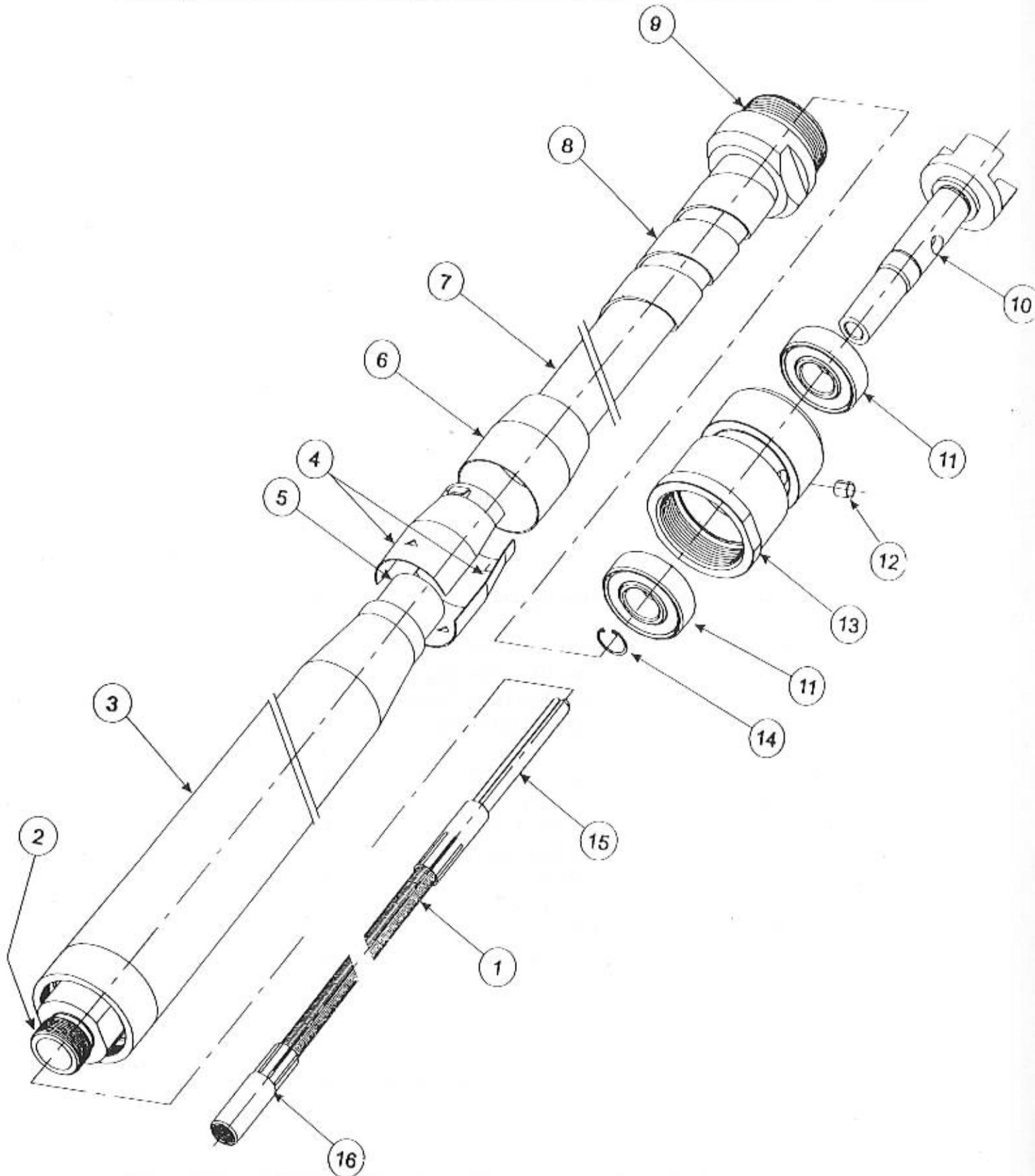
| Ref | Part No | Description | Qty |
|------------|----------------|---|------------|
| | 0046756 | Vibrating Head Complete with 50 Hz Bushing | |
| | 0046773 | Vibrating Head Complete with 60 Hz Bushing | |
| 1 | 0022216 | Steel Nose Cap | 1 |
| | 0056288 | Polyurethane Nose Cap | 1 |
| 2 | 2006780 | O - Ring | 1 |
| 3 | 0022214 | Bushing (50 Hz) | 1 |
| | 0034528 | Bushing (60 Hz) | 1 |
| 4 | 0022217 | Pendulum | 1 |
| 5 | 0046769 | Casing | 1 |
| 6 | 2006780 | O-Ring | 1 |
| 7 | 0046752 | Shaft Seal | 1 |
| 8 | 0022184 | Bearing | 1 |
| 9 | 2003542 | Shaft Seal | 1 |
| 10 | 2001939 | Circlip | 1 |
| 11 | 0046754 | Casing Connecting Piece | 1 |

