

OPERATION AND PARTS MANUAL



COLLOMIX SERIES

MODELS

CX22DUO

CX22DUOE

CX44DUO

CX44DUOE

DUO HAND MIXERS

Revision #2 (03/08/10)

To find the latest revision of this
publication, visit our website at:
www.multiquip.com



THIS MANUAL MUST ACCOMPANY THE EQUIPMENT AT ALL TIMES.

WARNING



SILICOSIS WARNING

Grinding/cutting/drilling of masonry, concrete, metal and other materials with silica in their composition may give off dust or mists containing crystalline silica. Silica is a basic component of sand, quartz, brick clay, granite and numerous other minerals and rocks. Repeated and/or substantial inhalation of airborne crystalline silica can cause serious or fatal respiratory diseases, including silicosis. In addition, California and some other authorities have listed respirable crystalline silica as a substance known to cause cancer. When cutting such materials, always follow the respiratory precautions mentioned above.

WARNING



RESPIRATORY HAZARDS

Grinding/cutting/drilling of masonry, concrete, metal and other materials can generate dust, mists and fumes containing chemicals known to cause serious or fatal injury or illness, such as respiratory disease, cancer, birth defects or other reproductive harm. If you are unfamiliar with the risks associated with the particular process and/or material being cut or the composition of the tool being used, review the material safety data sheet and/or consult your employer, the material manufacturer/supplier, governmental agencies such as OSHA and NIOSH and other sources on hazardous materials. California and some other authorities, for instance, have published lists of substances known to cause cancer, reproductive toxicity, or other harmful effects.

Control dust, mist and fumes at the source where possible. In this regard use good work practices and follow the recommendations of the manufacturers or suppliers, OSHA/NIOSH, and occupational and trade associations. Water should be used for dust suppression when wet cutting is feasible. When the hazards from inhalation of dust, mists and fumes cannot be eliminated, the operator and any bystanders should always wear a respirator approved by NIOSH/MSHA for the materials being used.

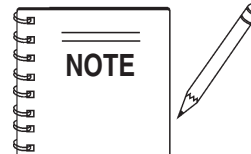
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MQ CX22/CX44 DUO HAND MIXER

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***Specification and part number
are subject to change without
notice.***

CX22/CX44 DUO HAND MIXER — PARTS ORDERING PROCEDURES

Ordering parts has never been easier! Choose from three easy options:

Effective:
January 1st, 2006



Order via Internet (Dealers Only):

Order parts on-line using Multiquip's SmartEquip website!

- View Parts Diagrams
- Order Parts
- Print Specification Information



If you have an MQ Account, to obtain a Username and Password, E-mail us at: parts@multiquip.com.

To obtain an MQ Account, contact your District Sales Manager for more information.

Goto www.multiquip.com and click on **Order Parts** to log in and save!

Use the **internet** and qualify for a **5% Discount** on *Standard orders* for all orders which include complete part numbers.*

Note: Discounts Are Subject To Change



Order via Fax (Dealers Only):

All customers are welcome to order parts via Fax.

Domestic (US) Customers dial:

1-800-6-PARTS-7 (800-672-7877)

Fax your order in and qualify for a **2% Discount** on *Standard orders* for all orders which include complete part numbers.*

Note: Discounts Are Subject To Change



Order via Phone: Domestic (US) Dealers Call:
1-800-427-1244

Non-Dealer Customers:

Contact your local Multiquip Dealer for parts or call 800-427-1244 for help in locating a dealer near you.



International Customers should contact their local Multiquip Representatives for Parts Ordering information.

When ordering parts, please supply:

- | | |
|---|--|
| ☐ Dealer Account Number | ☐ Specify Preferred Method of Shipment: |
| ☐ Dealer Name and Address | ☒ UPS/Fed Ex ☒ DHL |
| ☐ Shipping Address (if different than billing address) | ☐ Priority One ☒ Truck |
| ☐ Return Fax Number | ☐ Ground |
| ☐ Applicable Model Number | ☐ Next Day |
| ☐ Quantity, Part Number and Description of Each Part | ☐ Second/Third Day |

NOTICE

All orders are treated as *Standard Orders* and will ship the same day if received prior to 3PM PST.

WE ACCEPT ALL MAJOR CREDIT CARDS!



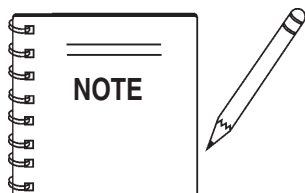
www.multiquip.com



CX22/CX44 DUO HAND MIXER — SAFETY MESSAGE ALERT SYMBOLS

FOR YOUR SAFETY AND THE SAFETY OF OTHERS!

Safety precautions should be followed at all times when operating this equipment. Failure to read and understand the Safety Messages and Operating Instructions could result in injury to yourself and others.



This Manual has been developed to provide complete instructions for the safe and efficient operation of the **MQ Model CX22/CX44 DUO HAND MIXER**.

Before using this mixer, ensure that the operating individual has read and understands all instructions in this manual.

SAFETY MESSAGE ALERT SYMBOLS

The three (3) Safety Messages shown below will inform you about potential hazards that could injure you or others. The Safety Messages specifically address the level of exposure to the operator, and are preceded by one of three words: **DANGER**, **WARNING**, or **CAUTION**.



DANGER

You **WILL** be **KILLED** or **SERIOUSLY** injured if you **DO NOT** follow directions.



WARNING

You **CAN** be **KILLED** or **SERIOUSLY** injured if you **DO NOT** follow directions.



CAUTION

You **CAN** be **INJURED** if you **DO NOT** follow directions.

Potential hazards associated with the MQ CX22/CX44 DUO HAND MIXER operation will be referenced with Hazard Symbols which appear throughout this manual, and will be referenced in conjunction with Safety Message Alert Symbols.

HAZARD SYMBOLS



Rotating Parts



NEVER operate equipment with covers or guards removed. Keep fingers, hands, hair and clothing away from all moving parts to prevent injury.



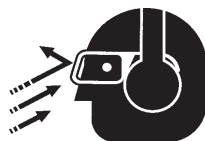
Accidental Starting



ALWAYS place power ON/OFF switch in the **OFF** position when the mixer is not in use.



Sight and Hearing hazard



ALWAYS wear approved eye and hearing protection.



Respiratory Hazard

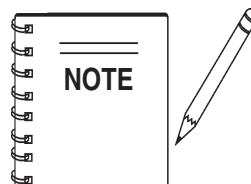


ALWAYS wear approved respiratory protection.



Equipment Damage Messages

Other important messages are provided throughout this manual to help prevent damage to your mixer, other property, or the surrounding environment.



This mixer, other property, or the surrounding environment could be damaged if you do not follow instructions.

CX22/CX44 DUO HAND MIXER — RULES FOR SAFE OPERATION

DANGER

Failure to follow instructions in this manual may lead to serious injury or even death! This equipment is to be operated by trained and qualified personnel only! This equipment is for industrial use only.

The following safety guidelines should always be used when operating the Multiquip CX22/CX44 Duo Hand Mixers.

GENERAL SAFETY

- **DO NOT** operate or service this equipment before reading this entire manual.



- This equipment should not be operated by persons under 18 years of age.

- **NEVER** operate this equipment without proper protective clothing, shatterproof glasses, steel-toed boots and other protective devices required by the job.



- **NEVER** operate this equipment when not feeling well due to fatigue, illness or taking medicine.



- **NEVER** operate this equipment under the influence of drugs or alcohol.



- Whenever necessary, replace nameplate, operation and safety decals when they become difficult read.

