



OPERATOR'S MANUAL

Safety, Operation & Service Information

RIP-R-STRIPPER[®] Floor Covering Stripper

Model: CTS12GEN2

Form: GOM11121101US, Version 1.2, Original Instructions

- Do not discard this manual.
- Keep manual readily available for reference during operation or when servicing product.
- Before operation, read and comprehend operator manual content.
- **Customer Service:** 001 507 451 5510
- **Customer Service Telefax:** 001 507 451 5511
Note: There is no charge for Customer Service.
- **Internet Address:** <http://www.generalequip.com>
- **Email:** general@generalequip.com
- **Mailing Address:**
General Equipment Company, 620 Alexander Dr. S.W., P.O. Box 334, Owatonna, MN 55060, USA

EUROPEAN REPRESENTATIVE

- **Customer Service:** (+31) 5 23 63 82 86
- **Internet Address:** <http://www.eurogate-international.com>
- **Email:** info@eurogate-international.com
- **Mailing Address:** Eurogate International, Galilieistraat 6, 7701 SK Dedemsvaart, The Netherlands

Product covered by this manual complies with mandatory requirements of 2006/42/EC.

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- It is responsibility of owner(s) and/or operator(s) to establish, monitor and constantly upgrade all safety programs and/or practices utilized in and for operation of RIP-R-STRIPPER. Purpose of such programs is to provide for owner(s) and/or operator(s) safety. Operators must be instructed to recognize and avoid unsafe conditions associated with their work (29 CFR 1926.21 (b)(2)) and/or applicable updated revisions.
- It is responsibility of owner(s) and/or operator(s) to determine no modifications and/or alterations have been made to RIP-R-STRIPPER. Modifications and/or alterations can lead to possibility of serious damage, injury or even death. It is responsibility of owner(s) and/or operator(s) to make this Operator Manual available for consultation during all phases of operation.
- Refer to OSHA 2207 and/or applicable updated revisions which contains all OSHA job safety, health rules and regulations (1926 and 1910) covering construction.

CAUTION

The concept of electrically powered, walk-behind floor covering removal equipment has been successfully utilized for many years as a practical solution to many types of floor covering removal requirements. The basic concept is proven and well accepted within the associated marketplaces.

Use of a RIP-R-STRIPPER requires strenuous work activity. This type of work activity can be considered to be greater in magnitude than that experienced with the use of many other types of both light construction and lawn and garden related equipment. This type of work activity should only be attempted by operators of adequate physical size and stature, mental awareness, and physical strength and condition.

The body parts most noticeably affected during the floor covering removal process are the arms, hands, wrists, shoulders, lower back and legs. The covering removal process can also produce excessive stress/strain directly to the back muscles, spinal vertebrae and many other body parts. Back and wrist related pain can be side effects of using the RIP-R-STRIPPER. Use of RIP-R-STRIPPER may only aggravate this and any other medically related problem.

Because of the diverse type of prevailing floor removal conditions, operator experience levels and operator physical characteristics, no warranty, guarantee, representation and/or liability is made by the manufacturer as to the absolute correctness or sufficiency of any operational procedure, operational position and/or technique. There is no absolute guarantee that an operator of any given experience level, physical size and/or physical condition will be immune to the possibility of and/or probable physical side effects of the normal use of the RIP-R-STRIPPER.

Each potential operator of the RIP-R-STRIPPER must be made aware of and assume the operational and physical liability described and/or associated with the use of the RIP-R-STRIPPER. **Each potential operator not willing to assume the operational and physical liability described and/or associated with the use of the RIP-R-STRIPPER should not operate it.** Proper levels of operator experience, skill and common sense are essential for maximizing the safe and efficient operation of the RIP-R-STRIPPER.

Record RIP-R-STRIPPER and electric motor serial numbers in spaces provided below.

Model Number: _____

Serial Number: _____

Electric Motor Serial Number: _____

Date of Purchase: _____

Specifications and design are subject to change without notice or obligation. All specifications are general in nature and are not intended for specific application purposes. General Equipment Company reserves the right to make changes in design, engineering or specifications and to add improvements or discontinue manufacture at any time without notice or obligation. General Equipment Company and its agents accept no responsibility for variations which may be evident in actual products, specifications, pictures and descriptions contained in this publication.

NOTICE TO OPERATORS

IF YOU CAN NOT READ OR DO NOT FULLY UNDERSTAND THE CONTENTS OF THIS MANUAL, PLEASE CONTACT THE FACTORY FOR PROPER ASSISTANCE BEFORE ATTEMPTING TO OPERATE THIS PRODUCT.

SI TU NO PUEDES LE'ER O NO COMPRENDES EL CONTENIDO DE ESTE MANUAL FAVOR DE PONERSE EN CONTACTO CON LA FABRICA PARA ASISTENCIA-APROPIA ANTES DE INTENTAR PARA OPERAR ESTE PRODUCTO.

SOLLTEN SIE DIESE GEBRAUCHSANWEISUNG NICHT LESEN KOENNEN ODER ES NICHT VOLLKOMMEN VERSTEHEN, WENDEN SIE SICH BITTE AN DEN HERSTELLER FUER RICHTIGE HILFE EHE SIE VERSUCHEN DIESES PRODUKT ZU OPERIEREN.

SI VOUS NE LISEZ OU NE COMPRENDRE ENTIEREMENT LES MATIERES DE CE MANUEL, S'IL VOUS PLAIT, CONTACTEZ L'USINE POUR L'ASSISTANCE APPROPRIEE AVANT D'UTILISER LE PRODUIT.

IMPORTANT:

- DO NOT allow anyone to operate RIP-R-STRIPPER without first reading this Operator Manual and becoming familiar with RIP-R-STRIPPER operation.
- Manufacturer of this RIP-R-STRIPPER has gone to great extremes to provide owner(s) and/or operator(s) with the finest equipment available for its intended job function of removing covering materials from concrete and wood floor surfaces. Yet, the possibility exists RIP-R-STRIPPER can be utilized in and/or subjected to job applications not perceived and/or anticipated by manufacturer. Such misuse and/or misapplication of RIP-R-STRIPPER can lead to possibility of serious damage, injury or even death.
- It is responsibility of owner(s) and/or operator(s) to determine RIP-R-STRIPPER is utilized and/or operated within scope of its intended job function.

OPERATOR INSTRUCTIONAL DATA SHEET

The following undersigned operators of RIP-R-STRIPPER described and/or pertaining to this Operator Manual have received formal safety and operational information/instruction from undersigned owner(s)/instructor(s) in accordance to OSHA 29 CFR 1926.21 (b)(2) and/or applicable updated revisions pertaining to, but not necessarily limited to the:

1. READING, COMPREHENSION AND ACKNOWLEDGEMENT OF MATERIAL COMPRISING ENTIRE CONTENTS OF APPLICABLE OPERATOR MANUAL FOR RIP-R-STRIPPER.
2. FORMALIZED OPERATOR SAFETY PROGRAM TO BE DEvised BY OWNER OF RIP-R-STRIPPER IN CONJUNCTION WITH CONTENTS OF APPLICABLE OPERATOR MANUAL FOR RIP-R-STRIPPER.
3. OSHA RULES AND REGULATIONS RESEARCHED FOR AND/OR BY OWNER OF RIP-R-STRIPPER AND DEEMED APPLICABLE TO SAFE AND PROPER USE AND/OR OPERATION OF RIP-R-STRIPPER FOR ANY SPECIFIC JOB APPLICATION.
4. LOCAL LAWS, REGULATIONS AND CUSTOMS RESEARCHED FOR AND/OR BY OWNER OF RIP-R-STRIPPER AND DEEMED APPLICABLE TO SAFE AND PROPER USE AND/OR OPERATION OF RIP-R-STRIPPER FOR ANY SPECIFIC JOB APPLICATION.
5. FORMALIZED MAINTENANCE PROGRAM FOR RIP-R-STRIPPER TO BE DEvised BY OWNER OF RIP-R-STRIPPER IN ACCORDANCE WITH, BUT NOT NECESSARILY LIMITED TO, SPECIFICATIONS, GUIDELINES AND OPERATIONAL INFORMATION CONTAINED IN APPLICABLE OPERATOR MANUAL.
6. COMPREHENSIVE OPERATIONAL INSTRUCTIONS FOR CORRECT AND PROPER USE OF RIP-R-STRIPPER AS PER CONTENTS OF APPLICABLE OPERATOR MANUAL.

_____	Operator	_____	Owner/Instructor	_____	Date
_____	Operator	_____	Owner/Instructor	_____	Date
_____	Operator	_____	Owner/Instructor	_____	Date
_____	Operator	_____	Owner/Instructor	_____	Date
_____	Operator	_____	Owner/Instructor	_____	Date
_____	Operator	_____	Owner/Instructor	_____	Date
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_____	Operator	_____	Owner/Instructor	_____	Date
_____	Operator	_____	Owner/Instructor	_____	Date

NOTE: INSERT COPIES OF THIS PAGE WITHIN OPERATOR'S MANUAL IF SPACE FOR ADDITIONAL OPERATORS IS REQUIRED.

1 INTRODUCTION

Congratulations on your decision to purchase a General Equipment light construction product. From our humble beginnings in 1955, it has been a continuing objective of General Equipment Company to manufacture equipment that delivers uncompromising value, service life and investment return. Because of this continuous commitment for excellence, many products bearing the General name actually set the standard by which competitive products are judged.

When you purchased this product, you also gained access to a team of dedicated, knowledgeable, support personnel that stand willing and ready to provide field support assistance. Our team of sales representatives and in-house factory personnel are available to ensure each General product delivers the intended performance and product safety you expect. Our personnel can readily answer your questions or concerns regarding proper applications, service requirements and warranty related problems.

If you have any questions or concerns about this product, please feel free to contact our Customer Service Department during normal business hours using the contact information located on the front cover of this manual. There is no charge for this service.

Sincerely,
The General Equipment Team

2 INTENDED USE

The RIP-R-STRIPPER is intended for use in removing ceramic tile, hardwood flooring and other similar materials from cement surfaces in a nonexplosive atmosphere. The machine is operated by one adult of proper operator experience/skill/common sense, height, weight, strength and physical condition. Minors should never be allowed to operate the RIP-R-STRIPPER.

RIP-R-STRIPPER is classified as a low cost, push style, low power, portable type machine. The number of practical and/or suitable job applications for this type machine is limited. A particular job application variables and operator experience/skill/common sense may require a different type machine, method, and/or process to properly complete job efficiently and safely. Contact Customer Service Department for specific information regarding suitable job applications, job sites, flooring conditions and operator experience/skill/common sense recommendations for RIP-R-STRIPPER BEFORE utilization.

