
UL LISTED. MEETS ALL OSHA SAFETY STANDARDS.

MADE WITH PRIDE
IN THE
USA

OZTEC

FLEXIBLE SHAFTS CONCRETE VIBRATORS

**JOB PROVEN
RUGGED**SM



MODELS 1.2 - 1.8 - 2.4 - 3.2

Your new OZTEC grounded vibrator motor is designed to offer maximum operator safety, outstanding performance and trouble-free operation. It is manufactured from the best materials available under strict quality control standards and tested to and beyond UL specifications.



INSTRUCTION MANUAL

DATE OF PURCHASE:

MODEL NUMBER:

SERIAL NUMBER:

PURCHASED FROM:

SYMBOL DEFINITIONS



WARNING - To reduce the risk of injury, user must read instruction manual.

V Volts

A Amperes

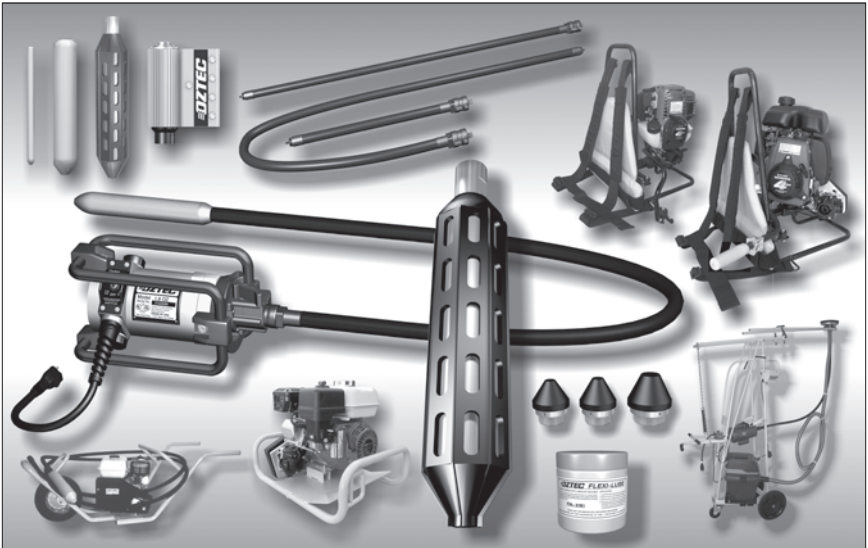
Hz Hertz



Protective Earth

| | |
|--|-------|
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WELCOME



Welcome to the world of OZTEC vibrators. OZTEC pioneered the idea of interchangeable motors, shafts and heads. This allows you to assemble a vibrator that perfectly matches the job. Interchangeable components result in a large saving in reduced parts inventory. You also save more with OZTEC shafts, which are reversible, almost doubling their service life.

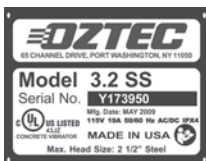
This electric concrete vibrator motor is designed and intended for the consolidation of concrete.

OZTEC MOTOR IDENTIFICATION

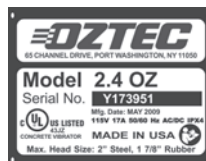
The style of your OZTEC motor can be determined from the nameplate. In the event that the nameplate become unreadable, there is an additional label on the inside of the rear cover, as shown below:

This nameplate shows an OZTEC grounded type motor with adapter style SS for use with STOW type shafts.

This nameplate shows an OZTEC grounded type motor for use with OZTEC style shafts.



I.D. Label on
Inside of Rear Cover



I.D. Label on
Inside of Rear Cover

GENERAL POWER TOOL SAFETY WARNINGS.



WARNING Read all safety warnings and all instructions.

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool.

1) Work area safety

- a) **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*
- b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** *Power tools create sparks which may ignite the dust or fumes.*
- c) **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

2) Electric safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*
- b) **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** *There is an increased risk of electric shock if your body is earthed or grounded.*
- c) **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
- f) **If operating a power tool in a damp location is unavoidable, use a ground fault interruptor (GFCI) protected supply.** *Use of an GFCI reduces the risk of electric shock.*

3) Personal safety

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*
- b) **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*

- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.*
- d) **Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*
- e) **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
- f) **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** *Loose clothes, jewelry or long hair can be caught in moving parts.*
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*

4) Power tool use and care

- a) **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*
- b) **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
- c) **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users.*
- e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*
- f) **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
- g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from those intended could result in a hazardous situation.*

5) Service

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the power tool is maintained.*

Save all warnings and instructions for future reference.

AVERTISSEMENTS DE SÉCURITÉ GÉNÉRAUX SUR LES OUTILS ÉLECTRIQUES



AVERTISSEMENT Lire les avertissements de sécurité et les instructions au complet.

L'inobservation des avertissements et des instructions peut entraîner une décharge électrique, un incendie et/ou de graves blessures.

Conserver tous ces avertissements et ces instructions pour référence ultérieure.

Le terme « outil électrique » dans les avertissements fait référence aux outils électriques à main (avec cordon d'alimentation).