- **ALWAYS** check the machine for loosened threads or bolts before starting.

- **ALWAYS** wear proper respiratory (mask) hearing and eye protection equipment when operating the mixer.



- **NEVER** use accessories or attachments, which are not recommended by Multiquip for this equipment. Damage to the equipment and/or injury to user may result.

- Manufacturer does not assume responsibility for any accident due to equipment modifications.

- **ALWAYS** read, understand, and follow procedures in Operator's Manual before attempting to operate equipment.

- **ALWAYS** be sure the operator is familiar with proper safety precautions and operations techniques before using mixer.

- **ALWAYS** store equipment properly when it is not being used. Equipment should be stored in a clean, dry location out of the reach of children.

- **NEVER** leave the mixer unattended, turn off electric motor when unattended.

- **CAUTION** must always be observed while servicing this mixer. Rotating parts can cause injury if contacted.

- Unauthorized equipment modifications will void all warranties.

- Ensure that any extension cable is protected against damage and not liable to be tripped over or trapped underneath the mixer.

- **DO NOT** allow extension cord to come into contact with water or fluids.

- **DO NOT** spray water onto electric motor.

- Mixer must be used only for its intended purpose.

- This mixer is not suitable for the mixing of **flammable** or **explosive** substances.

- **NEVER** operate the mixer in an **explosive** atmosphere.

- Keep area around the mixer **clear of obstructions** which could cause persons to fall onto **moving parts**.

- **ALWAYS** ensure mixer is on level ground before mixing.

- Become familiar with the controls of the mixer before operating.

- **ALWAYS** disconnect AC power plug from power source before moving mixer.

- If mixer is equipped with an electric motor, operate electric motor only at the specified voltage indicated on the nameplate.

- Make sure the **OFF/ON** power switch on the electric motor is **always** in the **OFF** position before inserting the mixer's power plug into an AC receptacle (electric model only).

CX22/CX44 DUO HAND MIXER — RULES FOR SAFE OPERATION

Maintenance Safety

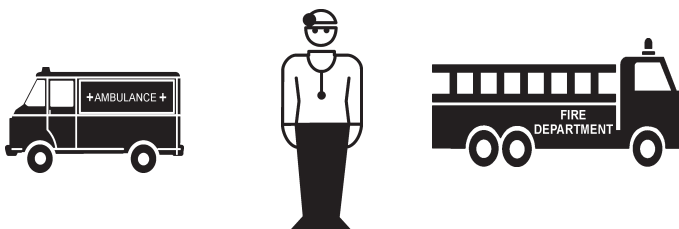
- **NEVER** lubricate components or attempt service on a running machine.
- **ALWAYS** allow the machine a proper amount of time to cool before servicing.
- Keep the machinery in proper running condition.
- Fix damage to the machine immediately and always replace broken parts, or missing decals.
- Dispose of hazardous waste properly.
- **DO NOT** use food or plastic containers to dispose of hazardous waste.

Emergencies

- **ALWAYS** know the location of the nearest *fire extinguisher* and *first aid kit*.



- In emergencies *always* know the location of the nearest phone or *keep a phone on the job site*. Also know the phone numbers of the nearest *ambulance*, *doctor* and *fire department*. This information will be invaluable in the case of an emergency.



CX22/CX44 DUO HAND MIXER — SPECIFICATIONS

Table 1. CX22/CX44 Specifications

Model	CX22DUO/CX22DUOE	CX44DUO/CX44DUOE
Voltage	110-120 V / 230 V	110-120 V / 230 V
Watts	800/1,000	1,400
HP	1.1/1/4	2
Amps	7.2/4.4	12.7/6.0
Gears	2	2
RPM Under Load - Gear 1	0-400	0-350
RPM Under Load - Gear 2	0-520	0-500
Recommended Mixing Tool Diameter	4.75 inches (12 cm)	5.5 inches (14 cm)
Spindle Neck Diameter	2 inches (5 cm)	2 inches (5 cm)
Sound Pressure Level	84 dB(A)	84 dB(A)
Noise Emission Level	97 dB(A)	97 dB(A)
Hand-Arm Vibration	< 8.2 ft ² (0.76 m ²)	< 8.2 ft ² (0.76 m ²)
Electrical Protection	Double-Insulated	Double-Insulated
Mixing Capacity	5-13 gallons (19-49 liters)	10-25 gallons (38-95 liters)
Weight	17 lb (7.7 kg)	21 lb (9.5 kg)

CX22/CX44 DUO HAND MIXER — GENERAL INFORMATION

Application

The MQ CX22/CX44 Duo Hand Mixer is designed for mixing of chemical building products of all standard viscosities (liquid, pasty, viscous, powdery) used in the building industry and building-related trades.

The right mixing tool should be selected depending on the consistency of the material and the quantity to be mixed.

If used properly, the hand mixer will provide years of safe and reliable service.

The CX22/CX44 is not to be used for the processing or preparation of food or similar products. The machine is also not suitable for mixing materials containing graphite powder, hydrochloric solutions or liquid manure. Mixing such materials can damage or destroy machine.

Paddles

The CX22DUO and CX22DUOE hand mixers come with MKD120HF paddles. The MKD120HF paddles have a diameter of 4 3/4 inches and are used to mix a volume of 5 to 13 gallons. The CX44DUO and CX44DUOE hand mixers come with MKD140HF paddles. The MKD140HF paddles have a diameter of 5 1/2 inches and are used to mix a volume of 10 to 25 gallons.

Electrical

Make sure that the power being supplied to the motor corresponds to the voltage rating label on the motor. Supplying the wrong voltage to the electric motor will cause severe electrical damage to the motor.

Always make sure the **OFF/ON** switch on the electric motor is in the **OFF** position before applying power.

Extension Cables

The extension cable should be a 3-wire configuration that includes a ground wire that conforms to UL code. Choose the correct size of an extension cord as shown in Table 2. Remember **distance** affects the wire size of the extension cable.

Ensure that the extension cable is carefully laid out avoiding **wet areas**, **sharp edges** and locations where vehicles might run over it.

Unroll the extension cable fully or it will overheat and could catch fire. Make sure that all extension cable connections are dry and safe. Replace any defective or worn-out extension cable immediately.

TABLE 2. Extension Cord Sizes

Ampere Rating Range	Volts	Length of Cord in Feet					
	115V	25 Ft.	50 Ft.	100 Ft.	150 Ft.	200 Ft.	250 Ft.
	230V	50 Ft.	100 Ft.	200 Ft.	300 Ft.	400 Ft.	500 Ft.
0 - 2		18	18	18	16	16	14
2 - 3		18	18	16	14	14	12
3 - 4		18	18	16	14	12	12
4 - 5		18	18	14	12	12	10
5 - 6		18	16	14	12	10	10
6 - 8		18	16	12	10	10	8
8 - 10		18	14	12	10	8	8
10 - 12		16	14	10	8	8	6
12 - 14		16	12	10	8	6	6
14 - 16		16	12	10	8	6	6
16 - 18		14	12	8	8	6	4
18 - 20		14	12	8	6	6	4