Never exceed the recommended capacities of the RIP-R-STRIPPER. Refer to BEFORE OPERATING and SPECIFICATIONS sections in this manual for more detailed information. Always utilize correct chisels, blades and extension cord designed for use with the RIP-R-STRIPPER. Use of an incorrect chisel, blade or extension cord can result in property damage and/or personal injury.

OPERATIONAL DISCLAIMER

The manufacturer of this RIP-R-STRIPPER makes no warranty or guarantee it is merchantable and/or suitable for a specific job application and that it will have the power required to dig a specific diameter hole down to a specific depth in a specific soil classification.

3 TRAINING

Develop a comprehensive program for safe RIP-R-STRIPPER operation by owner(s) and/or operator(s). Program will include, but is not limited to: instructional operation requirements, applicable OSHA requirements, local laws and regulations, job site safety plus RIP-R-STRIPPER maintenance. Constantly examine and upgrade program to guarantee owner(s) and/or operator(s) safety. Each operator must be fully instructed regarding specifics of this safety program.

4 SAFETY SYMBOLS

SAFETY ALERT SYMBOL & SIGNAL WORDS

The safety alert "general warning" symbol indicates a potential personal injury hazard. A signal word (DANGER, WARNING, or CAUTION) is used with the alert symbol to designate the degree or level of hazard seriousness. Other safety symbols may be used to represent the type of hazard in combination with "general warning" symbol, in highlighted boxes, or individually.

DANGER:

Indicates a hazard with a high level of risk which, if not voided, will result in death or serious injury.

WARNING:

Indicates a hazard with a medium level of risk which, if not avoided, could result in death or serious injury.

CAUTION:

Indicates a hazard with a low level of risk which, if not avoided, could result in minor or moderate injury.

The following safety alert symbols identify important safety messages in this manual. When you see these symbols, be alert to the possibility of personal injury and carefully read the message that follows.

HAZARD SYMBOLS & MEANINGS

Symbol	Meaning	Symbol	Meaning
	Action Required		No Trash Containers
	Read Manual		General Warning
	Wear Ear Protection		Warning, Flammable Material
	Wear Eye Protection		Warning, Explosive Material
	Wear Protective Gloves		Warning, Toxic Material
	Wear Safety Shoes		Warning, Electricity
	Wear Breathing Protection		Warning, Body Entrapment
	Disconnect From Power		Warning, Sharp Element
	No Open Flame		Warning, Floor Level Obstacle
	No Smoking		Warning, Drop Off
	No Active Mobile Phone		Warning, Slippery Surface
	No Food Or Drink		

5 SAFETY INSTRUCTIONS



WARNING

- These safety instructions provide guidelines to promote safety and efficiency with the RIP-R-STRIPPER.
- No warranty, guarantee or representation is made by manufacturer as to absolute correctness or sufficiency of any information or statement.
- Safety instructions are intended to deal with common practices and conditions encountered in the use of RIP-R-STRIPPER and are not intended to be all inclusive.
- Not following instructions in this manual can result in property damage, personal injury and/or death.



DANGER



- This product can expose you to chemicals including greases, lubrication oils, silica dusts and asbestos which are known to the State of California to cause cancer and carbon monoxide (if gas powered) which can cause birth defects or other reproductive harm. For more information: www.P65Warnings.ca.gov.

NOTE: For SDS (Safety Data Sheets) pertaining to materials such as oil, lubricants and/or solvents used in conjunction with RIP-R-STRIPPER, visit the LIBRARY section of our website at www.generalequip.com.

BEFORE OPERATING



1. BEFORE operating RIP-R-STRIPPER, read this manual plus applicable safety/operational information supplied by electric breaker manufacturer to familiarize each operator with correct operating procedures.
2. Visually inspect RIP-R-STRIPPER per MAINTENANCE INSTRUCTIONS STEPS 5 through 12 of this manual.
3. Determine RIP-R-STRIPPER is in original, factory configuration and has not been modified in any manner. If questions arise about possible modifications, contact the Customer Service Department BEFORE utilization. There is no charge for this service.
4. Always start and stop RIP-R-STRIPPER according to instructions to minimize possibility of unexpected or uncontrolled chisel/blade movement. Know how stop unit in an emergency.

Physical Exertion/Body Strain

Operating RIP-R-STRIPPER requires proper physical stamina, mental alertness and is strenuous. Operators must be in proper physical condition, mental health and not under the influence of any substance (drugs, alcohol, etc.) which might impair vision, dexterity or judgment. Take work breaks to maintain stamina and alertness. If you have condition(s) that might be aggravated by strenuous work, check with doctor BEFORE operating.

Vibration

Prolonged use of RIP-R-STRIPPER (or other, similar machines) exposes operator to vibrations which may produce Whitefinger Disease (Raynaud's Phenomenon) reducing hand's ability to feel and regulate temperature, produce numbness and burning sensations and may cause nerve, circulation damage and tissue necrosis. Continuous and regular users should closely monitor condition of hands and fingers. After each period of use, exercise to restore normal blood circulation. If any symptoms appear, seek medical advice immediately.

Noise

Electric breaker mounted to RIP-R-STRIPPER and actual floor covering removal process creates exposure to high noise emission levels that can result in hearing loss or damage. Hearing protection is required while operating or when near operating equipment. Continuous and regular operators should have hearing checked regularly.

Clothing

Clothing must be sturdy, snug fitting, but allow complete freedom of movement. Never wear loose fitting jackets, scarves, neckties, jewelry, flared or cuffed pants or anything that could become caught on controls or moving parts. Properly secure eyeglasses, hearing aid devices and other medical related devices. Wear long pants to protect legs. Protect hands and improve grip with heavy duty, nonslip gloves. Wear and properly lace sturdy boots with nonslip soles. Steel-toed safety shoes are mandatory. Wear approved safety hard hat where there is danger of head injuries and/or approved breathing mask where danger of airborne particulate contamination is present.

Flying Debris

Floor covering removal process can result in flying debris. Eye protection and appropriate safety apparel is required when near or operating RIP-R-STRIPPER. DO NOT operate unit with onlookers or animals close by.

BACK CARE & PROPER LIFTING PROCEDURES

Operators will be required to lift RIP-R-STRIPPER, as demanded by specific job applications. When lifting, two people are required. Utilize proper lifting techniques to minimize fatigue and back-related injuries.

Back Anatomy

The human body is supported by the spinal column consisting of thirty bones called vertebrae, all linked and supported by a series of tiny muscles. Pads called discs separate each vertebrae, acting as cushions to pressure from external forces. Spinal column is wrapped by nerve system with three sections that require being kept in natural alignment to prevent discomfort:

- Cervical: From base of neck to the brain.
- Thoracic: From middle to lower back.
- Lumbar: From lower back to buttocks area.

BACK CARE PREVENTATIVE MEASURES

Most occupational physicians agree on several "universal" preventative measures an operator should follow to help lower risk of back-related injuries:

1. Maintain proper body weight.
2. Eliminate/reduce use of tobacco. Smoking reduces oxygen supply and nutrients to discs cushioning vertebrae.
3. Develop a consistent exercise routine.
4. Maintain good posture while walking or sitting.
5. Watch how you twist/bend your body. Twisting/bending incorrectly can exert too much pressure on one side of your vertebrae.
6. Use firm footing, keep intended path clear before carrying RIP-R-STRIPPER.
7. Always use proper lifting techniques as described below.

PROPER LIFTING PROCEDURES

The following are guidelines for properly lifting RIP-R-STRIPPER are not intended to be all inclusive. Plan your path and make sure there are no obstructions or tripping hazards. Consider how you will set the load. The spinal column is a very sensitive mechanism. At any given time, improper lifting procedures can cause damage that can lead to injury.

1. Position your feet a comfortable distance (shoulder width) apart to help provide necessary balance.
2. Tighten stomach muscles by pulling in your stomach. Keep your back as straight as possible to keep spine, back muscles/ligaments in alignment.
3. Bend at hips and knees as much as possible.
4. Start lifting RIP-R-STRIPPER by thrusting feet while lifting as much as possible with your leg muscles. Use smooth movements.
5. Once RIP-R-STRIPPER is lifted, keep it close as possible to the body. Avoid turning at the waist. To turn, pivot your entire body.
6. Keep your shoulders, hips and feet pointed in same direction.

IMPORTANT: Use firm footing, keep intended path clear before carrying RIP-R-STRIPPER.

TRANSPORTATION



1. When transporting RIP-R-STRIPPER, remove extension cord and store. Remove accessory tool from electric breaker according to INSTALLING & REMOVING ACCESSORY TOOLS in MACHINE SET-UP section of this manual when in following operating conditions:
 - a) To and from jobsite.
 - b) Longer distances while being repositioned on jobsite.
 - c) Traversing up and down stairways.
 - d) Performing maintenance and/or repairs.
 - e) Lifting/lowering from transportation vehicle.

DANGER

- Lifting/lowering and transporting RIP-R-STRIPPER with accessory tool installed and/or improperly secured can result in property damage and/or personal injury.

DANGER

- Disconnect extension cord from RIP-R-STRIPPER when traversing up and down stairs.
- Improperly stored/connected cord can entrap and/or entangle personnel.
- Such occurrence can result in property damage and/or personal injury.

2. To use two people to lift/lower machine, grip both sides of operator handles and breaker tool receiver.

DANGER

- **DO NOT attempt carrying/lifting/lowering RIP-R-STRIPPER into/from transportation vehicle using only one person.**
- **Use two people or appropriate capacity power tailgate unit or hoist for such applications.**
- **Personnel not in proper physical/mental condition or unfamiliar in operation of lifting devices should not attempt such procedures.**
- **Such actions can result in property damage and/or personal injury.**

3. Use mechanical device to lift/lower machine. Attach chain and suitable attachment device to lifting bail area on upper frame side. FIGURE 1

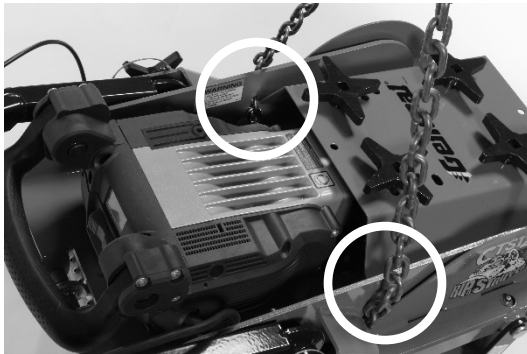


FIGURE 1

NOTE: This location may not always be the exact center of gravity for the machine.