FP 65 VIBRATING HEAD



**SPARE PARTS LIST
FP 65 VIBRATING HEAD**

| Ref | Part No | Description | Qty |
|------------|----------------|---|------------|
| | 0046757 | Vibrating Head Complete with 50 Hz Bushing | |
| | 0046774 | Vibrating Head Complete with 60 Hz Bushing | |
| 1 | 0023642 | Steel Nose Cap | 1 |
| 2 | 2006781 | O - Ring | 1 |
| 3 | 0023646 | Bushing (50 Hz) | 1 |
| | 0034529 | Bushing (60 Hz) | 1 |
| 4 | 0046772 | Casing | 1 |
| 5 | 0031260 | Pendulum | 1 |
| 6 | 2001045 | Circlip | 1 |
| 7 | 0046753 | Shaft Seal | 1 |
| 8 | 0031245 | Bearing | 1 |
| 9 | 0031242 | Sleeve | 1 |
| 10 | 0045449 | Shaft Seal | 1 |
| 11 | 2006781 | O - Ring | 1 |
| 12 | 0046755 | Casing Connecting Piece | 1 |



SPARE PARTS LIST
FWP 57/3 - 57/6 - 57/9

| Ref | Part No | Description | Qty |
|-----|---------|----------------------------|-----|
| | 0056355 | Flexible Shaft Complete 3M | |
| | | 3 Point Coupling | |
| | 0047353 | Flexible Shaft Complete 6M | |
| | | 3 Point Coupling | |
| | 0056116 | Flexible Shaft Complete 6M | |
| | | 2 Point Coupling | |
| | 0056356 | Flexible Shaft Complete 9M | |
| | | 3 Point Coupling | |
| 1 | 0056351 | Inner Core Complete 3M | 1 |
| | 0046530 | Inner Core Complete 6M | 1 |
| | 0056352 | Inner Core Complete 9M | 1 |
| 2 | 0046024 | Hose Connection | 1 |
| 3 | 0046548 | Hose Reinforcement | 1 |
| 4 | 0046550 | Pair of Half Shells | 1 |
| 5 | 0047648 | Rubber Sleeve | 1 |
| 6 | 0046551 | End Sleeve | 1 |
| 7 | 0056363 | Outer Casing Complete 3M | 1 |
| | 0046759 | Outer Casing Complete 6M | 1 |
| | 0056364 | Outer Casing Complete 9M | 1 |
| 8 | 0045531 | Protective Spiral | 1 |
| 9 | 0046023 | Hose Connection | 1 |
| 10 | 0032581 | 3 Point Coupling | 1 |
| | 0046474 | 2 Point Coupling | 1 |
| 11 | 2004768 | Ball Bearing | 2 |
| 12 | 0017787 | Roll Pin | 1 |
| 13 | 0046472 | Coupling Sleeve | 1 |
| 14 | 0023350 | Circlip | 1 |
| 15 | 0046475 | Connecting Pin | 1 |
| 16 | 0046476 | Connecting Piece | 1 |