CX22/CX44 DUO HAND MIXER — COMPONENTS

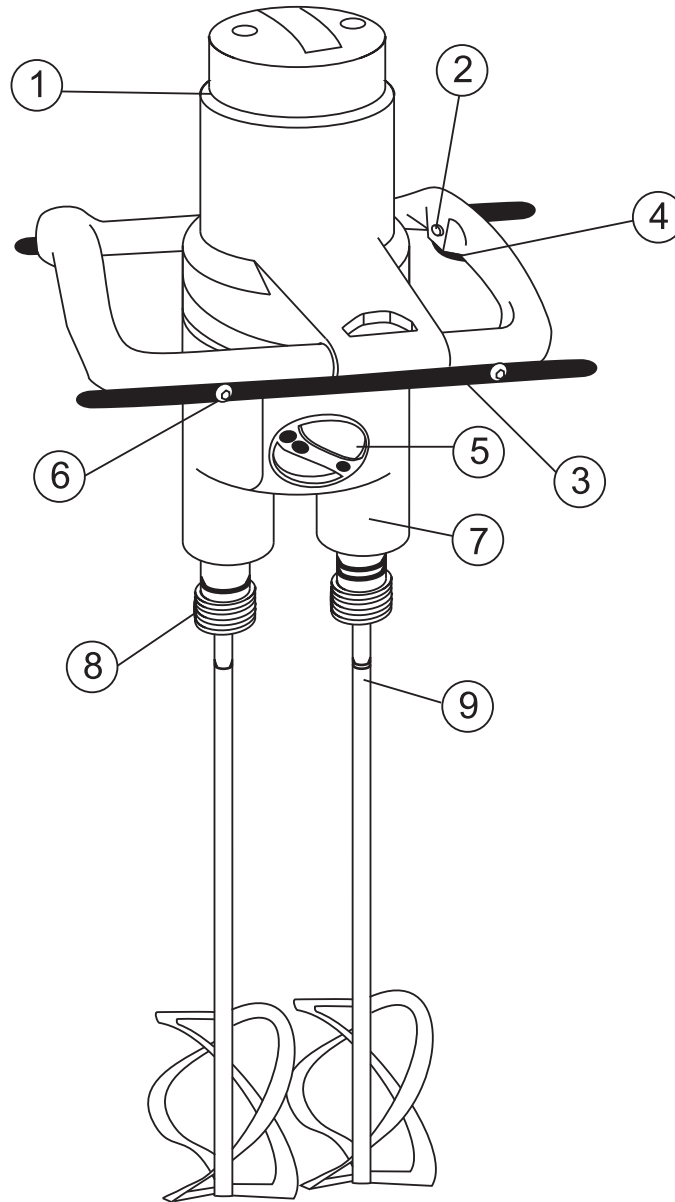


Figure 1. Mixer Major Components

Refer to Figure 1 for the location of the following mixer components.

1. **Ventilation Slits** — These openings allow ventilation to the unit to prevent overheating.
2. **Safety Lock-off Button** — When on, prevents the unit from being operated accidentally.
3. **Protection Frame** — Protects the machine casing from dirt and breakage.
4. **ON/OFF Switch with Speed Control** — Turns the power on and off and regulates the mixing speed.

5. **Gear Selection Lever** — This lever is used to select the gear (slow or fast) at which the unit is operating.
6. **Protection Frame Fastening Screws** — Holds the protection frame securely in place.
7. **Machine Neck** — The mixing tools are attached to the machine neck.
8. **HEXAFIX® Quick Action Coupling** — These connectors attach the mixing tools to the machine neck.
9. **Mixing Tools** — These tools are used to mix chemical building products.

CX22/CX44 DUO HAND MIXER — SETUP

Assembly

Before using the hand mixer, the following steps need to be performed.

1. Insert the mixing tools into the HEXAFIX coupling as far as necessary to lock the tools in place, automatically (see Figure 2).

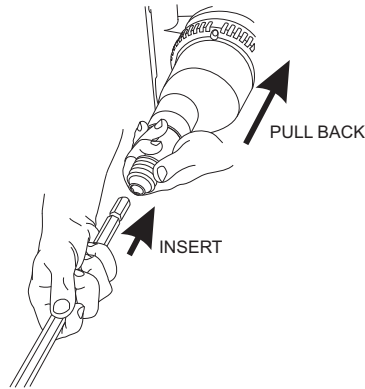


Figure 2. Inserting Mixing Tools

2. When installing the mixing tools, make sure that the blades are correctly positioned as shown in Figure 3.

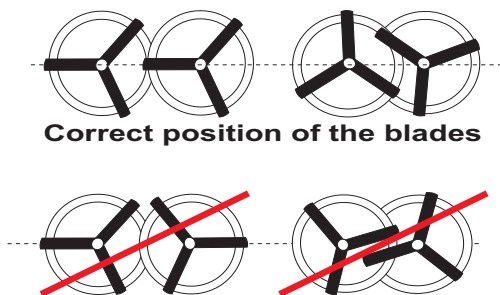


Figure 3. Positioning Blades

3. When inserting mixing tools, also make sure that the identifying marks on both the mixing shaft and the mixing blades match as shown in Figure 4.

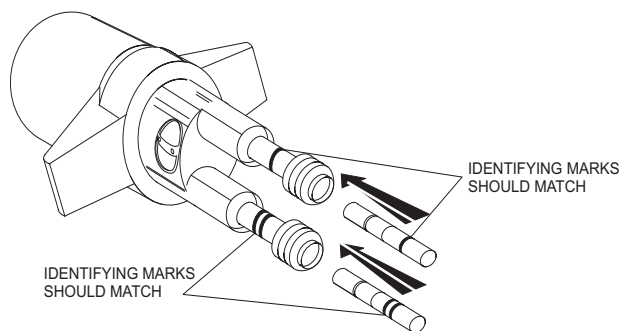


Figure 4. Matching Identifying Marks

Electric Connections

CAUTION

DO NOT attempt to operate the mixer until the Safety, General Information and Set-Up sections have been read and understood.

CAUTION

Before plugging the power cable, check and make sure that the ON/OFF switch operates properly and returns to the OFF position when released.

1. Connect the hand mixer power cable to a 110 V or 230V, 50/60 Hz power source, depending on the unit you have. Make sure you conform to the specifications on the nameplate of the mixer.
2. A 120V/230V power supply can also be used. Make sure that the power supply conforms to the specifications on the nameplate of the mixer. Voltage decrease of more than 10% will cause loss of power and overheating.
3. Use an extension cord (see Table 2) of adequate current carrying capacity. **NEVER** use a **worn** or **frayed** extension cord. Insert the electric motor's power plug into one end of the extension cord.

DANGER

NEVER touch the power cord (Figure 5) with **wet hands** or while **standing in water** when it is connected to a power source. The possibly exists of electrical shock (electrocution) even death. **NEVER** spray water directly on the electric motor.

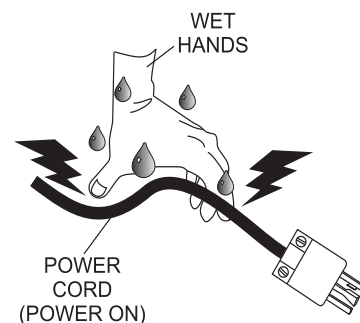
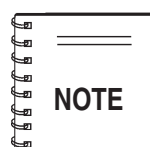


Figure 5. Extension Cord (Wet Hands)



To prevent personnel from tripping over the extension cord, position the extension cord so that it lays flat and is not curled.

CX22/CX44 DUO HAND MIXER — OPERATION

CAUTION

ALWAYS hold the machine with both hands while working.

1. To start, press the starting lockout button then press the ON/OFF switch (Figure 6). The integrated electronic controls will start the machine in a controlled speed.