DANGER

- **Exercise extreme caution using mechanical lift devices.**
- **Use mechanical lift devices in accordance with their static and dynamic design envelope.**
- **DO NOT use mechanical lift devices until lift device operation/application guidelines are properly known and understood by all applicable personnel.**
- **Failure to properly use mechanical lifting device can result in property damage and/or personal injury.**

4. To reduce storage area and minimize damage, transport RIP-R-STRIPPER in normal upright position with operator handle folded relative to main frame. Refer to MACHINE SET-UP section of this manual.
- **DO NOT** allow operator handle and main frame to make direct contact with each other while transporting. Provide proper protection between RIP-R-STRIPPER components and vehicle.
 - **DO NOT** drop unit directly against breaker tool receiver or wheels to prevent damage to machine and/or breaker.
5. All equipment must be secured in/on vehicles with suitable strapping or tie downs. Personnel should not be transported in same compartment as equipment and supplies. Consult applicable OSHA regulations for specific information.

CAUTION

- An improperly secured RIP-R-STRIPPER and related accessories can fall from moving vehicle and result in property damage and/or personal injury.

DETERMINATION OF POTENTIAL SUBSURFACE HAZARDS IN PROPOSED FLOORING REMOVAL LOCATION(S)



RIP-R-STRIPPER operator handle grips are constructed of non-metallic, composite material and do not guarantee operators will be properly insulated from contact with charged electrical cables. RIP-R-STRIPPER and related accessories are not classified as insulated.

RIP-R-STRIPPER is not sealed or insulated. **DO NOT** operate RIP-R-STRIPPER in an explosive atmosphere or near combustible materials. Refer to OSHA rules and regulations.

DANGER

- **Always assume floor covering removal location contains buried underground obstructions.**
- **BEFORE attempting to operate RIP-R-STRIPPER in proposed location(s), call 811 and/or visit www.Call811.com.**
- **Contact all appropriate agencies to determine exact location(s) of all buried pipelines, powerlines and material debris.**
- **Many utilities and other agencies will perform these tasks at minimal charge or at no cost. Have all subsurface hazards marked for easy recognition.**
- **Direct contact with these and other subsurface hazards can result in property damage and/or personal injury through such things as electrocution and/or explosion.**

DANGER

BEFORE attempting to operate RIP-R-STRIPPER, identify/mark all potential subsurface hazards in proposed floor covering removal location(s). Potential subsurface hazards may include, but may not be limited to the following:

1. Buried debris, rotted timbers or wood planking.
2. Buried pressurized pipelines (e.g. natural gas, propane, etc.)
3. Buried electrical cables.

DETERMINATION OF POTENTIAL ABOVE SURFACE HAZARDS IN PROPOSED FLOORING REMOVAL LOCATION(S)



Normal RIP-R-STRIPPER use is on level surfaces. Avoid other surface conditions which can be dangerous. Special care must be exercised on slippery and/or difficult/uneven surfaces. Watch for cracks, high spots/other surface irregularities or drop offs to lower floor levels. Operate only when/where visibility and light are adequate for the job at hand. Remove any trip/fall hazard BEFORE operating RIP-R-STRIPPER. Keep proper footing and balance at all times.

WARNING

- **DO NOT operate RIP-R-STRIPPER on jobsite location where forces generated during floor covering removal process can allow body parts to come in direct contact with vertical wall, foundation or other support type structures in close proximity.**
- **Such occurrence can result in property damage and/or personal injury. Always maintain a safe and reasonable distance from these type structures.**

OPERATIONAL HAZARDS



1. RIP-R-STRIPPER is designed to substantially enhance machine control and reduce operator fatigue provided accessory tool does not directly contact larger, protruding obstructions (anchor bolts, pipes, nail heads, columns, openings, large cracks, utility outlets, material variances, etc., or any objects protruding from work surface). Such contact can result in rapid and jerky movement of machine and loss of machine control.

CAUTION

- Exercise extreme caution when operating RIP-R-STRIPPER in vicinity of anchor bolts, pipes, columns, openings, large cracks, utility outlets or any other object protruding from work surface.
- Contact with such objects can lead to loss of machine control, resulting in property damage and or personal injury.

WARNING

- Exercise extreme caution when operating RIP-R-STRIPPER on above ground level floors to prevent loss of control allowing machine and/or operator to fall down to lower levels.
- When moving backwards during floor covering removal process, be aware of potential drop-offs and obstructions on jobsite.

2. The floor covering material removal process can produce sparks, dusts and other foreign particle contamination that can result in fire and/or explosion depending on existing jobsite conditions.

WARNING

- Sparks produced by action of accessory tool against work surface (e.g.-striking anchor bolts) can result in fire and/or explosion depending on existing environmental conditions.
- This occurrence can result in property damage and/or personal injury.

3. Many covering materials, adhesives or mastics can contain asbestos and other chemicals that are known to cause physical harm and/or affect the environment.
4. Excessive water, and/or other conductive materials on work surface can result in electrocution of operator and/or other personnel.

WARNING

- Water and other conductive materials on work surface increases electrocution hazard potential for operator and other personnel.
- Determine RIP-R-STRIPPER is properly grounded (no faults), power cords are free of cuts, abrasions and/or exposed cable strands..
- Improper grounding and use of damaged power cords and/or GFI can result in property damage and/or personal injury.
- DO NOT expose RIP-R-STRIPPER to rain or wet operating conditions.
- Water entering machine/breaker can increase risk of electric shock.

Preventive Measures:

- Operator must maintain physical and mental alertness. Be prepared for unexpected accessory tool contact with protruding anchor bolts, etc. and be capable to sense level of machine control they have.
- DO NOT operate RIP-R-STRIPPER on jobsite where kickback forces can allow body parts to come in direct contact with vertical wall, foundation or other support type structures. Maintain a safe and reasonable distance from these structures.

- Maintain proper operating stance for better control of machine plus, reducing operator error and fatigue. Refer to OPERATOR STANCES in OPERATING INSTRUCTIONS section of this manual for more information.
- Remove water and/or conductive materials by industry-approved and/or accepted practice BEFORE removing floor covering. Determine RIP-R-STRIPPER is properly grounded and extension cords are free of cuts, abrasions and/or exposed cable strands.
- Dust and other particle contamination can be controlled by use of appropriate industrial-type dust collection system to remove/control dust and other particle contamination from work surface.

WARNING

- Creation of dust and other foreign particle contamination from floor covering removal process can result in property damage and/or personal injury.
- For such operating conditions, always wear NIOSH/MSHA approved dust/mist respirator and appropriate safety related apparel.
- Consult applicable OSHA regulations for specific information.

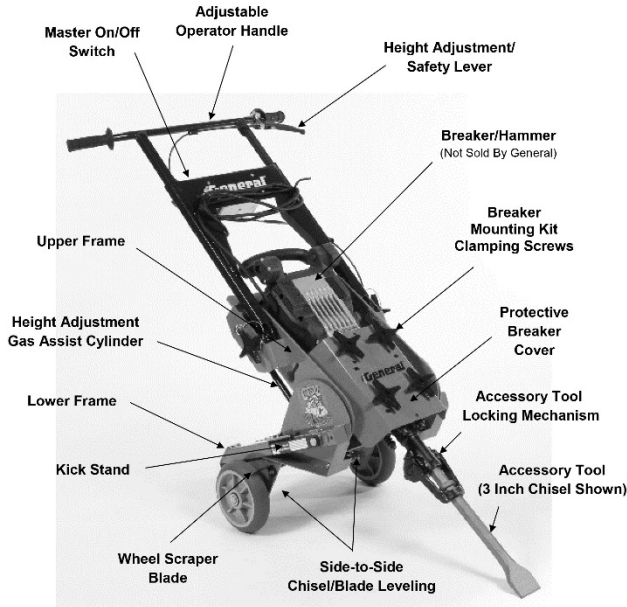
WARNING

- Always use dust collection system that meets specific job site requirements.
- Dust materials can meet Class II and Class III National Electric Code specifications for hazardous materials.
- Consideration must be given to create of hazardous materials requiring specific disposal procedures.
- Determine dust collection system is properly designed to operate within these atmospheres.
- Consult current National Electric Code, OSHA and EPA regulations for specific information.

WARNING

- Always use water mist spray system that meets specific job site requirements.
- Dust materials can meet Class II and Class III National Electric Code specifications for hazardous materials.
- Consideration must be given to create of hazardous materials requiring specific disposal procedures.
- Determine water mist spray system is properly designed to operate within these atmospheres.
- Consult current National Electric Code, OSHA and EPA regulations for specific information.

6 MACHINE SPECIFICATIONS



Note:
Breaker mounting kit clamps are not shown in photo above.

FIGURE 2

FRAME STRUCTURE	Unitized, welded steel plate.
DRIVE SYSTEM	Direct impulse provided by electric breaker.
BREAKER SIZE RANGE	35 to 45 Ft.-lb. (47.5 to 61.0 J) class.
BREAKER INPUT VOLTAGE	115 VAC, 60 Hz depending on specific country/area of location.
BREAKER AMPERES	15 amperes average draw, consult material supplied by specific breaker manufacturer.
BREAKER RATED WATTS	Consult material supplied by specific breaker manufacturer.
NUMBER URETHANE MOUNTING BLOCK SETS	2
OUTSIDE WHEEL WIDTH	21-1/4 inches (540 mm)
OPERATOR HANDLE WIDTH	30 inches (762 mm)
TRANSPORT LENGTH	28 inches (711 mm), less breaker.
HEIGHT	25 inches (636 mm), less breaker.
WEIGHT	130 lbs. (58 Kg), less breaker.
EXTENSION CORDS	Minimum rating for non-manufacturer supplied extension cords SJTW 12 AWG/3C (3 x 3.31 mm ²) up to a maximum cord length of 75 feet (22.9 M).
OPERATING ENVIRONMENTS	Non-hazardous type locations.
REQUIRED NUMBER OF OPERATORS	1

NOTE: Noise and vibration levels are dependent on specific breaker installed. Check breaker manufacturer for sound and vibration values.

RIP-R-STRIPPER POWER SOURCE

The RIP-R-STRIPPER is designed to operate from a clean, 15 ampere, 115 VAC, 60 Hz, nominal power source. Contact Customer Service Department for information when operating from 220 VAC, 50 Hz power source. Clean power refers to amperage available from individual electrical circuit selected.

Additional electrical products already using same circuit will reduce available amperage resulting in starting/operational difficulties. Check proper voltage and amperage levels in addition to power source being properly grounded.

Proper voltage and amperage to electric breaker is essential for maximum productivity and service life. Low voltage and amperage will cause breaker to overheat and can cause unrepairable damage to breaker and related controls. An improperly grounded circuit increases risk of electric shock. A qualified electrician may need to be consulted.

NOTE: Many electric breakers DO NOT incorporate a motor winding temperature monitor system warning of harmful temperature levels. High temperatures can damage internal breaker components.

7 STANDARD PRODUCT & ACCESSORIES

Refer to FIGURE 2 for overview description of standard components included in machine. Included in shipment for CTS12GEN2 RIP-R-STRIPPER should be the following:

- 1 each, Model CTS12GEN2 RIP-R-STRIPPER
- 1 each, Mounting kit for specific electric breaker
- 1 each, Final inspection form

NOTE: Breakers are not supplied by General Equipment Company.