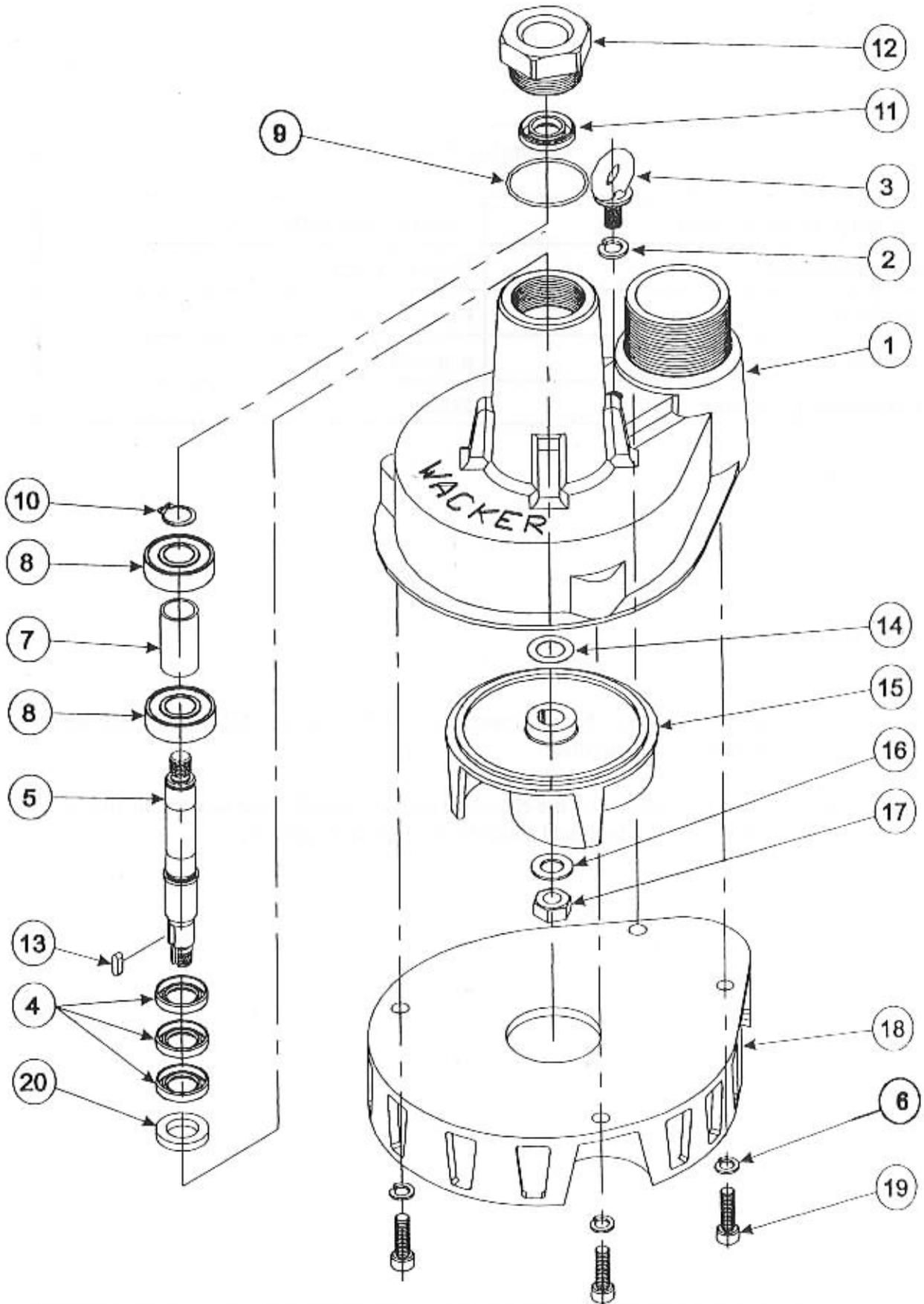
TECHNICAL DATA FOR SUBMERSIBLE PUMPS

| Technical Data SP 55 | |
|-----------------------------|-------------------|
| Capacity in litres per hour | 55000 at 2800 RPM |
| Discharge outlet | 50 mm / 2 inch |
| Solid size | Up to 15 mm |
| Flexible shaft length | 6 or 9 M |
| Revolutions per minute | 2800 |