1) Sécurité de l'aire de travail

- a) **Garder l'aire de travail propre et bien éclairée.** *Les endroits encombrés ou sombres sont propices aux accidents.*
- b) **Ne pas faire fonctionner d'outils électriques dans des atmosphères explosives, par exemple, en présence de liquides, de gaz ou de poussières inflammables.** *Les outils électriques créent des étincelles qui peuvent enflammer la poussière ou les vapeurs.*
- c) **Tenir les enfants et les personnes se trouvant à proximité loin de l'outil en marche.** *Les distractions peuvent causer une perte de maîtrise de l'outil.*

2) Sécurité électrique

- a) **Les fiches d'outils électriques doivent correspondre à la prise de courant. Ne jamais modifier la fiche de quelque façon que ce soit. Ne pas utiliser de fiche d'adaptation avec des outils électriques mis à la terre.** *Les fiches non modifiées et les prises de courant correspondantes réduiront le risque de décharge électrique.*
- b) **Éviter tout contact du corps avec des surfaces mises à la terre comme des tuyaux, des calorifères, des cuisinières et des réfrigérateurs.** *Le risque de décharge électrique est accru si votre corps est mis à la terre.*
- c) **Ne pas exposer des outils électriques à la pluie ou à des conditions mouillées.** *L'eau qui pénètre dans un outil électrique accroît le risque de décharge électrique.*
- d) **Ne pas utiliser le cordon de manière inappropriée. Ne jamais se servir du cordon d'alimentation pour transporter, tirer ou débrancher l'outil électrique en tirant. Garder le cordon à l'écart de la chaleur, de l'huile, de bords coupants ou de pièces mobiles.** *Les cordons endommagés ou enchevêtrés augmentent le risque de décharge électrique.*

e) Lors du fonctionnement d'un outil électrique à l'extérieur, se servir d'un cordon prolongateur adapté à un usage extérieur. *L'usage d'un cordon adapté à une utilisation extérieure réduit le risque de décharge électrique.*

f) Si l'utilisation d'un outil électrique dans un lieu humide est inévitable, se servir d'une alimentation protégée par disjoncteur de fuite de terre. *L'utilisation d'un disjoncteur de fuite de terre réduit le risque de décharge électrique.*

3) Protection personnelle

a) Rester alerte, surveiller son travail et faire preuve de bon sens lors du fonctionnement d'un outil électrique. Ne pas se servir d'un outil électrique en cas de fatigue extrême ou de facultés affaiblies sous l'effet d'une drogue, d'alcool ou d'un médicament. *Un moment d'inattention lors du fonctionnement d'un outil électrique suffit à entraîner de graves blessures corporelles.*

b) Porter un équipement de protection personnelle. Porter en tout temps une protection oculaire. *Un équipement de protection comme un masque antipoussières, des chaussures à semelles antidérapantes, un casque de protection ou un dispositif de protection antibruit, utilisés dans des conditions appropriées, réduira les blessures corporelles.*

c) Prévenir un démarrage non intentionnel. S'assurer que l'interrupteur est en position d'arrêt avant de brancher l'outil électrique à la source d'alimentation ou au bloc-piles, de ramasser l'outil ou de le transporter. *Le transport d'un outil électrique alors que votre doigt est posé sur l'interrupteur ou la mise sous tension d'un outil dont l'interrupteur est en position de marche risque de provoquer un accident.*

d) Enlever toute clé de réglage ou autre type de clé avant de mettre en marche l'outil électrique. *Une clé de réglage ou autre type de clé restée attachée à une pièce mobile de l'outil électrique peut entraîner des blessures corporelles.*

e) Ne pas trop se pencher pour atteindre quelque chose. Garder une bonne prise au sol et son équilibre en tout temps. *Cela permet une meilleure maîtrise de l'outil dans des situations inattendues.*

f) Porter des vêtements adéquats. Ne pas porter de vêtements lâches ou de bijoux. Garder les cheveux, les vêtements et les gants à l'écart des pièces mobiles. *Les vêtements lâches, les bijoux et les cheveux longs peuvent se prendre dans les pièces mobiles.*

g) Si des dispositifs sont fournis pour le raccordement à des installations d'extraction ou de ramassage de la poussière, s'assurer que ces dispositifs sont connectés et utilisés de manière appropriée. *L'utilisation d'un dispositif de ramassage de la poussière peut réduire les risques liés à la poussière.*

4) Utilisation et entretien des outils électriques

a) Ne pas forcer l'outil électrique. Se servir du bon outil électrique pour votre application. Le bon outil électrique fera mieux le travail et de manière plus sécuritaire, à l'intensité à laquelle il a été conçu.

b) Ne pas servir d'un outil électrique si l'interrupteur marche-arrêt ne fonctionne plus.

Tout outil électrique qui ne peut être commandé par son interrupteur est dangereux et doit être réparé.

c) Débrancher la fiche de l'outil électrique de la source d'alimentation ou du bloc-piles avant de faire tout réglage, de changer d'accessoire ou de ranger l'outil électrique. De telles mesures de sécurité réduisent le risque de démarrage accidentel de l'outil électrique.

d) Ranger les outils électriques non utilisés hors de portée des enfants et ne pas permettre à une personne qui ne s'est pas familiarisée avec ces instructions ou l'outil de faire fonctionner ce dernier. Les outils électriques sont dangereux entre les mains d'utilisateurs non formés.

e) Assurer l'entretien des outils électriques. Inspecter l'outil pour tout désalignement ou grippage des pièces mobiles et toute autre condition pouvant compromettre le bon fonctionnement de l'outil électrique. En cas de dommages, faire réparer l'outil électrique avant de s'en servir. De nombreux accidents sont causés par des outils électriques mal entretenus.

f) Garder les outils de coupe propres et acérés. Les outils de coupe bien entretenus aux bords acérés sont moins susceptibles de se coincer et sont plus faciles à manipuler.

g) Utiliser l'outil électrique, ses accessoires et ses embouts conformément à ces instructions, en tenant compte de la tâche à accomplir et des conditions dans lesquelles elle sera effectuée.