CTS12GEN2 RIP-R-STRIPPER is designed for use with the following breakers:









- Bosch® GSH16-28
- DeWalt® D25941K
- Hilti® TE905-AVR
- Hilti® TE1000-AVR
- Hitachi® H65SD2
- Makita® HM1500B
- Makita® HM1317CB
- Makita® HM1307CB

BREAKER MOUNTING KITS

	Part #	Description	Weight (in lbs)
	CTS12-1000A	Mounting kit for Makita® HM1500B electric-powered, cement breaker.	14.3
	CTS12-1100A	Mounting kit for Makita® HM1317CB and HM1307CB electric-powered, cement breaker.	14.5
	CTS12-1200A	Mounting kit for Bosch® 11335K electric-powered, cement breaker.	14.5
	CTS12-1300A	Mounting kit for Hilti® TE905-AVR electric-powered, cement breaker.	14.4
	CTS12-1410A	Mounting kit for Hilti® TE1000-AVR electric-powered, cement breaker.	15.3
	CTS12-1600A	Mounting kit for Hitachi® H65SD2 electric-powered, cement breaker.	14.5
	CTS12-2100A	Mounting kit for DeWalt® D25941K electric-powered, cement breaker.	15.0

ACCESSORY TOOLS

NOTE: All tools are for use in general purpose projects on cement surfaces. All chisels are for ceramic tile and wood floor coverings removal. All scraper blades are for glued carpet, soft sheet type linoleum, rubber, PVC, plus, VCT and linoleum tile, adhesives, mastics, material build ups, etc., removal.

	Part #	Description	Weight (in lbs)
	102-1000	Standard moil point, 1-1/8 inch (28.5 mm) hexagon x 6 inch (152.4 mm) shank. For cement demolition.	5.8
	102-1100	Standard narrow chisel, 1-1/8 inch (28.5 mm) hexagon x 6 inch (152.4 mm) shank.	5.9
	102-1200	Standard 3 inch (76.3 mm) chisel, 1-1/8 inch (28.5 mm) hexagon x 6 inch (152.4 mm) shank.	6.0
	102-1400	Standard 5 inch (76.3 mm) chisel, 1-1/8 inch (28.5 mm) hexagon x 6 inch (152.4 mm) shank.	8.5
	102-1500A	Blade scraper holder, 1-1/8 inch (28.5 mm) hexagon x 6 inch (152.4 mm) shank.	9.0
	CTS12-1801	Blade, scraper, 5-1/2 inch (140 mm) wide, .135 inches (3.4 mm) thick. Package of 1 blade.	1.0
	CTS12-1901	Blade scraper, 8 inch (203 mm) wide, .135 inches (3.4 mm) thick. Package of 1 blade.	1.2
	CTS12-2001	Blade, scraper, 12 inch (305 mm) wide, .135 inches (3.4 mm) thick. Package of 1 blade.	1.8

8 MACHINE SET-UP



Open shipping carton immediately upon receipt. Remove RIP-R-STRIPPER from carton. Visually inspect contents for freight damage and/or missing parts. If shipping damage is evident, contact delivering carrier immediately to arrange for an inspection of damage by their claims representative. **DO NOT DESTROY OR DISCARD SHIPPING CARTON UNTIL INSTRUCTED BY AUTHORIZED REPRESENTATIVE OF CARRIER OR FACTORY.** If missing parts are detected, notify your dealer who will assist you in obtaining them.

NOTE: If ordered with RIP-R-STRIPPER, optional chisels, blades and accessories can be shipped separately or included in shipping carton.

NOTE: All lubrication fittings are lubricated at factory and will not require further servicing until first scheduled maintenance.

INSTALLING MOUNTING KIT TO MAIN FRAME



Installation of mounting kit assembly will require a level work surface of appropriate size and height.

1. Unfold operator handle from storage position and insert ball-detent pins through operator handle and main frame. Check ball-detent pins are inserted to fully expose ball detent and properly lock in position to prevent unexpected handle movement. FIGURE 3

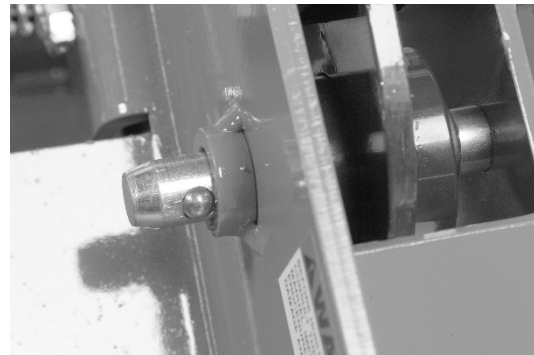


FIGURE 3

2. Deploy kickstands on both sides of main frame to assist in mounting kit, electric breaker and accessory tool installation. Proceed as follows:
 - a) Rotate/position kickstand leg clamp to rear of main frame.
 - b) Rotate kickstand leg forward until it wedges against main frame to prevent machine from falling forward or backwards. Weight of main frame is intended to help keep kickstand leg in position. FIGURE 4



FIGURE 4

- c) To retract kickstands, reverse above procedure. Determine clamp correctly positions itself in kickstand leg detent to prevent kickstand movement/wear.

NOTE: Mounting kits incorporate two urethane block sets to retain an electric breaker in position. Blocks are held inside two (top and bottom) steel assemblies. Bottom assembly is directly fastened to main frame. Top assembly is secured to bottom assembly by four (4) clamping screws. FIGURE 5



FIGURE 5

NOTE: For typical electric breaker installation, one set of urethane blocks with smaller inside opening is located near breaker accessory tool receiver (BOTTOM). The other block set with larger inside opening is located near location of carry handle location (TOP).

3. Install bottom weld assembly to main frame using supplied capscrews and lockwashers. DO NOT substitute with other fasteners. Tighten to 31 Nm (23 ft-lbs), DO NOT overtighten. FIGURE 6

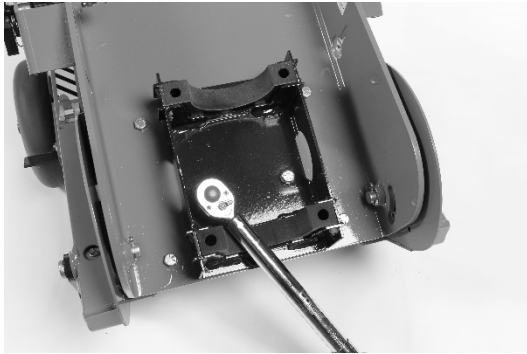


FIGURE 6

INSTALLING ELECTRIC BREAKER TO MAIN FRAME



1. If so equipped, remove attached breaker carry handle and store for potential reuse. Refer to material supplied by specific breaker manufacturer for additional information.
2. Install electric breaker into bottom urethane blocks/weld assembly. Any breaker identification/logo normally faces operator (TOP). Route breaker power cord clear of operator handle assembly. Typical installation is depicted in FIGURE 7.

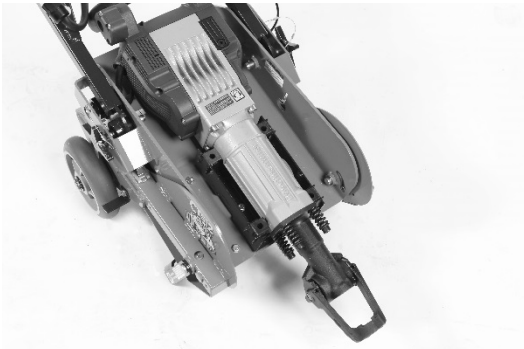


FIGURE 7

- a) Any breaker power cord reinforcement may contact main frame. This is acceptable if there is no relative movement during normal operation.
- b) Breaker receiver will normally be located adjacent to a urethane block. FIGURE 8

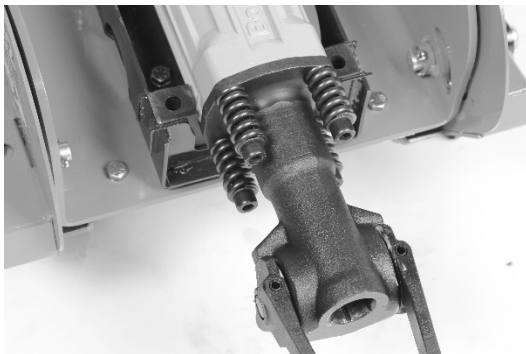


FIGURE 8

NOTE: Female hexagon shaped tool receiver orientation to breaker body can vary between manufacturers. Typical configuration depicted in FIGURE 8.

- c) Any breaker body casting recess for carry handle is normally used for top urethane block set. Installation variances may exist depending on specific breaker manufacturer/model. FIGURE 9 is for illustrative purposes only.

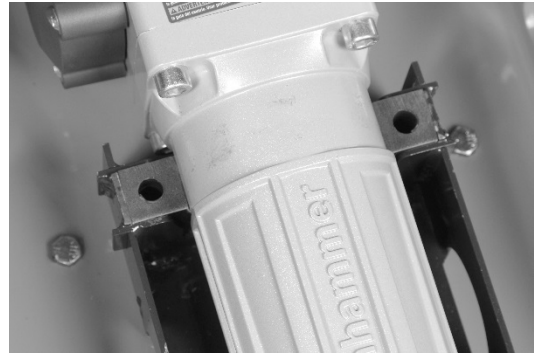


FIGURE 9

- d) Determine breaker is properly centered, positioned top to bottom within urethane blocks and horizontally level against main frame for operational function/stability.

NOTE: HILTI TE-1000-AVR breaker body is mounted perpendicular to main frame and work surface.

3. Install top weld assembly aligning/centering upper and lower urethane blocks. Typical installation depicted FIGURE 10.