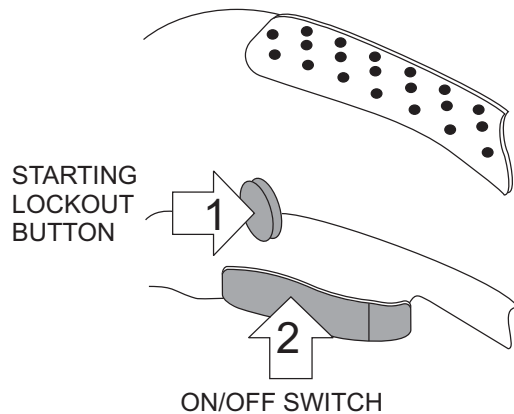


Figure 6. ON/OFF Switch

2. To make the motor run faster, apply more pressure to the ON/OFF switch.
3. To change the maximum speed, turn the gear selection lever 180° (Figure 7). First gear is slow and second gear is fast.

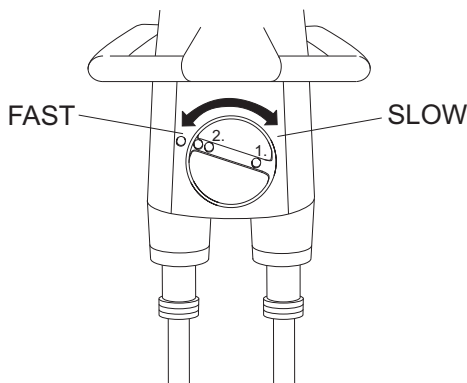


Figure 7. Gear Selection Lever

4. When submerging the mixing tool in the mixing material or when lifting out the mixing tool, always reduce the speed. When the mixing tool is fully submerged, increase the speed again to ensure that the motor is adequately cooled.
5. During mixing, guide the mixer around the mixing container (Figure 8). Continue mixing until all of the material is completely mixed.



Figure 8. Mixing the Material

6. To stop the mixer, release the On/OFF switch.
7. Always clean the mixing tool after every use.

CX22/CX44 DUO HAND MIXER — MAINTENANCE

CAUTION

ALWAYS disconnect the mixer from the power supply before cleaning, changing the mixing paddles or performing any maintenance.

CAUTION

To assure product safety and reliability, repairs, maintenance, and adjustments should be performed by an authorized service center or qualified technician to prevent any misplaced wires and components that could cause serious hazards.

1. Clean the machine and mixing tools after every use.
2. Keep the quick-action coupling clean and free of dust. Apply grease to the hexagon mount regularly.
3. Keep the ventilation slits clean and free of foreign matter so that machine can be properly cooled.
4. Replace the carbon brushes when worn. The machine is equipped with self-deactivating carbon brushes. The machine will shut itself down when a certain level of wear is reached, indicating that carbon brushes should be replaced.
5. Clean and lubricate gear case yearly or whenever servicing requires that the gear case to be removed.

Mixer Storage

For storage of the mixer for over 30 days, the following is recommended:

- Clean the mixer and mixing tools.
- Cover the mixer and place it a clean dry area, that is protected from harsh elements.

EXPLANATION OF CODE IN REMARKS COLUMN

The following section explains the different symbols and remarks used in the Parts section of this manual. Use the help numbers found on the back page of the manual if there are any questions.

NOTICE

The contents and part numbers listed in the parts section are subject to change **without notice**. Multiquip does not guarantee the availability of the parts listed.

SAMPLE PARTS LIST

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	12345	BOLT.....	1	INCLUDES ITEMS W/%
2%		WASHER, 1/4 IN.....		NOT SOLD SEPARATELY
2%	12347	WASHER, 3/8 IN....	1	MQ-45T ONLY
3	12348	HOSE		A/R ...MAKE LOCALLY
4	12349	BEARING	1	S/N 2345B AND ABOVE

NO. Column

Unique Symbols — All items with same unique symbol

(@, #, +, %, or >) in the number column belong to the same assembly or kit, which is indicated by a note in the “Remarks” column.

Duplicate Item Numbers — Duplicate numbers indicate multiple part numbers, which are in effect for the same general item, such as different size saw blade guards in use or a part that has been updated on newer versions of the same machine.

NOTICE

When ordering a part that has more than one item number listed, check the remarks column for help in determining the proper part to order.

PART NO. Column

Numbers Used — Part numbers can be indicated by a number, a blank entry, or TBD.

TBD (To Be Determined) is generally used to show a part that has not been assigned a formal part number at the time of publication.

A blank entry generally indicates that the item is not sold separately or is not sold by Multiquip. Other entries will be clarified in the “Remarks” Column.

QTY. Column

Numbers Used — Item quantity can be indicated by a number, a blank entry, or A/R.

A/R (As Required) is generally used for hoses or other parts that are sold in bulk and cut to length.

A blank entry generally indicates that the item is not sold separately. Other entries will be clarified in the “Remarks” Column.

REMARKS Column

Some of the most common notes found in the “Remarks” Column are listed below. Other additional notes needed to describe the item can also be shown.

Assembly/Kit — All items on the parts list with the same unique symbol will be included when this item is purchased.

Indicated by:

“INCLUDES ITEMS W/(unique symbol)”

Serial Number Break — Used to list an effective serial number range where a particular part is used.

Indicated by:

“S/N XXXXX AND BELOW”

“S/N XXXX AND ABOVE”

“S/N XXXX TO S/N XXX”

Specific Model Number Use — Indicates that the part is used only with the specific model number or model number variant listed. It can also be used to show a part is NOT used on a specific model or model number variant.

Indicated by:

“XXXXX ONLY”

“NOT USED ON XXXX”

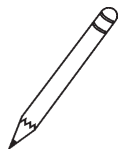
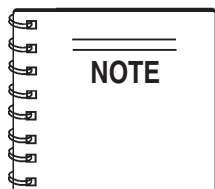
“Make/Obtain Locally” — Indicates that the part can be purchased at any hardware shop or made out of available items. Examples include battery cables, shims, and certain washers and nuts.

“Not Sold Separately” — Indicates that an item cannot be purchased as a separate item and is either part of an assembly/kit that can be purchased, or is not available for sale through Multiquip.