L'utilisation d'un outil électrique à d'autres fins que l'usage auquel il a été prévu peut entraîner une situation dangereuse.

5) Service

a) Faire réparer tout outil électrique par un réparateur compétent qui utilise uniquement des pièces de rechange identiques à celles de votre outil. Cela garantira la sécurité de l'outil électrique.

Conserver tous ces avertissements et ces instructions pour référence ultérieure.

WARNING

READ ALL INSTRUCTIONS



WHEN SERVICING, USE ONLY IDENTICAL REPLACEMENT PARTS.

When using electric vibrators, basic safety precautions should always be followed to eliminate the risk of electric shock, fire, personal injury and property damage.

Any tool not in proper working order, or one that develops a defect, should not be used until properly repaired.

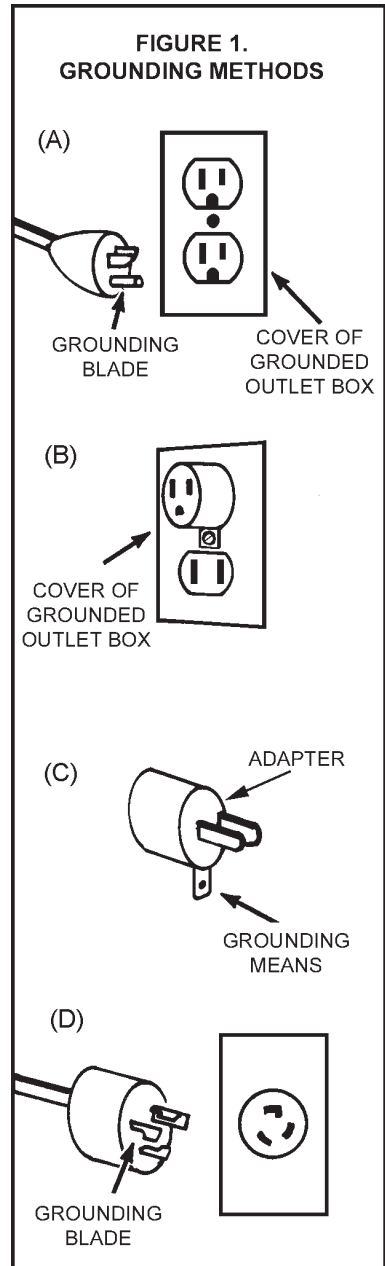
FOR ALL GROUNDED TOOLS GROUNDING INSTRUCTIONS

This tool should be grounded while in use to protect the operator from electric shock.

The tool is equipped with a 3-conductor cord and a 3-prong grounding type plug to fit the proper grounding type receptacle. The green (or green and yellow) conductor in the cord is the grounding wire. Never connect the green (or green and yellow) wire to a live terminal.

- If your unit is for use on less than 150 volts, it has a plug that looks like that shown in sketch [A].
- If your unit is for use on 150 to 250 volts, it has a plug that looks like that shown in sketch [D].
- An adapter, shown in sketches [B] and [C] is available for connecting sketch [A] type plugs to 2-prong receptacles. The green colored rigid ear, lug, or the like, extending from the adapter must be connected to a permanent ground, such as a properly grounded outlet box.
- No adapter is available for a plug as shown in sketch [D].

See page 11 for extension cord specs.



AVERTISSEMENT

LIRE CES INSTRUCTIONS AU COMPLET



LORS D'UNE INTERVENTION SUR L'OUTIL, UTILISER UNIQUEMENT DES PIÈCES DE RECHANGE IDENTIQUES À CELLES DE L'OUTIL.

Lors de l'utilisation de vibrateurs électriques, des précautions élémentaires doivent être prises afin d'éliminer le risque de décharge électrique, d'incendie, de blessures corporelles et de dommages matériels.

Tout outil en mauvais état ou défilant ne doit pas être utilisé avant d'avoir été réparé.

POUR TOUS LES OUTILS MIS À LA TERRE

INSTRUCTIONS DE MISE À LA TERRE

Cet outil doit être mis à la terre pendant son utilisation afin de protéger l'opérateur contre toute décharge électrique.

L'outil est équipé d'un cordon à trois fils conducteurs et d'une fiche de mise à la terre à trois broches qui s'adapte à la prise de mise à la terre appropriée. Le fil vert (ou vert et jaune) dans le cordon est le fil de mise à la terre. Ne jamais connecter le fil vert (ou vert et jaune) à une borne sous tension.