MAINTENANCE

1. The flexible inner core must be re-greased with SHELL RETINAX AM / or equivalent every 150 hours of working time.
2. Also every 150 working hours the clearance between impeller and strainer should be checked to be 0.5mm or less (add shims under impeller if needed).

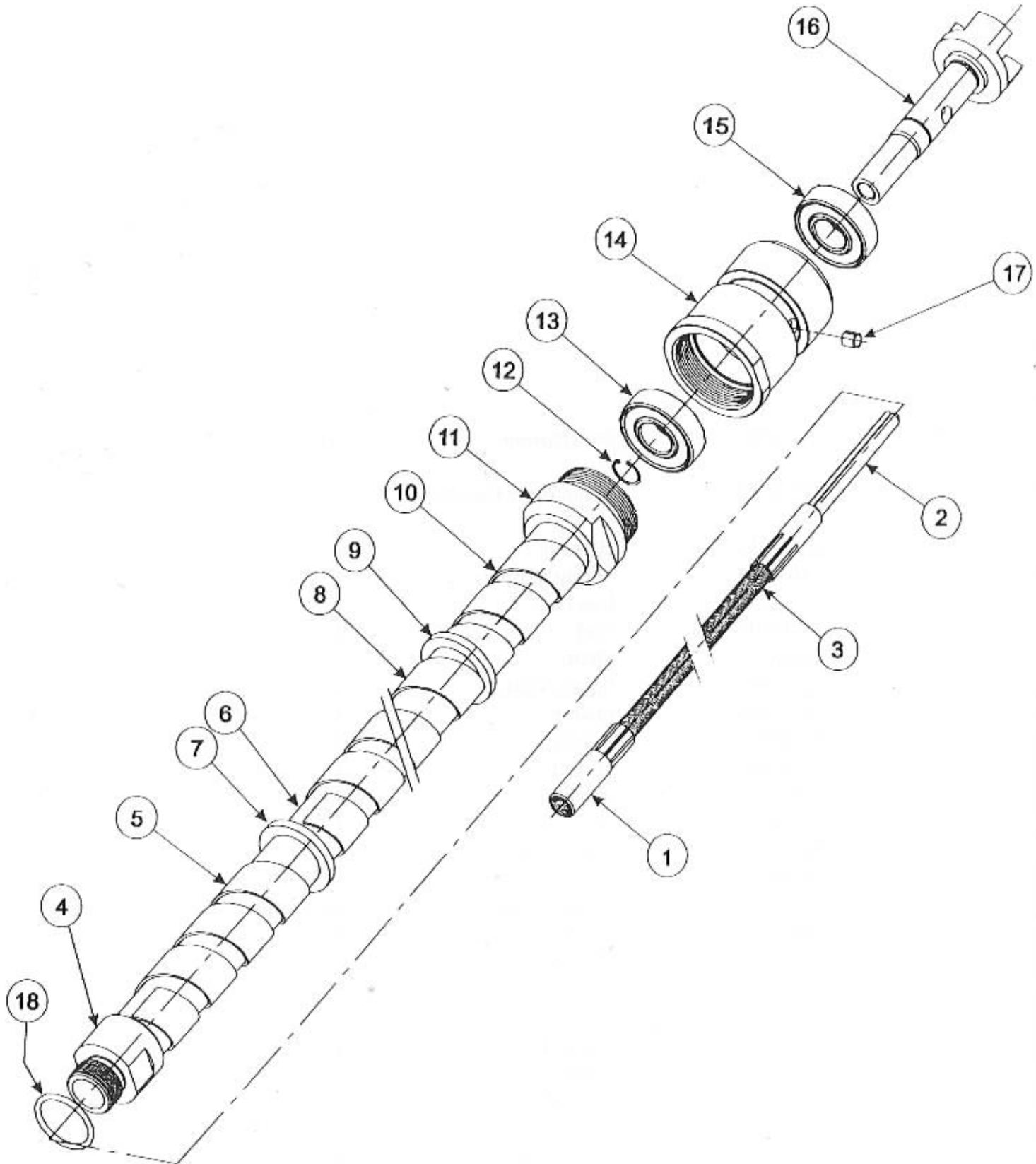
WACKER MODEL : PUMP HEAD- SP55



**SPARE PARTS LIST
PUMP HEAD - SP55**

| Ref | Part No | Description | Qty |
|------------|----------------|----------------------------------|---------------|
| | 0056137 | Pump Body Complete | |
| 1 | 0056136 | Housing | 1 |
| 2 | 0010644 | Spring Washer | 1 |
| 3 | 0056125 | Eye Bolt | 1 |
| 4* | 0042407 | Seal | 3 |
| 5* | 0056283 | Shaft | 1 |
| 6 | 0012397 | Spring Washer | 1 |
| 7 | 0042160 | Spacer | 1 |
| 8* | 0048467 | Bearing | 2 |
| 9* | 0041360 | O-Ring | 1 |
| 10* | 2001038 | Circlip | 1 |
| 11* | 2003542 | Seal | 1 |
| 12 | 0056281 | Connecting Piece | 1 |
| 13* | 2006053 | Key | 1 |
| 14 | 0056199 | Shim (0.5mm) | As required |
| 15 | 0056131 | Impeller | 1 |
| 16 | 0010620 | Washer | 1 |
| 17 | 0010884 | Nut | 1 |
| 18 | 0042403 | Strainer | 1 |
| 19 | 0051543 | Cap Screw | 4 |
| 20 | 0042406 | Washer | 1 |
| 21 | 0012397 | Spring Washer | 1 |
| * | 2900112 | Kamlock Adaptor | 1 (Not Shown) |
| * | 0056686 | Pump Head Repair Kit (Not Shown) | |