CX22/CX44 DUO HAND MIXER — SUGGESTED SPARE PARTS

CX22/CX44 DUO HAND MIXER 1 TO 4 UNITS

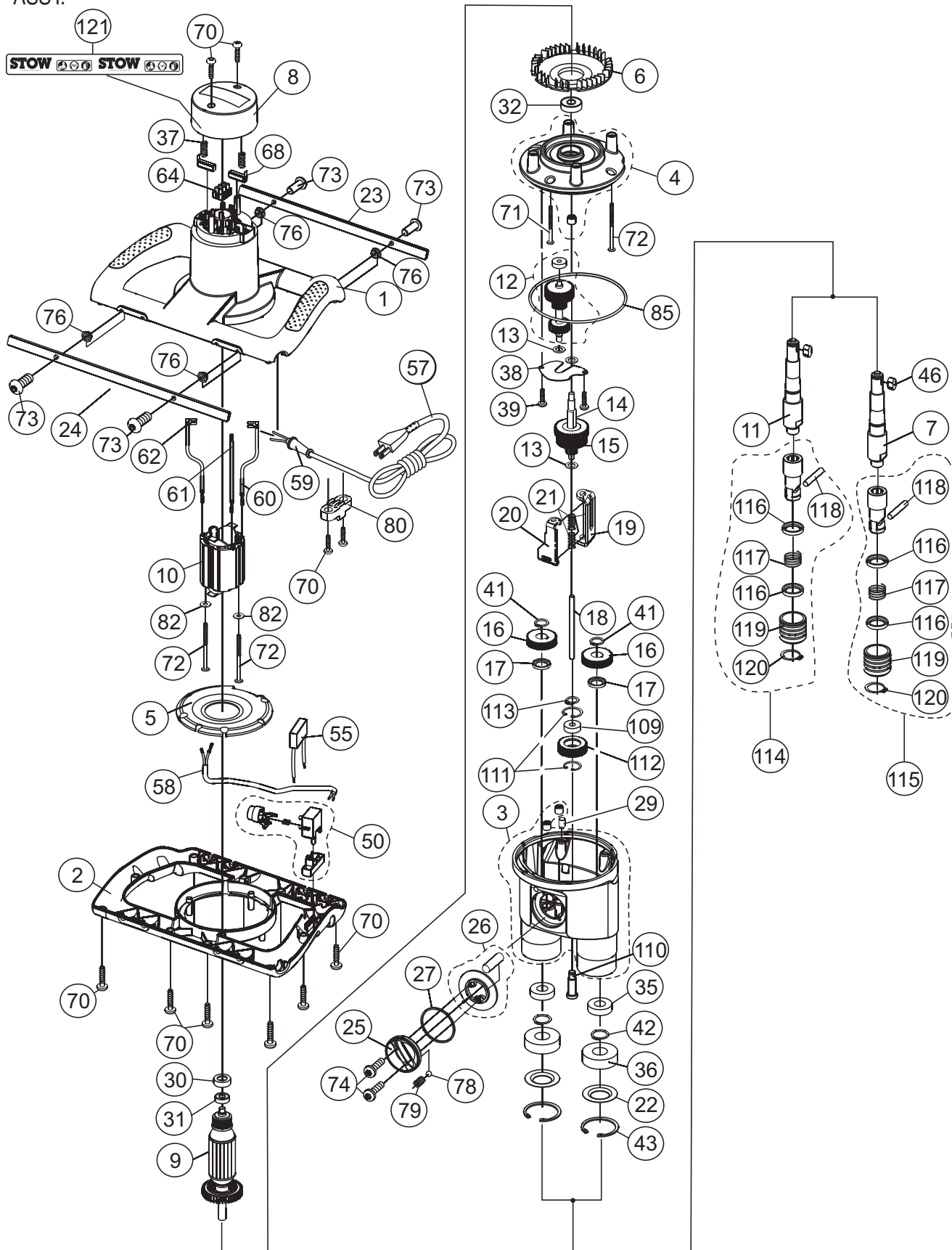
<u>Qty.</u>	<u>P/N</u>	<u>Description</u>
2	CM20509	SPRING FOR BRUSH ASSY (CX22)
1	CM20567	BRUSH SET (CX22)
2	CM20569	BRUSH HOLDER (CX44)
1	CM20566	BRUSH SET (CX44)



Part numbers on this Suggested Spare Parts List may supercede/replace the P/N's shown in the test pages of this manual.

CX22 DUO HAND MIXER — MIXER ASSEMBLY

BODY ASSY.



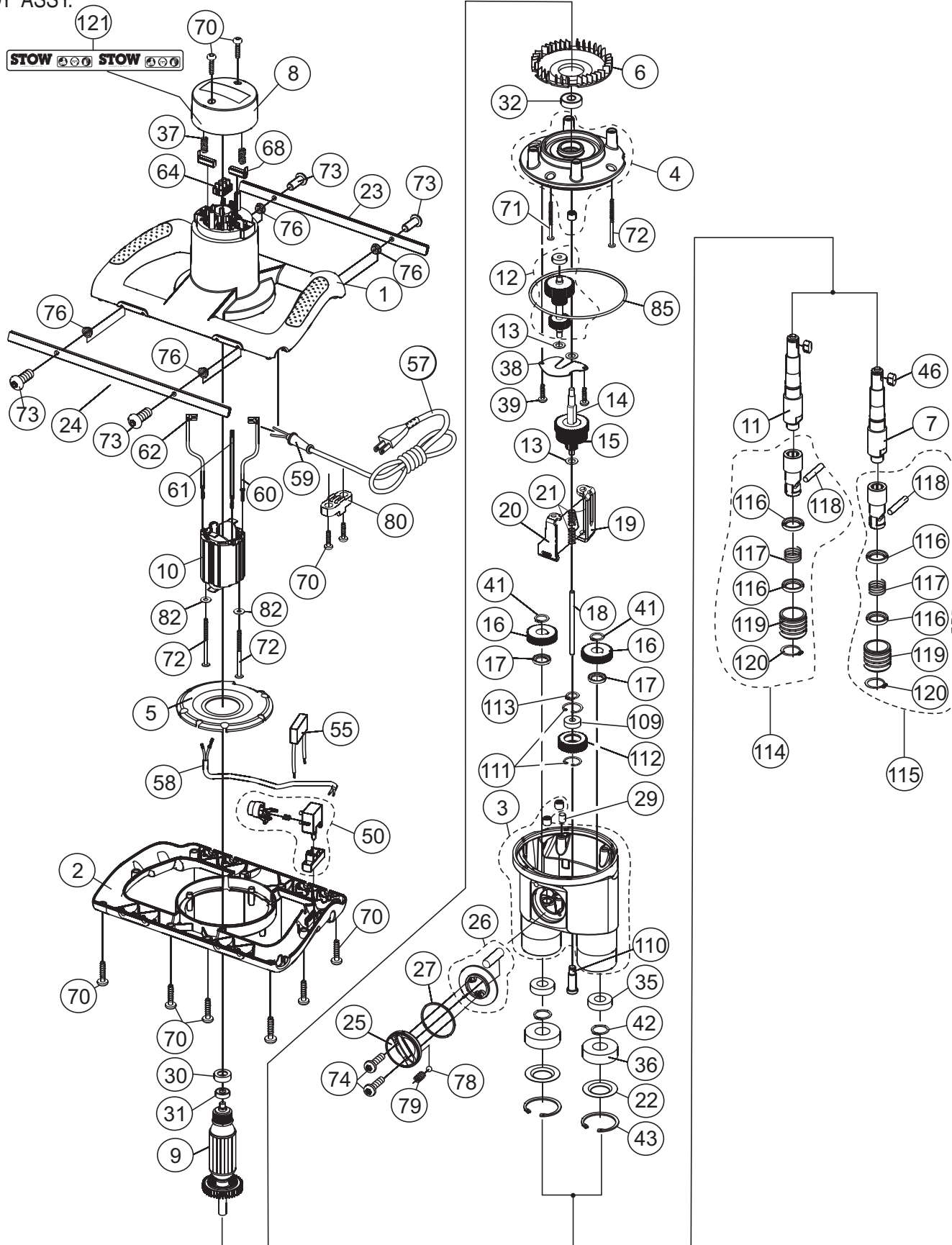
CX22 DUO HAND MIXER — MIXER ASSEMBLY

BODY ASSY.