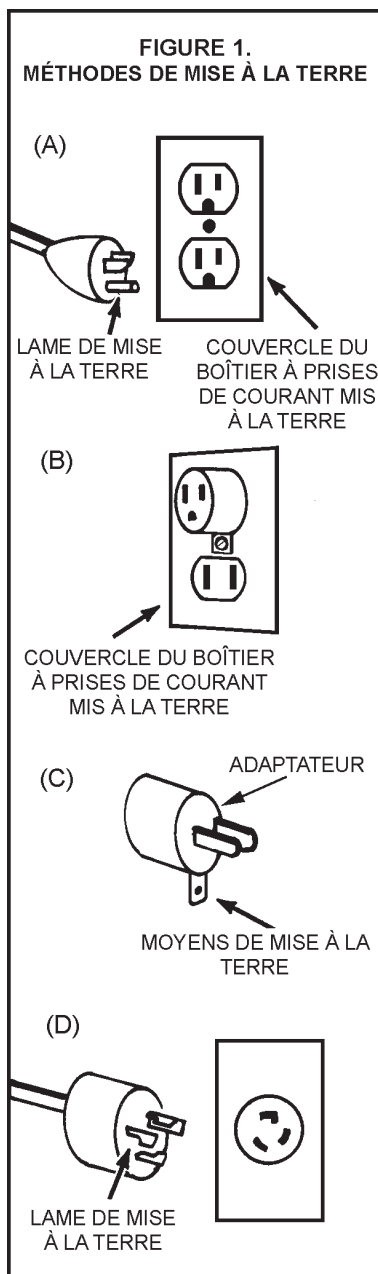
- Si votre unité est prévue pour fonctionner à moins de 150 V, sa fiche ressemblera au dessin [A].

- Si votre unité est prévue pour fonctionner à une tension entre 150 V et 250 V, sa fiche ressemblera au dessin [D].

- Un adaptateur, montré dans les dessins [B] et [C] est offert pour connecter les fiches de type [A] à des prises à deux broches. L'oreillette verte rigide, la languette ou toute pièce similaire, qui s'étend vers l'extérieur de l'adaptateur, doit être connectée à une masse permanente, comme un boîtier à prises de courant adéquatement mis à la terre.

- Aucun adaptateur n'est offert pour une fiche comme celle montrée dans le dessin [D].

Voir la page 11 pour les spécifications du cordon prolongateur.

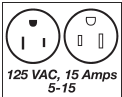


OZTEC POWER UNITS ELECTRICAL SPECIFICATIONS.

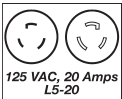


- Oztec Electric Motors operate on 115V single phase 60-cycle (230V optional).
- They will also operate on 50-cycle AC current.
- All Motors have AC/DC universal Windings
- Frequencies range from 10,000 to 12,000 vibrations per minute.

PLUGS AND RECEPTACLES FOR OZTEC POWER UNITS



OZTEC Models 1.2 and 1.8 have a male 15A plug (NEMA 5-15P), which plugs into a 15A female receptacle (NEMA 5-15R).



OZTEC Models 2.4 and 3.2 have a male 20A plug (NEMA L5-20P), which plugs into a 20A female receptacle (NEMA L5-20R).

EXTENSION CORDS

- Use only 3-wire extension cords that have 3-prong grounding-type plugs and 3-pole receptacles that accept the tool's plug. Repair or replace damaged cords.
- Always use the right extension cord, too light an extension cord can cause poor performance and motor burn out.

MINIMUM GAGE FOR EXTENSION CORDS, PER UL SPECIFICATIONS

| OZTEC Model | Amperes @120V | 50 ft | 100ft | 150ft | 200ft | 300ft |
|-------------|---------------|-------|-------|-------|-------|-------|
| 1.2 | 9 | 14 | 14 | 12 | 10 | 8 |
| 1.8 | 15 | 14 | 12 | 10 | 8 | 8 |
| 2.4 | 17 | 14 | 12 | 8 | 8 | 8 |
| 3.2 | 19 | 12 | 12 | 8 | 8 | 6 |

ASSEMBLING UNIT.



IMPORTANT: UNPLUG the motor and turn the SWITCH OFF before performing any maintenance, or fitting any components to the motor.

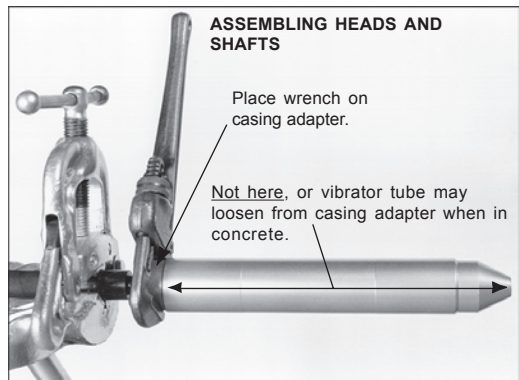
Assembling shaft to motor:

1. Oztec's Quick Disconnect feature allows shaft attachment and removal from the power unit with the twist of a lever. The lightweight and bearing-less coupling allows the job to be done in seconds without any tools.
2. This fitting will never rust or seize.



Assembling Head to Shaft:

1. Clamp the head and casing coupling in a vice.
2. Coat threads with a sealant such as Loctite or Permatex to prevent water from entering head.
3. Push core toward motor end to make certain it is still seated in the motor. Insert inner core into head core adapter.
4. Thread head on and securely tighten with pipe wrench. See sketch for proper placement of pipe wrench.
5. When replacing head make sure the entire head is removed from shaft or your new head will not attach.



NOTES:

- Flexible shafts are lubricated at the factory from one end. Attach the greased end to the motor (marked with an identification tag).
- Oztec Flexible Shafts are all interchangeable on all Oztec Power Units, are reversible, and come supplied with "Quick Change" adapters.
- During the first few minutes of operation, the grease travels toward the head end spreading evenly along the shaft. During this break in period the shaft will turn slower than normal and could rattle and cause the motor to draw more current. After this initial break in period the unit will run smooth and quiet.