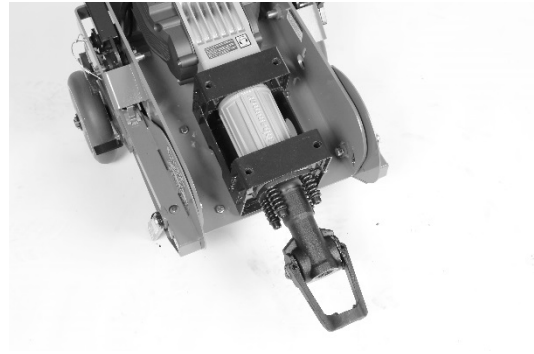


FIGURE 10

4. Align cover hole pattern to holes in top weld assembly. Refer to decal applied to cover bottom side for specific mounting information on all approved breakers. FIGURE 11



FIGURE 11

5. Insert four clamping screws through holes in cover, weld assemblies, urethane blocks and into threaded holes of main frame. Hand tighten in "X" pattern until top and bottom weld assemblies come into direct contact compressing urethane blocks against breaker body for proper retention. FIGURE 12

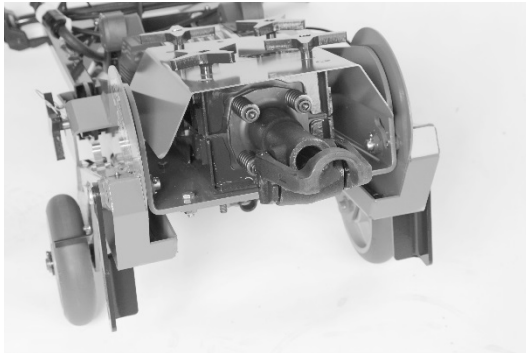


FIGURE 12

NOTE: Clamping screws can be tightened using 1/2 inch (13 mm) drive ratchet or torque bar along with appropriate length extension. DO NOT overtighten. FIGURE 13

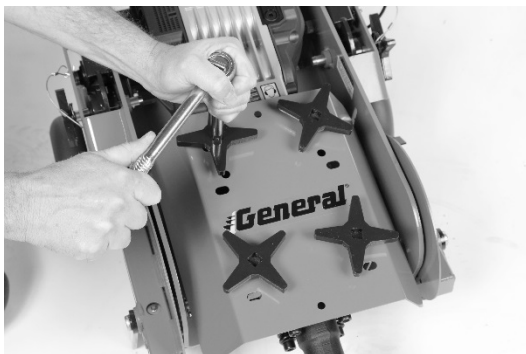


FIGURE 13

6. On fixed section of operator handles, wrap excess breaker electrical cord around storage holders and connect plug into receptacle of machine ON/OFF switch box. FIGURE 14



FIGURE 14

7. Verify extension system allows electric breaker attack angle to be properly repositioned and locked into position. Determine detent lock system prevents extension lever from being actuated without red safety latch lever from first being deployed. When extension lever is deployed and released, a properly adjusted cable will allow lever to return to closed position without any exposed cable and detent lock pin to be properly engaged.
8. Check all fasteners for looseness. Tighten as necessary.
9. Verify ON/OFF switch of RIP-R-STRIPPER and electric breaker operate correctly per SET-UP & STOPPING RIP-R-STRIPPER steps in OPERATING INSTRUCTIONS section of this manual.

10. Determine all components of RIP-R-STRIPPER and breaker allow for proper function as stated in this operator manual and information supplied by breaker manufacturer.

INSTALLING & REMOVING ACCESSORY TOOLS



Tools Required: None, except as noted.

RIP-R-STRIPPER is designed to mount a wide variety of breaker models. No standard/specific accessory mounting tool procedure can be developed. As a general rule, these basic installation steps can be followed:

1. Turn RIP-R-STRIPPER and breaker ON/OFF power switch to OFF position. Disconnect extension cord of RIP-R-STRIPPER from power source. Disconnect breaker power cord from switch box of RIP-R-STRIPPER.
2. On level surface, place operator handles into work position and deploy kickstands per STEPS 1 & 2 of INSTALLING MOUNTING KIT TO MAIN FRAME section of this addendum.
3. Raise operator handle to approximately 45 degrees from floor or desired position following this procedure:

- a) Use left forefinger, depress and hold red safety latch lever. FIGURE 15



FIGURE 15

- b) At same time, using left hand, pull/depress extension system lever to release locked detent pin. FIGURE 16



FIGURE 16

- c) Raise or lower operator handles/breaker to desired position. Nine locking positions are provided.
- d) Release red safety latch and extension system lever simultaneously to allow detent pin to lock in position.

NOTE: When adjusting operator handles, ensure red safety latch and extension system lever are fully depressed or released and detent locking pin fully engaged/locked to prevent damage to system and/or handle from dropping suddenly.

4. Inspect breaker accessory tool for deformation and/or cracking. If present, discard and replace. Consult specific accessory tool operational and safety information supplied by tool manufacturer.

5. Align/install full length, male accessory tool shank into breaker receiver. FIGURE 17 is for illustrative purposes only.



FIGURE 17

6. Deploy breaker accessory tool locking device to properly retain accessory tool in receiver. Deployment methods or procedures may differ between manufacturers and breaker models. Consult breaker manufacturer for specific information. FIGURE 18 is for illustrative purposes only.



FIGURE 18

7. Retract integral kick stands and secure clamps allowing full accessory tool contact with level work surface.
8. Determine full accessory tool cutting edge contacts work surface. If not, adjust right and/or left rear wheels as necessary until full tool edge contacts work surface using (2) 15/16 inch (24 mm) open end/combination wrenches. FIGURE 19

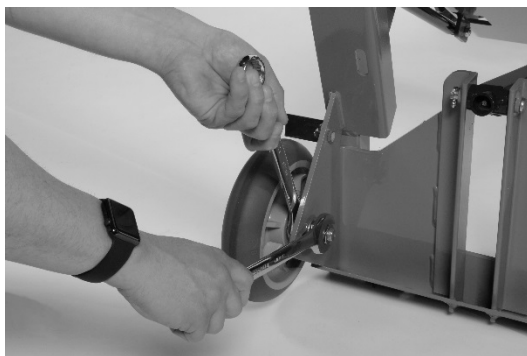


FIGURE 19

NOTE: For proper floor covering removal action, even tool wear, increased productivity and reduced operator fatigue/stress, full accessory tool cutting edge width must contact work surface/floor covering interface.

9. To remove accessory tool, redeploy kickstands and reverse STEPS 5 & 6.
10. If RIP-R-STRIPPER is to be placed back into service immediately lower machine so tool rests on floor then reverse procedure in Step 1 under INSTALLING & REMOVING ACCESSORY TOOLS. If not being placed back into immediate service, refer to STORAGE INSTRUCTIONS section of this manual.

9 APPLICATION THEORY & TECHNIQUES

THEORY OF OPERATION

The RIP-R-STRIPPER operates on principle of accessory tools directly impacting (back and forth) action to remove a variety of floor covering materials from work surfaces. This action is supplied by an electrically powered breaker secured to main frame of machine. Accessory tools utilized will affect type of materials to be removed, material removal rate(s) and resulting smoothness of work surface.

Floor coverings removal process is directly controlled by:

1. Tool type, impact angle and sharpness.
2. Sufficient machine weight and/or down force as provided by operator to accessory tool to effectively penetrate and remove floor covering material.
3. Adequate force exerted against RIP-R-STRIPPER by operator to push accessory tool against floor covering material to deliver acceptable productivity rates.
4. Type, density, thickness and adhesion of adhesives, mastics, thinsets and type of floor covering material.
5. No two floor covering materials are exactly alike, no two floor covering materials can be removed by exact same method and overall operator fed rates vary. The floor covering removal process, along with operator experience, skill and common sense, suggests flooring removal is a matter of trial and error and directly determines overall success of the job application.

ACCESSORY TOOL TYPES AND APPLICATIONS

RIP-R-STRIPPER uses electric breakers normally incorporating industry standard 1-1/8 inch (28.5 mm) hexagon x 6 inch (152.4 mm) shank accessory tools supplied by a number of manufacturers. Variances in shank configuration can exist between stock models and manufacturers. For most job applications, overall accessory tool length will vary between 18 and 22 inches (457.2 mm and 558.8 mm). Accessory tools are forged from high carbon steel and heat treated. FIGURE 20



FIGURE 20

Individual accessory tool or blade design will vary, but basic operational characteristics are identical: impact against floor surface and remove floor covering material. This common operational characteristic through extensive testing has led to use of the following popular configurations:

Standard 1 & 3 inch (25.4 mm & 76.2 mm) Wide Chisels

1. Tools remove ceramic tiles and glued-down type hardwood floors. Tool width selection is determined by bond strength of flooring materials to cement surface. Normal removal process practice starts by using 3 inch (76.2 mm) chisel to determine flooring removal effectiveness. FIGURE 21



FIGURE 21

- If 3 inch (76.2 mm) chisel encounters difficulty removing floor covering material, breaker blow force must be concentrated over a narrower tool width. Remove 3 inch (76.2 mm) chisel and install a 1 inch (25.4 mm) wide chisel and re-evaluate ease of flooring removal. Narrower tool should minimize removal difficulties, but productivity rates will normally be significantly reduced versus 3 inch (76.2 mm) chisel. FIGURE 22



FIGURE 22

- The 3 inch (76.2 mm) chisel is also effective for removing a wide range of thinset type materials from cement surfaces. When used for this purpose, risk of surface cap damage increases requiring repair before new material installation.

Wide Flat Chisels

- Flat chisels are usually available in 4 to 5 inch (101.6 mm to 127 mm) widths normally utilized with hand-held jackhammers for cutting asphalt, but can also be adapted for removing thinset-type materials. Depending upon adhesion strength to floor surface, increased removal rates can sometimes be achieved over the 1 and 3 inch (25.4 mm and 76.2 mm) chisels. FIGURE 23



FIGURE 23

Scraper Blades

RIP-R-STRIPPER uses scraper blades up to 12 inch (304.8 mm) wide for a variety of job applications, including: mastic and adhesive removal, thinset removal, plus general material build-up removal from cement surfaces.

- Scraper blades are manufactured from high carbon steel and heat treated. Blades normally feature blunt cutting edges for use with direct impact-type forces and are not intended to be resharpened unlike those normally used with hand-operated scraper products.
- Blades provided by General Equipment Company are available in 5, 8-1/2 and 12 inch (127 mm, 215.9 mm and 304.8 mm) widths. Use of specific size is normally dependent upon such factors as: type of material removed, thickness, adhesion strength and sub floor.

NOTE: Scraper blades are not intended for use on wood and certain sub floor configurations. Blade edge hammering effect can result in excessive damage to work surface.

- In general, scraper blades are used at higher angles relative to work surface for most intended use applications. Experience suggests most effective blade angle range is 35 to 60 degrees from work surface. Lower angles prevent blade edge from penetrating and allow skimming over versus removing adhesives, etc. FIGURE 24



FIGURE 24

8 OPERATING INSTRUCTIONS



IMPORTANT: DO NOT operate RIP-R-STRIPPER until each operator completely comprehends contents of this manual.



CAUTION

- If RIP-R-STRIPPER and/or an individual component/ accessory does not appear to function properly, STOP and DO NOT operate RIP-R-STRIPPER until corrective action has been completed.
- Operation with improperly functioning machine, components/ accessories can result in property damage and/or personal injury.
- If you have any questions regarding proper operation of RIP-R-STRIPPER, contact Customer Service Department for assistance BEFORE using. There is no charge for this service.