<u>NO</u>	<u>PART NO</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	CM20530	MOTOR HOUSING TOP	1	
2	CM20531	MOTOR HOUSING BOTTOM	1	
3	CM20654	GEAR HOUSING ASSY	1	
4	CM20655	PLATE ASSY	1	
5	CM20524	BAFFLE PLATE	1	
6	CM20525	RECTIFIER	1	
7	CM20656	SPINDLE, RIGHT	1	
8	CM20522	COVER	1	
9	CM20559	ARMATURE 230V	1	CX22DUOE ONLY
9	CM20591	ARMATURE 110V	1	CX22DUO ONLY
10	CM20556	FIELD COIL 110 - 230V	1	
11	CM20657	SPINDLE, LEFT	1	
12	CM20658	MIDDLE SHAFT	1	
13	CM20518	WASHER	3	
14	CM20504	MIDDLE SHAFT	1	
15	CM20546	GEAR ASSY	1	
16	CM20501	GEAR	2	
17	CM20506	SLEEVE	2	
18	CM28543	GUIDE	1	
19	CM20659	FORK	1	
20	CM20660	SLIDING PLUG	1	
21	CM20508	SPRING FOR GEAR SHIFTER	2	
22	CM20513	WASHER	2	
23	CM20540	FRAME PROTECTION RIGHT	1	
24	CM20541	FRAME PROTECTION LEFT	1	
25	CM20528	GEAR KNOB	1	
26	CM20562	KNOB ASSY	1	
27	CM20581	SEALING	1	
29	CM25022	SLEEVE	1	
30	CM29523	RUBBER SLEEVE	1	
31	CM29522	BALL BEARING 607 2Z	1	
32	CM25055	BALL BEARING 6000 2RS	1	
35	CM23507	BALL BEARING 6002 2RS	2	
36	CM23016	BALL BEARING 6204 2RS	2	
37	CM20509	SPRING FOR BRUSH ASSY	2	
38	CM20661	COVER	1	
39	CM20609	SCREW 4X12	2	

CX22 DUO HAND MIXER — MIXER ASSEMBLY

BODY ASSY.



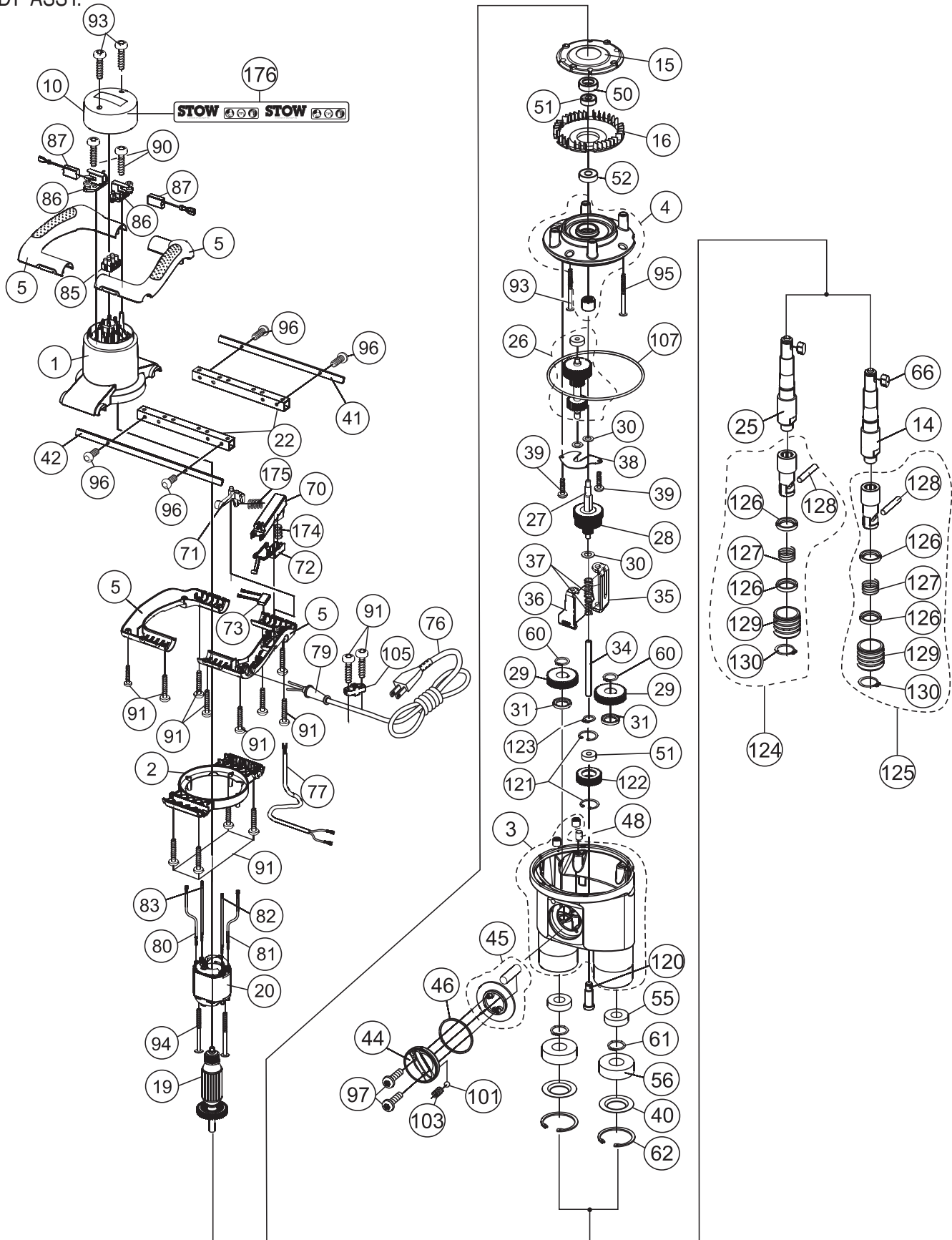
CX22 DUO HAND MIXER — MIXER ASSEMBLY

BODY ASSY.

<u>NO</u>	<u>PART NO</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
41	CM24060	CIRCLIP A15 X1.5	2	
42	CM20571	CIRCLIP 20	2	
43	CM20572	CIRCLIP 47	2	
46	CM28548	PIN 5X5X10	2	
50	CM20565	SWITCH ASSY 230V	1	CX22DUOE ONLY
50	CM20593	SWITCH ASSY 110V	1	CX22DUO ONLY
55	CM29534	CAPACITOR		
57	CM23557	CORD, ELECTRIC, 230 V WITH EU PLUG	1	CX22DUOE ONLY
57	CM27030	CORD, ELECTRIC, 230 V WITH CH PLUG	1	CX22DUOE ONLY
57	CM27053	CORD, ELECTRIC, 230 V WITH UK PLUG	1	CX22DUOE ONLY
57	CM27035	CORD, ELECTRIC, 110 V WITH UK PLUG	1	CX22DUO ONLY
57	CM27054	CORD, ELECTRIC, 110 V WITH USA PLUG	1	CX22DUO ONLY
58	CM20588	CABLE SWITCH	1	
59	CM23556	CORD GUARD	1	
60	CM20584	WIRE RED	1	
61	CM20583	WIRE BLUE	1	
62	CM20584	WIRE RED	1	
64	CM20579	TERMINAL BLOCK	1	
68	CM20567	BRUSH SET	1	
70	CM25062	SCREW 4 X 15	14	
71	CM20636	SCREW 4X55/20	2	
72	CM20574	SCREW 4X70/30	4	
73	CM20575	SCREW M6X20	8	
74	CM20577	SCREW 30X12	2	
76	CM20576	NUT M6	8	
78	CM20578	BALL 5 MM	1	
79	CM20507	SPRING FOR GEAR SWITCH	1	
80	CM23555	CORD CLAMP	1	
82	CM27011	WASHER	2	
85	CM20662	SEALING	1	
109	CM29544	BALL BEARING 608 2RS	1	
110	CM20663	SHAFT	1	
111	CM28568	CIRCLIP 22	2	
112	CM20664	GEAR	1	
113	CM28569	CIRCLIP 8	1	
114	CM20665	HEXAFIX® LEFT - I	1	INCLUDES ITEMS W/ #
115	CM20666	HEXAFIX® RIGHT - II	1	INCLUDES ITEMS W/ \$
116#\$	CM20667	RING FOR HEXAFIX®	4	
117#\$	CM20668	SPRING FOR HEXAFIX®	2	
118#\$	CM20669	PIN FOR HEXAFIX®	4	
119#\$	CM20670	SLEEVE FOR HEXAFIX®	2	
120#\$	CM20571	CIRCLIP 20	2	
121	DCL1260	DECAL; STOW LOGO	1	

CX44 DUO HAND MIXER — MIXER ASSEMBLY

BODY ASSY.