WACKER MODEL SP55 : FLEXIBLE SHAFT

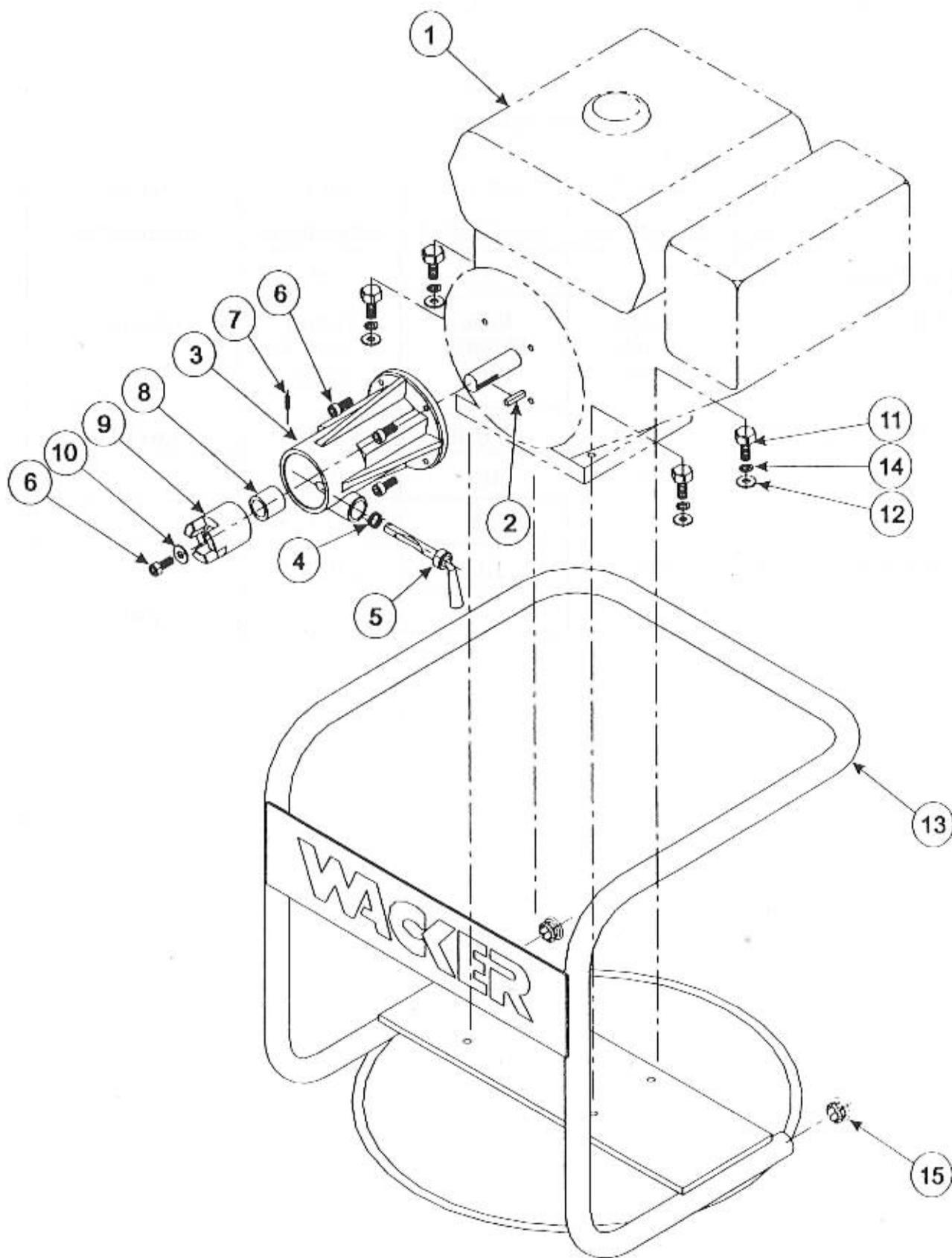


SPARE PARTS LIST
FLEXIBLE SHAFT - SP 55

| Ref | Part No | Description | Qty |
|------------|----------------|--|------------|
| | 0056224 | Shaft Assembly Complete 6M 3 Point Coupling | |
| | 0056360 | Shaft Assembly Complete 9M 3 Point Coupling | |
| | 0056126 | Shaft Assembly Complete 6M 2 Point Coupling | |
| 1 | 0046476 | Connecting Piece | 1 |
| 2 | 0046475 | Connecting Pin | 1 |
| 3 | 0046530 | Inner Core Assembly 6M | 1 |
| | 0056352 | Inner Core Assembly 9M | 1 |
| 4 | 0046024 | Hose Connection | 1 |
| 5 | 0045531 | Protective Spiral | 1 |
| 6 | 0056225 | Outer Casing Assembly 6M | 1 |
| | 0056368 | Outer Casing Assembly 9M | 1 |
| 7 | 0056223 | Rubber Slide Ring | 1 |
| 8 | 0056221 | Sliding Protective Spiral | 1 |
| 9 | 0056223 | Rubber Slide Ring | 1 |
| 10 | 0045531 | Protective Spiral | 1 |
| 11 | 0046023 | Hose Connection | 1 |
| 12 | 0023350 | Circlip | 1 |
| 13 | 2004768 | Bearing | 1 |
| 14 | 0046472 | Coupling Sleeve | 1 |
| 15 | 2004768 | Bearing | 1 |
| 16 | 0032581 | Coupling 3 Point | 1 |
| | 0046474 | Coupling 2 Point | 1 |
| 17 | 0017787 | Roll Pin | 1 |
| 18 | 2004330 | O - Ring | 1 |