OPERATING INSTRUCTIONS.

- Match vibrator motor, shaft and head to the job. Select the largest vibrator suitable for the job. Select the shortest shaft possible to do the job to assure maximum power to the vibrator head.
- Avoid sharp bends in the flexible shaft for highest efficiency.

To turn unit ON, actuate toggle switch to "I" position.

To turn unit OFF, actuate toggle switch to "O" position.



- Insert the vibrator vertically, allow it to sink to the desired depth by its own weight; forcing it may lock it between rebar.
- Hold the vibrator 5-15 seconds then slowly lift vibrator up, staying behind the trapped air's upward movement, allowing about 15 seconds for a 2 foot distance, to avoid retrapping air.
- A slight up and downward movement will close the hole formed by the vibrator.
- Withdraw the vibrator quickly when near the top, to prevent churning air into the top layer.
- Move vibrator and re-insert at a distance of 1 1/2 times the Radius of Action.
- Allow vibrator to penetrate 3 to 6 inches into the preceding layer to knit the two layers together to prevent "lift lines" when forms are removed.
- Try to limit pours to 2 feet high, so air has less resistance to escape.
- Do not use Vibrator to move concrete laterally.... it causes segregation (use a shovel). Place vibrator in center of mounds to knock them down.
- **Never** operate head out of the mix for more than a few minutes to prevent overheating. Wet concrete keeps head at proper operating temperature.

MAINTENANCE AND SERVICING.



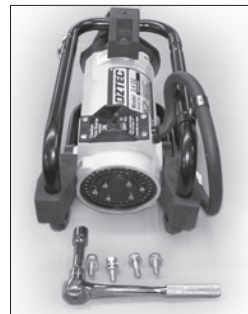
IMPORTANT: UNPLUG the motor and turn the **SWITCH OFF** before performing any maintenance, or fitting any components to the motor.



WHEN SERVICING USE ONLY IDENTICAL REPLACEMENT PARTS. MAINTENANCE SHOULD BE PERFORMED ONLY BY QUALIFIED PERSONNEL.

MOTORS

- Wipe motor clean to prevent concrete build up.
- Clean intake and exhaust baffles to insure airflow.
- Replace yellow filter material if clogged.
- When removing and then replacing yellow filter, make sure material is evenly replaced around housing without large gaps.
- Check brushes periodically for wear.
- Inspect commutator through access port after every 100 hours of use. With motor running, check for excessive sparking. If excessive sparking is present, clean the commutator with an OZTEC industrial rated commutator cleaner. (Part number 27A1)
- **Electric Switch Replacement**
 - Remove all 4 screws that attach motor to motor frame using an 1/2" hex socket.
 - Remove motor from motor mounts so switch is easily accessible.
 - Remove all 4 screws that attach switch plate to motor and lift switch plate straight up.
 - Remove rubber boot that hold switch into switch plate, using a 5/8" deep socket.
 - Remove screws that hold wire terminals to switch.
 - Replace switch only with an identical replacement.
 - To re-assemble motor, reverse removal instructions.