WARNING

- Floor covering removal process can produce excessive noise, vibration and flying debris.
- All operators and work personnel in RIP-R-STRIPPER vicinity must wear appropriate safety eye wear and hearing protection.
- Other safety apparel and/or procedures, deemed necessary by supervisory personnel, must also be worn and/or practiced by all appropriate personnel.



CAUTION

- Individual operator experience, skill, common sense, job site location and specific job application will affect final decision on specific operating procedures for RIP-R-STRIPPER.
- Each operator must decide if he possesses adequate/proper experience, skill and common sense for operating RIP-R-STRIPPER in any given and/or specific job application.

RIP-R-STRIPPER SET-UP ON JOBSITE

1. Position RIP-R-STRIPPER on a suitable work surface.
2. Determine electric breaker and RIP-R-STRIPPER ON/OFF switches are in OFF position and machine not connected to power source. FIGURE 25 and 26 are for illustrative purposes only.



FIGURE 25



FIGURE 26



WARNING

- Unexpected machine start-up can result in property damage and/or personal injury.

3. Raise operator handle to work position and install accessory tool per INSTALLING & REMOVING ACCESSORY TOOLS in MACHINE SET-UP section of this manual.
4. Raise or lower operator handles/breaker to desired position. Loosen threaded knobs 1/2 inch (13 mm), slide adjustable portion of operator handle to desired height near waist level then finger tighten to secure firmly in place. FIGURE 27

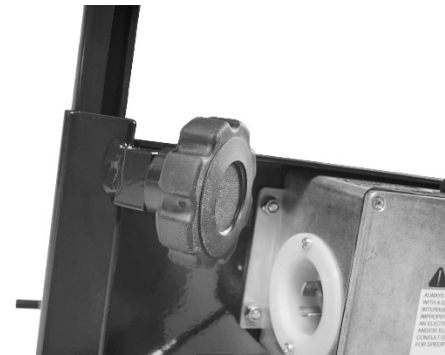


FIGURE 27

5. Connect extension cord/GFI to main connection of RIP-R-STRIPPER. FIGURE 28



FIGURE 28



WARNING

- DO NOT modify or replace any extension cord component without utilizing a factory approved component only.

6. Connect extension cord/GFI to main power source.
7. Connect additional extension cord to remaining end of first extension cord with GFI (if applicable).

IMPORTANT: If additional extension cords are required. Each cord must be of proper structural integrity and size (AWG) to meet applicable National Electric Code and OSHA requirements. An additional extension cord with integral GFI can be used in conjunction with RIP-R-STRIPPER which also has an integral GFI.



WARNING



- If operating RIP-R-STRIPPER in outside environment, use only extension cords marked "W-A" or "W".
- Such cords are rated for outside usage and reduce risk of electric shock.



WARNING

- For maximum protection against a fault, always configure GFI to be plugged into power source receptacle.
- Configurations with GFI placed between RIP-R-STRIPPER and power source will not provide maximum protection against potential fault.

DANGER

- DO NOT operate RIP-R-STRIPPER without extension cords, twist-lock connection device and GFI in proper operating condition. The GFI is intended as a safety device in event power source has a fault.
- Always assume electrical wiring on every jobsite can contain a fault.
- A fault can generate a dangerous operating configuration that can result in property damage and/or personal injury.

WARNING

- BEFORE use, inspect each extension cord and wiring device for proper structural integrity.
- DO NOT use cord with worn or cut outer jacket material or repaired with electrical tape.
- Use of cords with improper structural integrity can result in property damage and/or personal injury.

WARNING

- All electrical wiring including extension cord gauge and/or length must be installed and/or approved in accordance with local electrical codes and practices.
- An improper wiring installation can result in proper damage and/or personal injury.

WARNING

- Keep power/extension cords free and clear of machine and accessory tool.
- In event extension cord becomes entangled about RIP-R-STRIPPER and/or operator turn machine off immediately.
- Determine extension cords/GFI are in proper condition to continue operation.
- In event of damage, replace with factory approved component only.

WARNING

- DO NOT abuse the extension cord. Never use extension cord to move RIP-R-STRIPPER or pull plug from receptacle. Damage to cord can result.
- Keep cord away from heat, oil, sharp edges (including accessory tool) or moving parts.
- A damaged cord increases the risk of an electric shock.

- Position end of accessory tool on work surface with tool edge facing away from operator.

PROPER OPERATOR STANCE (FIGURE 29):

- Grasp handle grips firmly. Always hold operator handle firmly with both hands. Wrap fingers and thumbs around handle grips. Wear gloves to improve grip.
- Attempt to keep wrists and forearms inline to operator handles as much as feasible. Proper wrist position during removal process can minimize and/or reduce stress and strain related damage potential to this body area, plus, operator control can be enhanced and fatigue reduced.
- Keep upper body as vertical as possible.
- Keep feet comfortable distance apart for stability – shoulder width, one foot in front of the other.
- Operator must always stand behind machine when in use.



FIGURE 29

NOTE: Using improper operator stance (FIGURES 30 & 31)

- Reduces operator control and balance.
- Increases operator fatigue.
- Increases risk of property damage and/or personal injury.



FIGURE 30



FIGURE 31

NOTE: Proper and improper operator stances depicted in this addendum are not all inclusive.

- Grasping handle grip of RIP-R-STRIPPER firmly in one hand, turn electric breaker ON/OFF switch to ON position. FIGURE 32

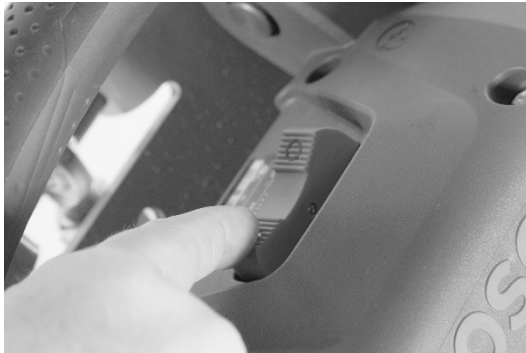


FIGURE 32

15. Grasp handle grip of RIP-R-STRIPPER firmly in one hand and turn RIP-R-STRIPPER master ON/OFF switch to ON position with other hand.
FIGURE 33



FIGURE 33



DANGER

- DO NOT modify, bypass or disable RIP-R-STRIPPER ON/OFF switch on operator handle.
- DO NOT operate machine if machine ON/OFF switch on RIP-R-STRIPPER and/or breaker is not functioning properly.
- Such configuration will not allow operator to quickly stop RIP-R-STRIPPER in event of an emergency, prevent unexpected machine start-up, loss of control and/or “runaway” machine and can result in property damage and/or personal injury.

16. Using proper operator stance, push forward with both hands on operator handle to engage accessory tool and initiate breaker action. To stop breaker action, reduce forward applied pressure. If extension cord becomes entangled about RIP-R-STRIPPER and/or operator turn machine ON/OFF switch to OFF position immediately.



DANGER

- Always maintain proper control of RIP-R-STRIPPER.
- Accessory tool may begin movement when ON/OFF switch is activated. There is no automatic motor shut off feature on machine.
- If operator loses control, a “runaway” machine can result in property damage and/or personal injury.

NOTE: If accessory tool does not properly contact internal breaker anvil, breaker blow force will not transmit to tool. Breaker will function, but floor covering cannot be removed.

17. Consistently remove loose flooring material to determine proper material removal depths and extent of work completed. Lack of proper dust collection system and/or broom use can increase problem.

IMPORTANT: Properly dispose of all accumulated floor covering materials according to international and local environmental regulations. RIP-R-STRIPPER normal use creates material build-up on machine. It is highly recommended all exposed internal/external surfaces be properly cleaned after each use plus, adjust wheel scraper clearance to minimize material build-up on wheels. DO NOT allow materials to build up around breaker.



WARNING



- Properly dispose of all accumulated floor covering materials per OSHA and EPA codes/regulations.
- Many materials can be classified as hazardous requiring proper disposal procedures.
- Contact applicable government agencies for specific information.

STOPPING RIP-R-STRIPPER



18. Turn RIP-R-STRIPPER master ON/OFF and electric breaker ON/OFF switch to OFF position between each use and when moving from one major section of work surface to another.
19. Disconnect extension cord/GFI from power source. Never leave RIP-R-STRIPPER connected to power source and unattended.
20. Disconnect extension cord/GFI and breaker power cord from RIP-R-STRIPPER.



WARNING

- Stop RIP-R-STRIPPER when moving from one major section of work surface to another.
- DO NOT choose to save time (time required to restart machine), money (if RIP-R-STRIPPER is being rented) or gain added convenience by electing to keep machine running between major sections.
- Never leave RIP-R-STRIPPER running and unattended.
- Not doing so can result in property damage and/or personal injury.

11 MAINTENANCE INSTRUCTIONS



For routine maintenance, the following information should be followed at minimum once per week or 40 hours of use for maximum performance and return on investment unless otherwise indicated. Information is for reference only and is not intended to be all inclusive.

1. Use factory approved replacement parts/accessories only for maintenance and repair.



WARNING

- Operating RIP-R-STRIPPER utilizing components not meeting minimum operational standards can result in property damage and/or personal injury.

2. All maintenance/repairs not described in this operator manual must be done by a dedicated service center following a specific service/repair manual.
3. STOP RIP-R-STRIPPER BEFORE performing maintenance per STOPPING RIP-R-STRIPPER in OPERATOR INSTRUCTIONS section of this manual.

WARNING

- Disconnect RIP-R-STRIPPER extension cord from power source and machine before performing any service work or repair.
- Failure to properly disconnect RIP-R-STRIPPER from power source can result in property damage and/or personal injury.

- Remove accessory tool per INSTALLING & REMOVING ACCESSORY TOOL in MACHINE SET-UP section of this manual.
- Inspect for loose or broken parts. Inspect each tool for sharpness and cracking. Inspect all fasteners, individual parts, operator controls and safety devices for proper function. Tighten fasteners as necessary. Replace any worn or damaged part or assembly.
- Remove all loose material accumulations, dirt and grease around electric breaker mount area, breaker, breaker air inlets and overall machine to prevent safety hazards, poor machine balance, performance and shortened service life. Use dust collection system as necessary to remove most accumulation then use safety type solvent for final RIP-R-STRIPPER cleaning.

IMPORTANT: DO NOT use thinner, benzene, or other volatile solvents that can attack rubber/plastic components when cleaning RIP-R-STRIPPER.

DANGER

- Use safety type solvent.
- Provide adequate ventilation.
- DO NOT smoke while using cleaning solvents.
- DO NOT use solvents with motor running or if it is hot.
- Allow ample time for motor to cool BEFORE using solvents.
- An ignition source in close proximity to hot motor can be source of an explosion, resulting in property damage and/or personal injury.

WARNING

- Properly dispose of all accumulated floor covering materials per OSHA and EPA codes/regulations.
- Many materials can be classified as hazardous requiring proper disposal procedures.
- Contact applicable government agencies for specific information.