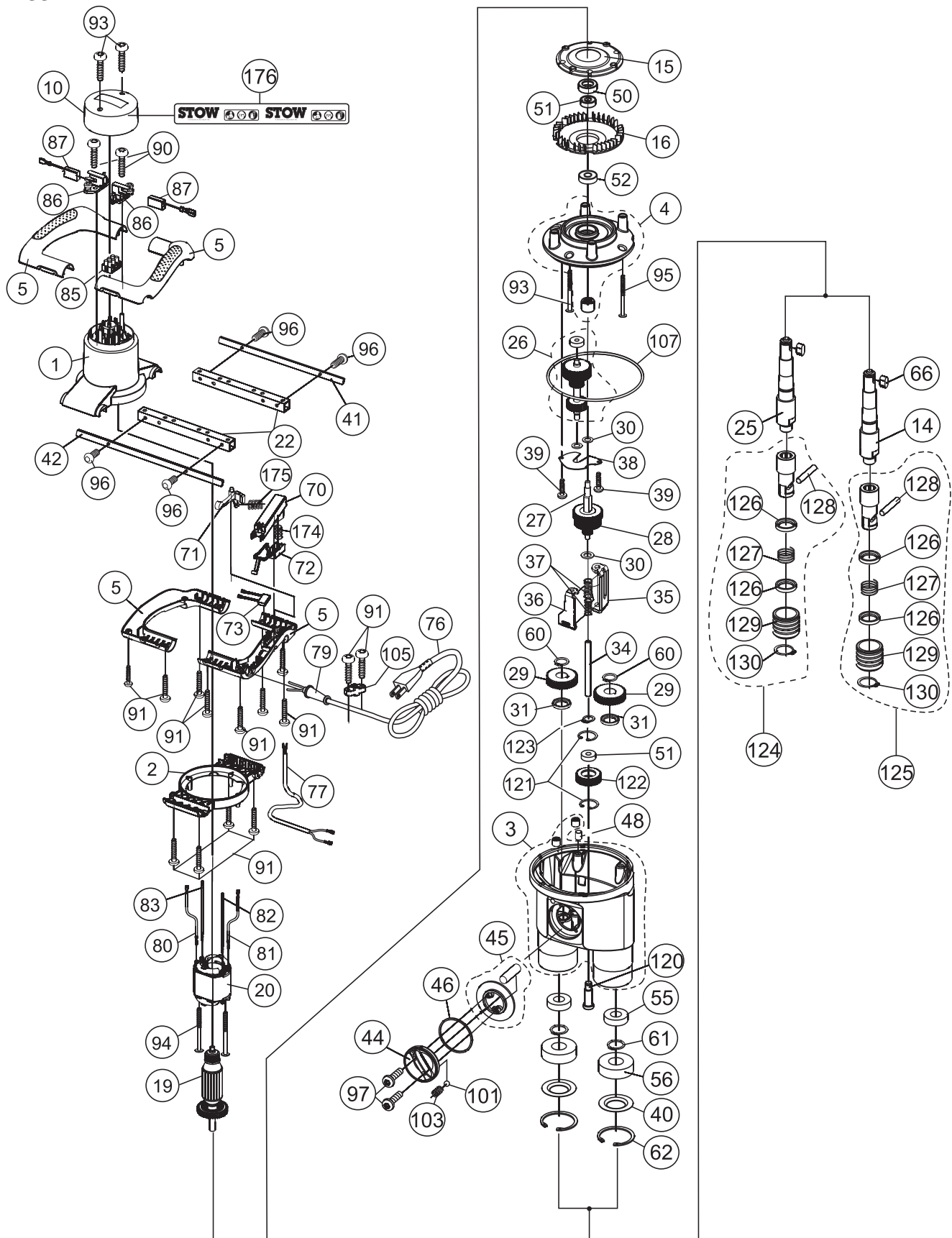
CX44 DUO HAND MIXER — MIXER ASSEMBLY

BODY ASSY.

<u>NO</u>	<u>PART NO</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	CM20532	MOTOR HOUSING TOP	1	
2	CM20533	MOTOR HOUSING BOTTOM	1	
3	CM20654	GEAR HOUSING ASSY	1	
4	CM20671	PLATE ASSY	1	
5	CM20646	RIGHT AND LEFT HANDLE ASSY	1	
10	CM20523	COVER	1	
14	CM20656	SPINDLE RIGHT	1	
15	CM20535	BAFFLE PLATE	1	
16	CM20525	RECTIFIER	1	
19	CM20672	ARMATURE 230V	1	 CX44DUOE ONLY
19	CM20673	ARMATURE 110V	1	 CX44DUO ONLY
20	CM20555	FIELD COIL 110 - 230V	1	
22	CM20516	CARRIER	2	
25	CM20657	SPINDLE LEFT	1	
26	CM20550	MIDDLE SHAFT	1	
27	CM20504	MIDDLE SHAFT	1	
28	CM20545	GEAR ASSY	1	
29	CM20501	GEAR	2	
30	CM20518	WASHER	3	
31	CM20506	SLEEVE	2	
34	CM28543	GUIDE	1	
35	CM20659	FORK	1	
36	CM20660	SLIDING PLUG	1	
37	CM20508	SPRING FOR GEAR SHIFTER	1	
38	CM20661	COVER	1	
39	CM20609	SCREW 4X12	1	
40	CM20513	WASHER	2	
41	CM20542	FRAME PROTECTION RIGHT	1	
42	CM20543	FRAME PROTECTION LEFT	1	
44	CM20528	GEAR KNOB	1	
45	CM20562	KNOB ASSY	1	
46	CM20581	SEALING	1	
48	CM25022	SLEEVE	1	
50	CM25053	RUBBER SLEEVE	1	
51	CM29544	BALL BEARING 608 2RS	2	
52	CM24523	BALL BEARING 6001 ZZ	1	
55	CM23507	BALL BEARING 6002 2RS	2	
56	CM26016	BALL BEARING 6204 2RS	2	
60	CM24060	CIRCLIP A15 X1,5	2	
61	CM20571	CIRCLIP 20	2	
62	CM20572	CIRCLIP 47	2	
66	CM28548	PIN 5X5X10	2	
70	CM20580	SWITCH 230V	1	 CX44DUOE ONLY
70	CM20597	SWITCH110V	1	 CX44DUO ONLY

CX44 DUO HAND MIXER — MIXER ASSEMBLY

BODY ASSY.



CX44 DUO HAND MIXER — MIXER ASSEMBLY

BODY ASSY.