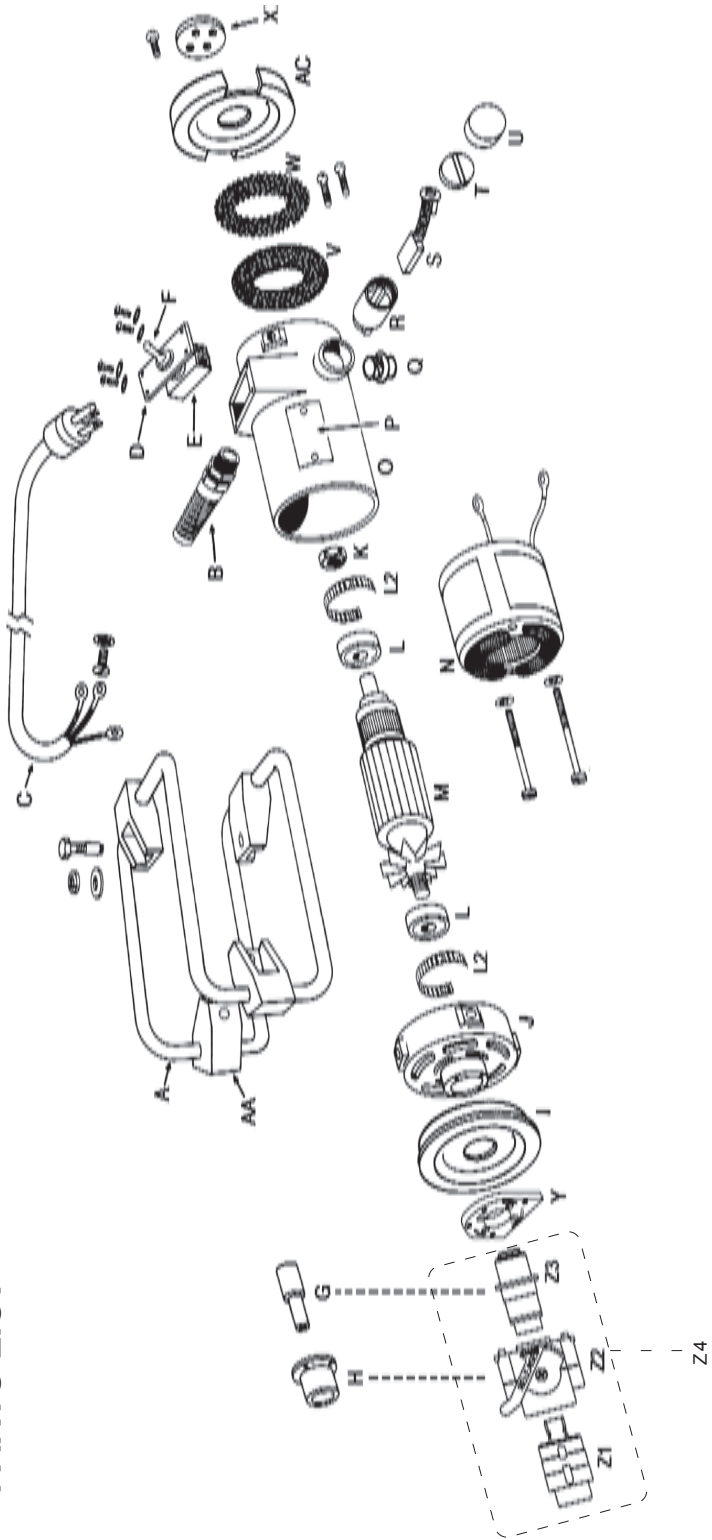
FLEXIBLE SHAFTS

- Lubricate the flexible shaft assembly after every 40 hours of operation to prevent dry spots that cause overheating. Remove the inner core and wipe clean. Coat core with 1/16" layer of OZTEC FLEXI-LUBE (1 lb. container Part Number 21B1, 5 lb. container Part Number 21C1) Do not over lubricate since this will shorten the life of the shaft.
- Reverse shafts at regular intervals to extend service life.
- Replace worn or broken casing to prevent damage to core and head.
- Avoid sharp bends in flexible shaft, not only in operation but also when storing.
- Don't use flexible shaft to pull the motor.
- Never install a new core in a kinked casing or a kinked core in a new casing. The parts will be ruined instantly.

VIBRATOR HEADS

- All Heads are factory sealed so they require no maintenance.
- After using Rubber Heads always wash or vibrate head in water. Hardened concrete will prevent cooling and damage epoxy coating on rebar.

**MOTOR ASSEMBLY
PARTS LIST**



| OZTEC MOTOR STYLE | G. CORE ADAPTER | H. CASING ADAPTER | K. NUT |
|-------------------|-----------------|-------------------|--------|
| D | 271F1 | 270AA1 | 72AJ1 |
| JE | 271S1 | 270M1 | 72AJ1 |
| QE | 271CX1 | 270EX1 | 72AJ1 |
| CE | 271FK1 | 270LB1 | 72AJ1 |
| DP | 271FA1 | 270KL1 | 72AJ1 |
| ST | 271M1 | 270S1 | 72AJ1 |
| S | 271C1 | 270N1 | 72AJ1 |
| SS | 271K1 | 270Y2 | 72AJ1 |
| MM | 271N3 | 270W1 | 72AH1 |
| MV | 271H1 | 270AC1 | 72AH1 |
| M | 271L1 | 270K1 | 72AH1 |
| MIK | 271QP1 | 270EC1 | 72AJ1 |
| OZ | 271N4 | 270P2 | 72AH1 |
| DVS | 271N4 | 270P1 | 72AJ1 |
| RL | 271D2 | 270AB1 | 72AJ1 |
| R | 271P1 | 270AB1 | 72AJ1 |
| T | 271N2 | 270T1 | 72AJ1 |
| TT | 271V1 | 270AD1 | 72AJ1 |
| V | 271N4 | 270R1 | 72AJ1 |
| W | 271D1 | 270V1 | 72AH1 |
| WW | 271D1 | 270X1 | 72AH1 |
| WS | 271EV1 | 270V1 | 72AH1 |
| WL | 271EV1 | 270X1 | 72AH1 |

NOTE:
CORD ASSEMBLY (PART No. 174BG1) IS "TWIST LOCK"
TYPE - NEMA CODE P.