- Inspect elastomeric operator handle mounts and urethane breaker mounting blocks for damage and/or wear.
 - Load capacity of mounts will decrease over time due to wear and environmental considerations. Mounting material will take a permanent set over time decreasing ability to properly secure electric breaker.
 - Mounts/blocks have 36 month or 250 hour maximum service limits, whichever comes first. Establish a maintenance schedule replacing mounts/blocks before failure occurs.

NOTE: Urethane mounting block properties permit partial return to original shape allowing multiple breaker installations/removals. Permanent set takes place over time preventing proper compression around breaker body. When compression is lost, mounting blocks should be replaced.

- Inspect RIP-R-STRIPPER master ON/OFF and electric breaker ON/Off switch for proper operation. If damaged or worn, replace.
- Inspect operator handle grips are free of moisture, pitch, oil or grease and are not cracked, damaged or worn. If full of dirt or pitch, clean. If loose, damaged and/or worn or end caps are missing, replace.
- Inspect extension system and red safety lever cable assembly for damage and/or wear and has complete freedom of movement plus proper engagement. If damaged or worn, replace.

- Inspect operator handle for structural integrity, cracks or abrasions.
- Inspect all safety and operation decals for proper condition. If any decal becomes damaged and/or unreadable, replace.
- Consult material supplied by breaker manufacturer for specific operational, maintenance and storage information requirements.

12 SERVICE/REPAIR INSTRUCTIONS



The following information is intended for specific service/repair situations for the RIP-R-STRIPPER. Information is for reference only and is not intended to be all inclusive.

- Use factory approved replacement parts/accessories only for servicing/repair purposes.

WARNING

- Operating RIP-R-STRIPPER utilizing components not meeting minimum operational standards can result in property damage and/or personal injury.

- All service/repairs not described in this manual must be done by a dedicated service center following a specific service/repair manual. DO NOT service/repair RIP-R-STRIPPER unless designated service/repair technician has received adequate, professional instruction regarding proper procedures.
- STOP RIP-R-STRIPPER BEFORE performing service and repair per STOPPING RIP-R-STRIPPER in OPERATING INSTRUCTIONS section of this manual.

WARNING

- Disconnect RIP-R-STRIPPER extension cord from power source and machine before performing any service work or repair.
- Failure to properly disconnect RIP-R-STRIPPER from power source can result in property damage and/or personal injury.

- Remove accessory tool per INSTALLING & REMOVING ACCESSORY TOOLS in MACHINE SET-UP section of Operator Manual and inspect for sharpness and cracking. Sharpen tool per ACCESSORY TOOL SHARPENING in SERVICE/REPAIR INSTRUCTIONS section of this manual. Replace tool if severely worn or damaged.
- Visually inspect RIP-R-STRIPPER per MAINTENANCE INSTRUCTIONS STEPS 5 through 12 of this manual.

IMPORTANT: DO NOT use thinner, benzene, or other volatile solvents that can attack rubber/plastic components when cleaning RIP-R-STRIPPER.

DANGER

- Use safety type solvent.
- Provide adequate ventilation.
- DO NOT smoke while using cleaning solvents.
- DO NOT use solvents with motor running or if it is hot.
- Allow ample time for motor to cool BEFORE using solvents.
- An ignition source in close proximity to hot motor can be source of an explosion, resulting in property damage and/or personal injury.

WARNING

- Properly dispose of all accumulated floor covering materials per OSHA and EPA codes/regulations.
- Many materials can be classified as hazardous requiring proper disposal procedures.
- Contact applicable government agencies for specific information.

LUBRICATION

Grease intervals will vary dependent on machine use and operating environments. In general, lubrication should be performed after every 8 hours of continuous use.

Tools Required:

1each, standard grease gun

Lubricants Required:

1 each, (for standard grease gun) fill with one of the following:

- ESSO Beacon 325
- Shell Alvana #2
- Chevron SRI or equivalent

1 each, container dry film lubricant

- Lubricate caster wheel bearings using dry film lubricant. Lubricant dries immediately. Use sparingly.

IMPORTANT: DO NOT lubricate caster wheel bearings with other than dry film type lubricants or over lubricate to prevent foreign material attraction and reduced bearing service life. Use sparingly.

- Zerk type fittings are provided at two locations. Using grease gun, lubricate pivot plate bushings. FIGURE 34

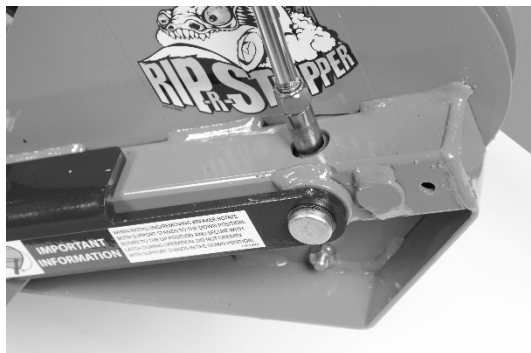


FIGURE 34

IMPORTANT: DO NOT over lubricate to prevent foreign material accumulations and accelerated wear/reduced bearing service life. Grease accumulation on bearing/bearing housing indicates excessive lubrication.

ACCESSORY BLADE SHARPENING

- Blades can be sharpened using a file designed for use on metal materials. This method will not duplicate original blade sharpening process, but can significantly increase overall productivity rates versus use of a dull blade.

- Remove blade from RIP-R-STRIPPER per INSTALLING & REMOVING ACCESSORY TOOLS in MACHINE SET-UP section of this manual.
- Properly secure accessory tool in suitable vice.
- Use file to sharpen blade edge using similar method to sharpening rotary lawnmower blade. FIGURE 35



FIGURE 33

WARNING

- Exercise extreme caution sharpening accessory tools.
- Properly secure accessory tool when sharpening.
- Remain clear of cutting edge when sharpening. Observe all safety precautions.
- Improper contact with cutting edge can result in property damage and/or personal injury.

ELECTRIC BREAKER SERVICE

Consult applicable material supplied by electric breaker manufacturer for specific service and maintenance information regarding:

- service and/or repair facilities
- obtaining replacement parts
- obtaining warranty support
- troubleshooting
- short and long term storage

Keep this information stored with Operator Manual for RIP-R-STRIPPER so it will always be available for use when breaker requires service or maintenance.

13 TROUBLESHOOTING

NOTE: If troubleshooting information does not correct situation, all maintenance/repairs not described in this operator manual must be done by a dedicated service center following a specific service/repair manual.

BREAKER WILL NOT START OR LOSES POWER

Possible Cause	Correction
ON/OFF switch located on operator handle in OFF position.	Turn to ON position.
Electric breaker ON/OFF switch in OFF position.	Turn to ON position.
Cord plug from operator handle to electric breaker no connected.	Inspect for damage/proper connection configuration. Connect cord to extension cord of electric breaker.
No power received from power source.	Consult qualified electrician for proper voltage and ampere output.
Improper extension cord connection (if applicable).	Determine all connections produce closed circuit. Reduce length and/or increase cord cross-sectional size.
Electric breaker loses power.	Check power source for correct voltage and amperage.
Electric breaker loses power due to high operating temperatures.	Disconnect electric breaker from operator handle cord. Determine electric breaker is clean of foreign material accumulations. Clean as necessary allow to cool. Consult material supplied by breaker manufacturer for specific information.

BREAKER FUNCTIONS/ACCESSORY TO DOES NOT IMPACT FLOOR

Possible Cause	Correction
Electric breaker internal component failure.	Consult breaker manufacturer for specific information.
Accessory tool top not in contact with electric breaker anvil.	Push accessory tool shank upward to make proper contact with anvil while in operation. See OPERATING INSTRUCTIONS this manual.
Damaged electric breaker urethane mounting block(s).	Inspect mounts for excessive damage and/or wear. Replace block(s) as necessary.
Retaining clamp screws loose.	Determine tool retaining device properly holds tool in receiver.
Worn or damaged accessory tool.	Determine tool retaining device properly holds tool in receiver.
Worn or damaged tool receiver.	Inspect receiver for excessive wear causing tool to wedge inside and not make proper contact with anvil.

EXCESSIVE JUMPING ON WORK SURFACE

Possible Cause	Correction
Incorrect accessory tool installation.	See INSTALLING & REMOVING ACCESSORY TOOLS this manual.
Damaged electric breaker urethane mounting block(s).	Inspect mounts for excessive damage and/or wear. Replace as necessary.
Improper accessory tool angle relative to work surface.	Manually readjust accessory tool angle during operation to minimize movement.

UNEVEN FLOOR COVERING MATERIAL REMOVAL

Possible Cause	Correction
Damaged electric breaker urethane mounting block(s).	Inspect mounts for excessive damage and/or wear. Replace as necessary.
Breaker improperly mounted to frame.	See INSTALLING ELECTRIC BREAKER TO MAIN FRAME this manual.
Excessive material build-up on caster wheel face surface.	Remove material. Adjust wheel scraper to wheel gap setting 0.3/.06 inch (0.8/1.5 mm) depending on covering material/jobsite conditions.
Excessive caster wheel bearing wear.	Replace caster wheel.
Bent or damaged accessory tool.	Replace accessory tool.
Electric breaker receiver out of alignment.	Realign main wheels to provide for accessory tool contact.

14 STORAGE

LONG TERM STORAGE

Procedure for long term storage of RIP-R-STRIPPER will protect it against effects of corrosion and damage. If RIP-R-STRIPPER is not to be operated for a period of 30 days or more, proceed to store as follows:

1. STOP RIP-R-STRIPPER per STOPPING RIP-R-STRIPPER in OPERATING INSTRUCTIONS section of this manual.
2. Remove accessory tool per INSTALLING & REMOVING ACCESSORY TOOLS in MACHINE SET-UP section of this manual. Store to prevent damage or rust.

CAUTION	
<ul style="list-style-type: none"> • DO NOT store RIP-R-STRIPPER accessory tool attached. This configuration can result in property damage and/or personal injury. 	

3. Clean RIP-R-STRIPPER per MAINTENANCE INSTRUCTIONS section of this manual.
4. Inspect all visible parts for wear, breakage or damage per MAINTENANCE INSTRUCTIONS section of this manual.
5. Apply a dry film lubricant to all exposed metal components, including accessory tool, to prevent rust formation.
6. Block bottom of main frame to prevent damage to breaker urethane mounting blocks.

7. Store RIP-R-STRIPPER inside. If RIP-R-STRIPPER must be stored outside, protect it with a suitable covering.
8. Follow procedure as outlined in material supplied by breaker manufacturer detailing long term storage of breaker.

15 END OF LIFECYCLE



If the machine comes to the end of its lifecycle, destruction of the machine must be conducted according to international and local environmental regulations.