TECHNICAL DATA FOR DRIVE UNITS

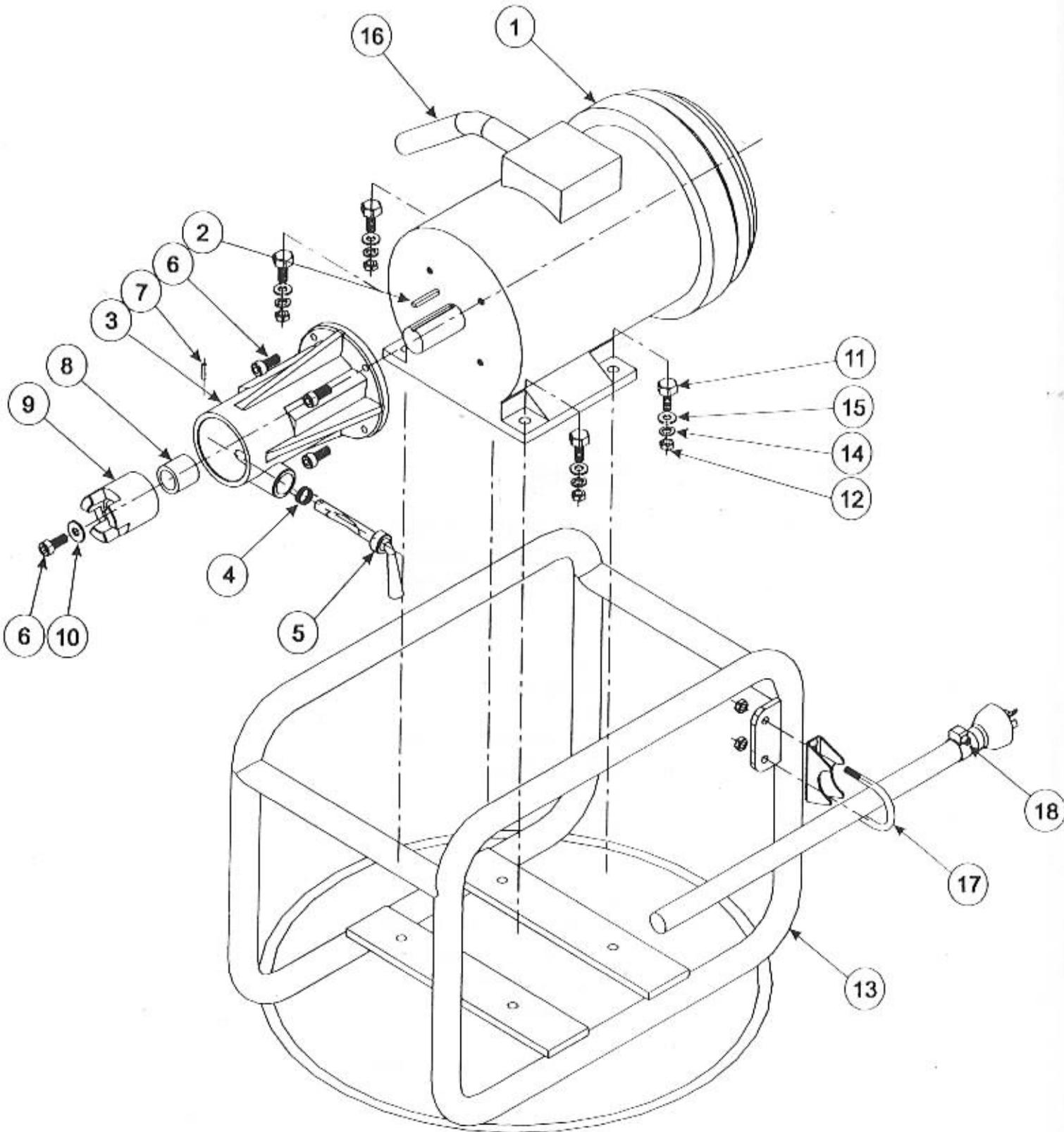
| Technical Data | | | | | |
|-----------------------|-----------------|--------------------------|---------------------------|-----------------------------|---------------|
| | | HD 3.7 | RD 3.7 | YD 3.5 | ED 1.6 |
| L x W x H | mm | 460x460x510 | 460x460x510 | 460x460x510 | 470x460x460 |
| Operating Weight | Kg | 29 | 29 | 39 | 33 |
| Power Source | | Honda GX160 Petrol | Robin EY20DU Petrol | Yanmar L48AE-D Diesel | Electric |
| Performance | kW (HP) | 4.1 (5.5) | 3.7 (5.0) | 3.5 (4.7) | 1.6 (2.1) |
| Cubic Capacity | cm ³ | 163 | 183 | 211 | - |
| Fuel Tank Capacity | l | 3.6 | 3.8 | 2.5 | - |
| Fuel Consumption | l/hr | 0.92 | 1.12 | 0.78 | - |
| Voltage | V | - | - | - | 240 |