| Ref. # | Description | MODEL 1.2 Part # | MODEL 1.8 Part # | MODEL 2.4 Part # | MODEL 3.2 Part # |
|--------|-----------------------------|------------------|------------------|------------------|------------------|
| A | FRAME ASSEMBLY | 6825EW1 | 6825EW2 | 6825EW2 | 6825EW3 |
| AA | SHOCK MOUNT | 319B2 | 319A2 | 319A2 | 319A2 |
| AC | RAIN CAP | --- | --- | --- | 329K1 |
| B | STRAIN RELIEF ASSEMBLY | 334D2 | 334D2 | 334D2 | 334D2 |
| C | CORD ASSEMBLY | 174BF1 | 174BF1 | 174BG1 | 174BG1 |
| D | SWITCH PLATE ASSEMBLY | 102A12 | 102A12 | 102A12 | 102A12 |
| E | SWITCH | 177A1 | 177A1 | 177A1 | 177A1 |
| F | RUBBER BOOT (SWITCH) | 34A1 | 34A1 | 34A1 | 34A1 |
| G & H | CORE & CASING ADAPTER | SEE CHART | --- | --- | --- |
| I | BAFFLE ASSEMBLY | 46G1 | 46G2 | 46G3 | 46G3 |
| J | END BELL | 324A1 | 324B1 | 324C1 | 324C1 |
| K | NYLON INSERT LOCKNUT | SEE CHART | --- | --- | --- |
| L | BEARINGS (2) | 207R1 | 207S1 | 207S1 | 207S1 |
| L2 | TOLERANCE RING (2) | 173D1 | 173E1 | 173E1 | 173E1 |
| M 115V | ARMATURE 115V | 6825B1 | 6825C1 | 6825D1 | 6825E1 |
| 230V | ARMATURE 230V (Non-UL) | N/A | 6825C2 | 6825D2 | 6825E2 |
| N 115V | FIELD 115V | 221A1 | 221B1 | 221C1 | 221D1 |
| 230V | FIELD 230V (Non-UL) | N/A | 221F1 | 221G1 | 221H1 |
| O | HOUSING | 368J1 | 368K1 | 368L1 | 368L1 |
| P | NAME PLATE | NOT SOLD | --- | --- | --- |
| Q | ACCESS PORT PLUG | 444C1 | 444C1 | 444C1 | 444C1 |
| R | BRUSH HOLDER | 178A1 | 178A2 | 178A3 | 178A3 |
| S | BRUSH | 240A1 | 240A2 | 240A2 | 240A3 |
| T | SCREW CAP | 329B1 | 329B2 | 329B2 | 329B2 |
| U | PROTECTIVE CAP, THREADED | 329E1 | 329E2 | 329E2 | 329E2 |
| V | FILTER | 47A1 | 47A2 | 47A2 | 47A3 |
| W | FILTER SCREEN | 49A1 | 49A2 | 49A2 | 49A3 |
| X | COVER | 346B1 | 346B1 | 346B1 | 346B1 |
| Y | Q.D. SPACER | 462AM1 | 462AM1 | 462AM1 | 462AM1 |
| Z1 | OZ QD CASING COUPLING ASSY. | 217A1 | 217A1 | 217A1 | 217A1 |
| Z2 | OZTEC QD CORE ADAPTER ASSY. | 270WX1 | 270WX1 | 270WX1 | 270WX1 |
| Z3 | OZTEC QD CORE ADAPTER ASSY. | 271GT1 | 271GT1 | 271GT1 | 271GT1 |
| Z4 | OZTEC QD KIT | OZQDKIT1.2 | OZQDKIT1.8 | OZQDKIT2.4 | OZQDKIT3.2 |

CORE AND CASING ADAPTER REPLACEMENT INSTRUCTIONS



IMPORTANT: UNPLUG the motor and turn the SWITCH OFF before performing any maintenance, or fitting any components to the motor.

TO IDENTIFY CORE AND CASING ADAPTERS

OZTEC concrete vibrator motors can be fitted with different adapters to allow other manufacturers flexible shafts and heads to be used with Oztec motors. The style of your OZTEC motor can be determined from the nameplate, with some having Left Hand rotation and some having Right Hand rotation. Below are shown some, but not limited to, of the styles availables.

Attach to Brush End of Motor

- DV** Dunrite Style
- JE, QE** Dreyer Style
- MK** Mikasa Style
- R, RL** Remington Style
- SS, ST** Stow, Wacker Styles
- T** Stone, Thor Styles
- V** Viber Style

Note: Armature threads are **RH** this side of motor.



Attach to Fan End of Motor

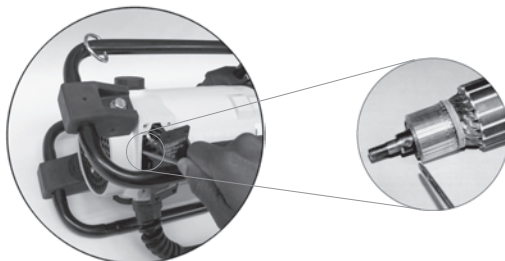
- MM** Master Style
- OZ** Oztec Style
- W, WW** Wyco Styles
- WS, WL** Wyco Styles

Shown Oztec Standard Quick Disconnect (QD).

Note: Armature threads are **LH** this side of motor.

TO REPLACE CORE AND CASING ADAPTERS

- 1) Remove casing adapter by removing the 4 screws from the flange of the adapter.
- 2) If your motor has an Oztec style Q.D. (quick disconnect), you must also remove the Q.D. Spacer located immediately behind the Q.D. Casing adapter.
- 3) Remove the 4 screws that attach the switch plate to the motor, and pull switch plate to the side. On some models the motor has to be removed from frame to move switch plate out of the way, see page 10 for instructions.
- 4) Insert a 3/16 drift through the port and into the hole in the armature shaft. This hole is located behind the commutators on the armature (as shown in photo detail below).
- 5) The core adapter normally will unscrew off of the armature. If it is attached to the fan end of the motor, turn the adapter clockwise to remove it. If on the brush side of the motor, then turn counter-clockwise. To remove an Oztec Q.D. core adapter, use a channel lock on the aluminum surface and turn clockwise to remove it.
- 6) When changing styles of adapters on your motor, refer to the photo at the top of the page. Styles "OZ" (threaded or 'Q.D. '), "MM", "W", "WW", "WL" AND "WS" will be attached to the fan side of the motor. All other styles mount on the brush side of the motor.
- 7) If there is a cover, a black disc with 4 screws where you need to mount your new adapters, simply remove it and attach this cover to the opposite side of the motor. This will help prevent concrete from entering the motor and damaging the internal components.
- 8) Attach your new core adapter by turning accordingly. For styles "OZ", "MM", "W", "WW", "WL" & "WS" turn counter-clockwise onto the fan side. All other styles attach clockwise onto the brush side.
- 9) Remove the 3/16 drift, and re-attach the switch plate.
- 10) Replace the old baffle if it does not have the cut-out to accommodate the lever of the Oztec Q.D. casing adapter.
- 11) Attach the Oztec Q.D. spacer plate ONLY if installing the Oztec style Q.D. systems!
- 12) Attach the new casing adapter with the 4 screws.