<u>NO</u>	<u>PART NO</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
71	CM20649	KNOB SWITCH	1	
72	CM20650	LEVER	1	
73	CM20568	SUPPRESSOR	1	
76	CM23557	CORD, ELECTRIC 230 V WITH EU PLUG	1	CX44DUOE ONLY
76	CM27030	CORD, ELECTRIC 230 V WITH CH PLUG	1	CX44DUOE ONLY
76	CM27053	CORD, ELECTRIC 230 V WITH UK PLUG	1	CX44DUOE ONLY
76	CM27035	CORD, ELECTRIC 110 V WITH UK PLUG	1	CX44DUO ONLY
76	CM27054	CORD, ELECTRIC 110 V WITH USA PLUG	1	CX44DUO ONLY
77	CM20564	CABLE	1	
79	CM20520	CORD GUARD	1	
80	CM20586	WIRE BLUE	1	
81	CM20586	WIRE BLUE	1	
82	CM20587	WIRE	1	
83	CM20587	WIRE	1	
85	CM20579	TERMINAL BLOCK	1	
86	CM20569	BRUSH HOLDER	1	
87	CM20566	BRUSH SET	1	
90	CM25062	SCREW 4 X 15	2	
91	CM25049	SCREW 4 X 16	18	
93	CM20636	SCREW 4X55	4	
94	CM25031	SCREW 4X70	2	
95	CM20574	SCREW 4X70/30	2	
96	CM20575	SCREW M6X20	8	
97	CM20577	SCREW 30X12	2	
101	CM20578	BALL 5 MM	1	
103	CM20507	SPRING FOR GEAR SWITCH	1	
105	CM20521	CORD CLAMP	1	
107	CM20662	SEALING	1	
120	CM20663	SHAFT	1	
121	CM28568	CIRCLIP	2	
122	CM20664	GEAR	1	
123	CM28569	CIRCLIP 8	1	
124	CM20665	HEXAFIX® LEFT	1	INCLUDES ITEMS W/ #
125	CM20666	HEXAFIX® RIGHT	1	INCLUDES ITEMS W/ \$
126#\$	CM20667	RING HEXAFIX®	4	
127#\$	CM20668	SPRING FOR HEXAFIX®	2	
128#\$	CM20669	PIN FOR HEXAFIX®	4	
129#\$	CM20670	SLEEVE HEXAFIX®	2	
130#\$	CM20571	CIRCLIP 20	2	
174	CM20510	SPRING FOR SWITCH	1	
175	CM20607	SPRING FOR KNOB	1	
176	DCL1260	DECAL; STOW LOGO	1	

TERMS AND CONDITIONS OF SALE — PARTS

PAYMENT TERMS

Terms of payment for parts are net 30 days.

FREIGHT POLICY

All parts orders will be shipped collect or prepaid with the charges added to the invoice. All shipments are F.O.B. point of origin. Multiquip's responsibility ceases when a signed manifest has been obtained from the carrier, and any claim for shortage or damage must be settled between the consignee and the carrier.

MINIMUM ORDER

The minimum charge for orders from Multiquip is \$15.00 net. Customers will be asked for instructions regarding handling of orders not meeting this requirement.

RETURNED GOODS POLICY

Return shipments will be accepted and credit will be allowed, subject to the following provisions:

1. A Returned Material Authorization must be approved by Multiquip prior to shipment.
2. To obtain a Return Material Authorization, a list must be provided to Multiquip Parts Sales that defines item numbers, quantities, and descriptions of the items to be returned.
 - a. The parts numbers and descriptions must match the current parts price list.
 - b. The list must be typed or computer generated.
 - c. The list must state the reason(s) for the return.
 - d. The list must reference the sales order(s) or invoice(s) under which the items were originally purchased.
 - e. The list must include the name and phone number of the person requesting the RMA.
3. A copy of the Return Material Authorization must accompany the return shipment.
4. Freight is at the sender's expense. All parts must be returned freight prepaid to Multiquip's designated receiving point.

5. Parts must be in new and resalable condition, in the original Multiquip package (if any), and with Multiquip part numbers clearly marked.
6. The following items are not returnable:
 - a. Obsolete parts. (If an item is in the price book and shows as being replaced by another item, it is obsolete.)
 - b. Any parts with a limited shelf life (such as gaskets, seals, "O" rings, and other rubber parts) that were purchased more than six months prior to the return date.
 - c. Any line item with an extended dealer net price of less than \$5.00.
 - d. Special order items.
 - e. Electrical components.
 - f. Paint, chemicals, and lubricants.
 - g. Decals and paper products.
 - h. Items purchased in kits.
7. The sender will be notified of any material received that is not acceptable.
8. Such material will be held for five working days from notification, pending instructions. If a reply is not received within five days, the material will be returned to the sender at his expense.
9. Credit on returned parts will be issued at dealer net price at time of the original purchase, less a 15% restocking charge.
10. In cases where an item is accepted, for which the original purchase document can not be determined, the price will be based on the list price that was effective twelve months prior to the RMA date.
11. Credit issued will be applied to future purchases only.

PRICING AND REBATES

Prices are subject to change without prior notice. Price changes are effective on a specific date and all orders received on or after that date will be billed at the revised price. Rebates for price declines and added charges for price increases will not be made for stock on hand at the time of any price change.

Multiquip reserves the right to quote and sell direct to Government agencies, and to Original Equipment Manufacturer accounts who use our products as integral parts of their own products.

SPECIAL EXPEDITING SERVICE

A \$35.00 surcharge will be added to the invoice for special handling including bus shipments, insured parcel post or in cases where Multiquip must personally deliver the parts to the carrier.

LIMITATIONS OF SELLER'S LIABILITY

Multiquip shall not be liable hereunder for damages in excess of the purchase price of the item with respect to which damages are claimed, and in no event shall Multiquip be liable for loss of profit or good will or for any other special, consequential or incidental damages.

LIMITATION OF WARRANTIES

No warranties, express or implied, are made in connection with the sale of parts or trade accessories nor as to any engine not manufactured by Multiquip. Such warranties made in connection with the sale of new, complete units are made exclusively by a statement of warranty packaged with such units, and Multiquip neither assumes nor authorizes any person to assume for it any other obligation or liability whatever in connection with the sale of its products. Apart from such written statement of warranty, there are no warranties, express, implied or statutory, which extend beyond the description of the products on the face hereof.

Effective: February 22, 2006

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OPERATION AND PARTS MANUAL

HERE'S HOW TO GET HELP

PLEASE HAVE THE MODEL AND SERIAL
NUMBER ON-HAND WHEN CALLING

UNITED STATES

Multiquip Corporate Office

18910 Wilmington Ave. Tel. (800) 421-1244
Carson, CA 90746 Fax (800) 537-3927
Contact: mq@multiquip.com

Mayco Parts

800-306-2926 Fax: 800-672-7877
310-537-3700 Fax: 310-637-3284

Service Department

800-421-1244 Fax: 310-537-4259
310-537-3700

MQ Parts Department

800-427-1244 Fax: 800-672-7877
310-537-3700 Fax: 310-637-3284

Warranty Department

800-421-1244, Ext. 279 Fax: 310-537-1173
310-537-3700, Ext. 279

Technical Assistance

800-478-1244 Fax: 310-631-5032

MEXICO

MQ Cipsa

Carr. Fed. Mexico-Puebla KM 126.5 Tel: (52) 222-225-9900
Momoxpan, Cholula, Puebla 72760 Mexico Fax: (52) 222-285-0420
Contact: pmastretta@cipsa.com.mx

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Multiquip (UK) Limited Head Office

Unit 2, Northpoint Industrial Estate, Tel: 0161 339 2223
Global Lane, Fax: 0161 339 3226
Dukinfield, Cheshire SK16 4UJ
Contact: sales@multiquip.co.uk

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Multiquip

4110 Industriel Boul. Tel: (450) 625-2244
Laval, Quebec, Canada H7L 6V3 Tel: (877) 963-4411
Contact: jmartin@multiquip.com Fax: (450) 625-8664

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This manual **MUST** accompany the equipment at all times. This manual is considered a permanent part of the equipment and should remain with the unit if resold.

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