SPARE PARTS LIST
DRIVE UNIT - PETROL / DIESEL

| Ref | Part No | Description | Qty |
|-----|-----------|-----------------------------|---------------|
| 1 | 0081265 | Engine for HD 3.7 (Honda) | |
| | 0064329 | Engine for RD 3.7 (Robin) | |
| | 0056387 | Engine for YD 3.5 (Yanmar) | |
| 2 | 0013838 | Key | 1 |
| 3 | 0055026 | Bell Housing | 1 |
| 4 | 0022288 | Trigger Spring | 1 |
| 5 | 0022285 | Trigger | 1 |
| 6 | 0014989 | Cap Screw (Honda/Robin) | 5 |
| | 0011543 | Cap Screw (Yanmar) | 4 |
| 7 | 0056014 | Roll Pin | 1 |
| 8 | 0056252 | Spacer | 1 |
| 9 | 0056251 | Drive Dog - 3 Dog | 1 |
| | 0056716 | Drive Dog - 2 Dog | 1 |
| 10 | 0010374 | Washer | 1 |
| 11 | 0011455 | Hex Hd Screw (Honda/Robin) | 4 |
| | 0011436 | Hex Hd Screw (Yanmar) | 4 |
| 12 | 0010622 | Washer (Honda/Robin) | 4 |
| | 0010621 | Washer (Yanmar) | 8 |
| 13 | 0056639 | Frame including Dish Base | 1 |
| 14 | 0012397 | Spring Washer (Honda/Robin) | 4 |
| 15 | 2900101 | Plug | 4 |
| 16 | * 0010883 | Nut M10 (Yanmar) | 4 (Not Shown) |

DRIVE UNIT - ELECTRIC



**SPARE PARTS LIST
DRIVE UNIT - ELECTRIC**

| Ref | Part No | Description | Qty |
|------------|----------------|---------------------|------------|
| 1 | 0056051 | Electric Motor CPL | 1 |
| 2 | 0013838 | Key | 1 |
| 3 | 0055026 | Bell Housing | 1 |
| 4 | 0022288 | Spring | 1 |
| 5 | 0022285 | Trigger | 1 |
| 6 | 0011543 | Cap Screw | 5 |
| 7 | 0056014 | Roll Pin | 1 |
| 8 | 0056296 | Spacer | 1 |
| 9 | 0055035 | Drive Dog - 3 Point | 1 |
| | 0056127 | Drive Dog - 2 Point | 1 |
| 10 | 0010374 | Washer | 1 |
| 11 | 0011457 | Bolt | 4 |
| 12 | 0010882 | Nut | 4 |
| 13 | 0056100 | Frame | 1 |
| 14 | 0012397 | Spring Washer | 4 |
| 15 | 0010622 | Washer | 4 |
| 16 | 0056098 | Protection Hose | 1 |
| 17 | 0056097 | Clamp Assembly | 1 |
| 18 | 0056099 | Hose Clamp | 1 |
| 19 | * 2900092 | Plug 240 Volt | 1 |

* Not Shown