FLEXIBLE SHAFTS

HEADS

| Length (Ft.) | Shaft Assy. Part # | Inner core Part # | Outer Casing Part # | Vibrator Heads | |
|-----------------|-----------------------|----------------------|------------------------|---|--------|
| | | | | Dia. (In) | Part # |
| 3 | FSP 03 OZ | CP 03 OZ | CASP 03 OZ | Can be used with any length Pencil Shaft on the left. 3/4 HP 075 OZ | |
| 6 | FSP 06 OZ | CP 06 OZ | CASP 06 OZ | | |
| 9 | FSP 09 OZ | CP 09 OZ | CASP 09 OZ | | |
| 11 | FSP 11 OZ | CP 11 OZ | CASP 11 OZ | | |
| 15 | FSP 15 OZ | CP 15 OZ | CASP 15 OZ | | |
| 20 | FSP 20 OZ | CP 20 OZ | CASP 20 OZ | Can be used with any length Standard Shaft on the left. 1 H 100 OZ 1-1/4 H 125 OZ 1-1/2 H 150 OZ 1-3/4 H 175 OZ 2 H 200 OZ 2-1/2 H 250 OZ 1-1/2 HR 150 OZ 1-7/8 HR 188 OZ 2-1/2 HR 250 OZ 2-3/4 HR 275 OZ 2-3/4 Short HSR 275 OZ | |
| 2 | FS 02 OZ | C 02 OZ | CAS 02 OZ | | |
| 5 | FS 05 OZ | C 05 OZ | CAS 05 OZ | | |
| 7 | FS 07 OZ | C 07 OZ | CAS 07 OZ | | |
| 10 | FS 10 OZ | C 10 OZ | CAS 10 OZ | | |
| 12 | FS 12 OZ | C 12 OZ | CAS 12 OZ | | |
| 14 | FS 14 OZ | C 14 OZ | CAS 14 OZ | | |
| 16 | FS 16 OZ | C 16 OZ | CAS 16 OZ | | |
| 18 | FS 18 OZ | C 18 OZ | CAS 18 OZ | | |
| 21 | FS 21 OZ | C 21 OZ | CAS 21 OZ | | |

Standard Shafts normally coupled to 42 feet. Use Shaft Coupling P/N.: 6725A1. Successful lengths to 65 feet. Pencil Shafts can not be coupled together, but can be lengthened, by coupling to a Standard Shaft with Coupling P/N.: 6725A1.

RECOMMENDED MAXIMUM HEAD SIZE

| MODEL | Amperes | HP | STEEL | "RUBBER" |
|-------|---------|-------|--------|--------------|
| 1.2 | 9 | 1 1/4 | 1-1/2" | None |
| 1.8 | 15 | 1 3/4 | 1-3/4" | None |
| 2.4 | 17 | 2 1/4 | 2" | 2-3/4" Short |
| 3.2 | 19 | 3 1/4 | 2-1/2" | 2-3/4" |

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Limited Lifetime Warranty. Your satisfaction is guaranteed!

Over 40 years of developing and manufacturing concrete vibrators. OZTEC has earned a reputation of delivering the most reliable and productive equipment to consolidate concrete.

If there is any defect in workmanship or materials, OZTEC will repair or replace the part at no charge, for the life of the equipment. This excludes failure caused by normal wear and tear of the product. Other exclusions may apply.

Exclusion from Warranty considerations includes, but not limited to, the following conditions.

- Normal wear and tear.
- Abuse or misuse of equipment.
- Act of nature (God).
- Lack of maintenance (rinsing of Rubber Heads, changing brushes, filters, etc.).
- Use of after-market replacement parts and/or components.

All warranty claims must be shipped prepaid to OZTEC's factory with a copy of the OZTEC invoice, packing slip, or a copy of the dealer's invoice, along with the merchandise and the RGA number.

An **RGA number MUST** be obtained directly from OZTEC **BEFORE** sending back the merchandise. To receive an RGA number please contact OZTEC toll free at 800-533-9055 or at (516) 883-8857.

Please note that equipment will not be accepted without an RGA number.

Ship all claims prepaid to: **OZTEC Industries, Inc.**
Attn: Service Department
65 Channel Drive
Port Washington, NY 11050

OZTEC will not acknowledge any unauthorized repairs. OZTEC will not accept charges for parts or labor not performed at OZTEC's factory without previous written consent from OZTEC.

Imitated but never equaled, OZTEC guarantees your satisfaction.

OZTEC INDUSTRIES, INC.

65 Channel Drive • Port Washington, NY 11050
and Regional Warehouses Across the Country.

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