16 DECLARATION OF INCORPORATION

We, General Equipment Company, 620 Alexander Drive SW, P.O. Box 334, Owatonna, MN 55060, USA declare under our sole responsibility that the incomplete product: CTS12

To which this declaration relates is in conformity with the following standards or standardization documents:

- EN-ISO 12100:2010

According to the provisions of the European directive:

- 2006/42/EC

Manufactured at: Owatonna, Minnesota 55060, USA

Beginning with serial number: 140820

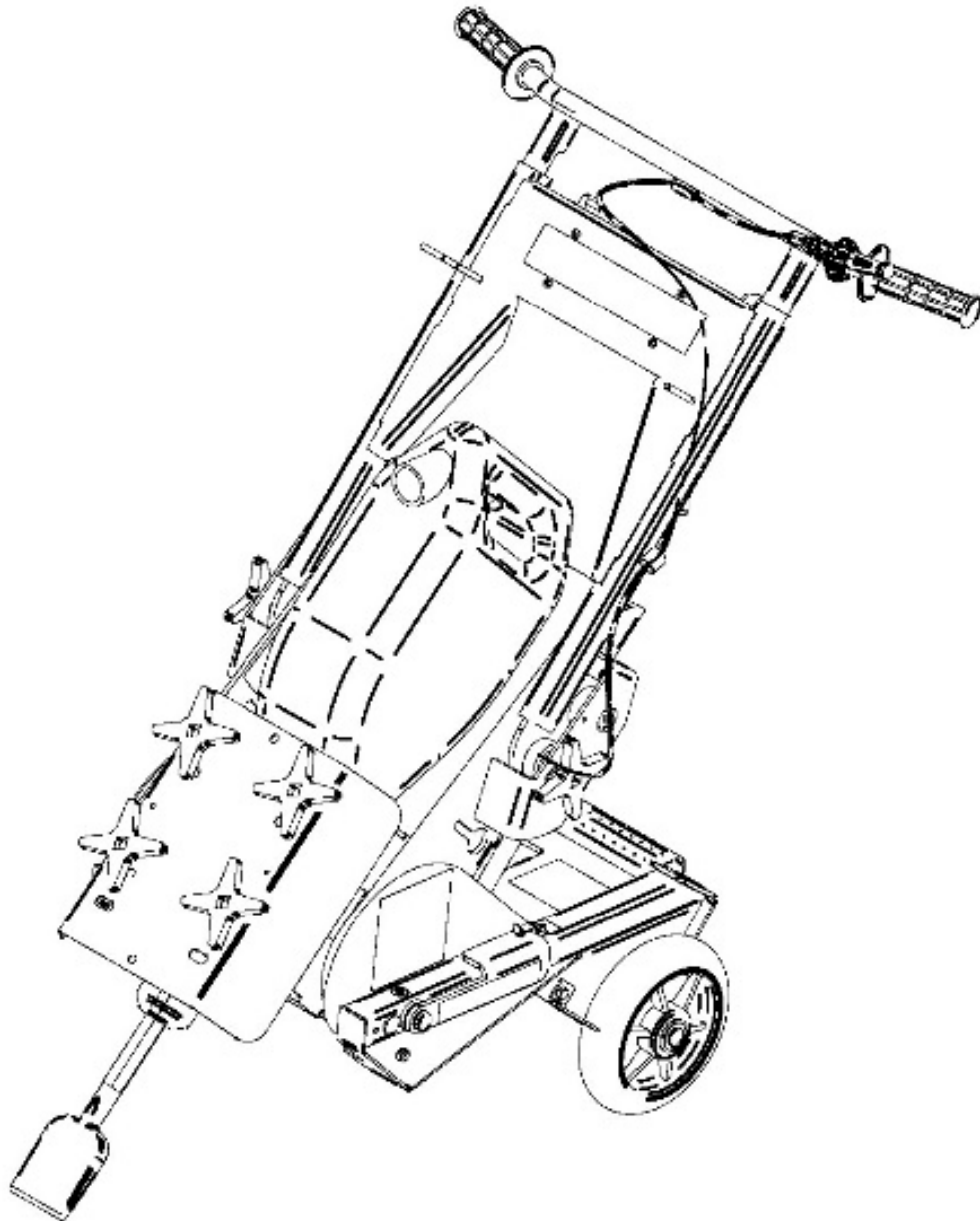
Signature: Dennis Von Ruden

Position: President

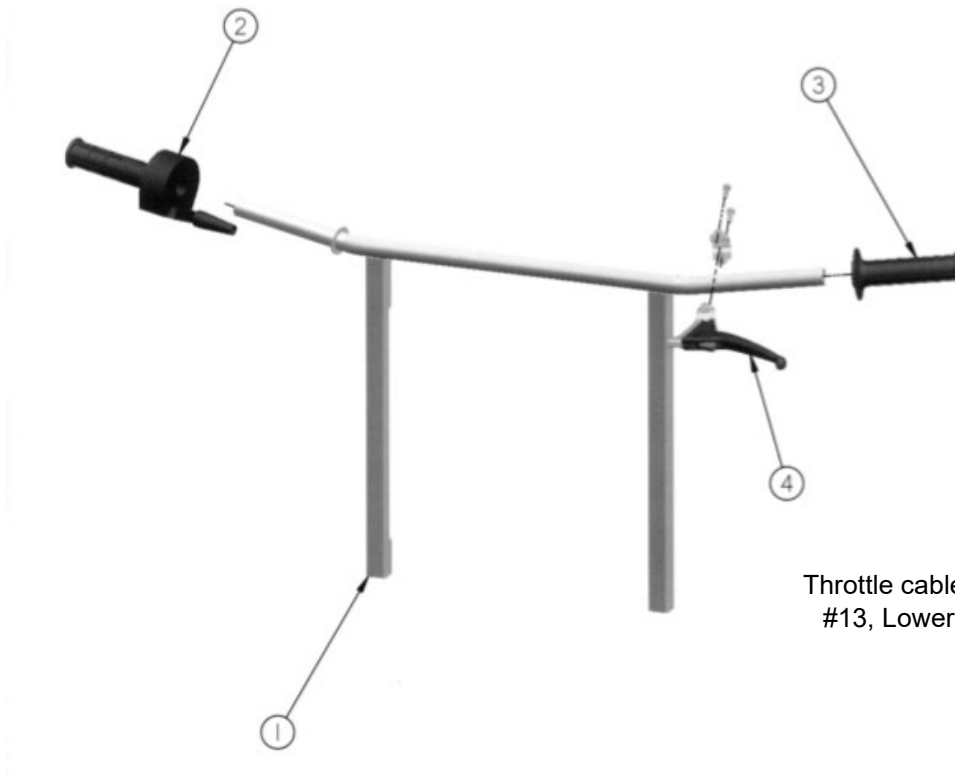
Date: April 4, 2016

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7 Replacement Parts CTS12 RIP-R-STRIPPER



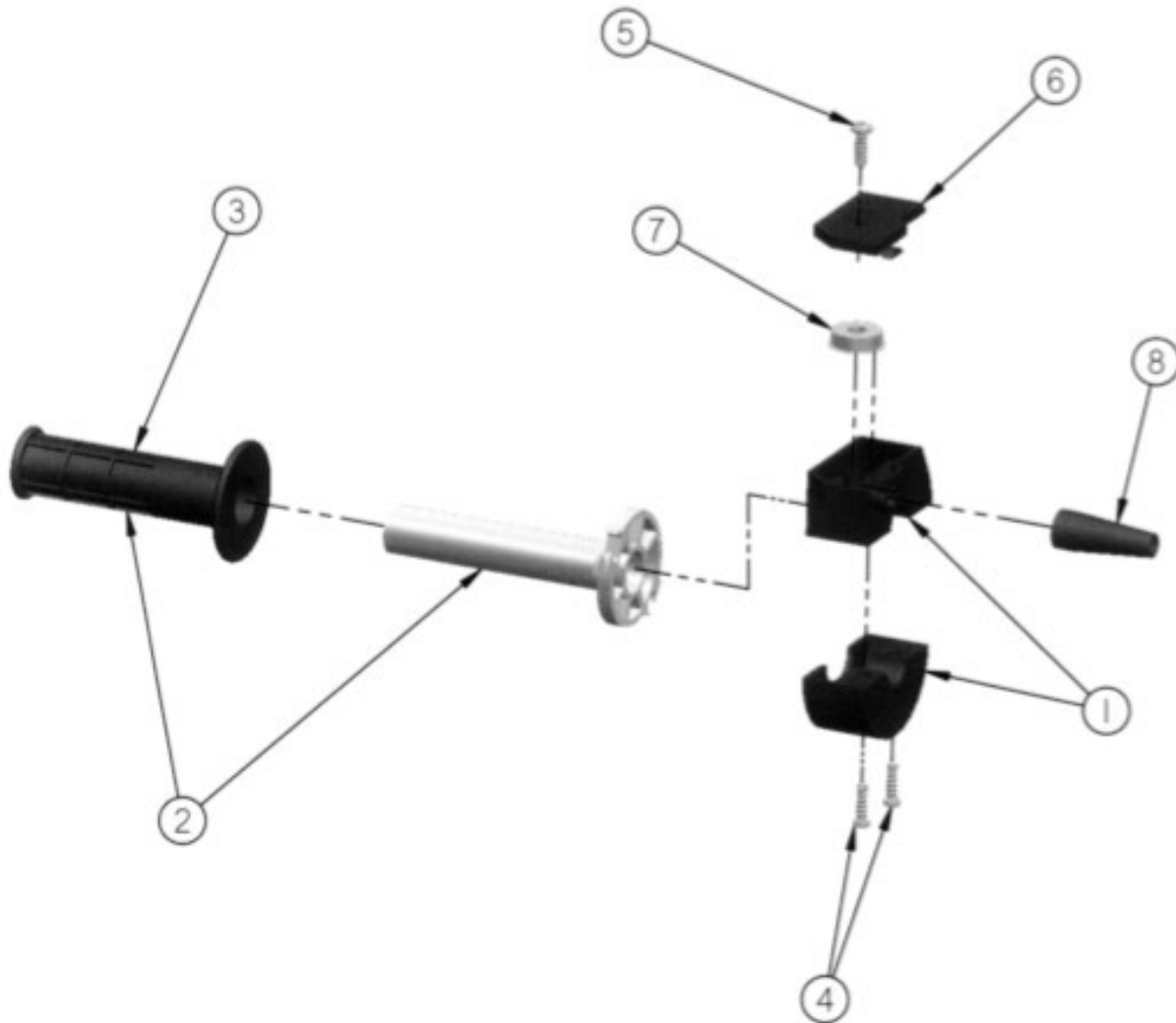
Replacement Parts Diagram Upper Handle Assembly [Up Through Serial Number 153105]



Throttle cable shown on page 42
 #13, Lower Handle Assembly

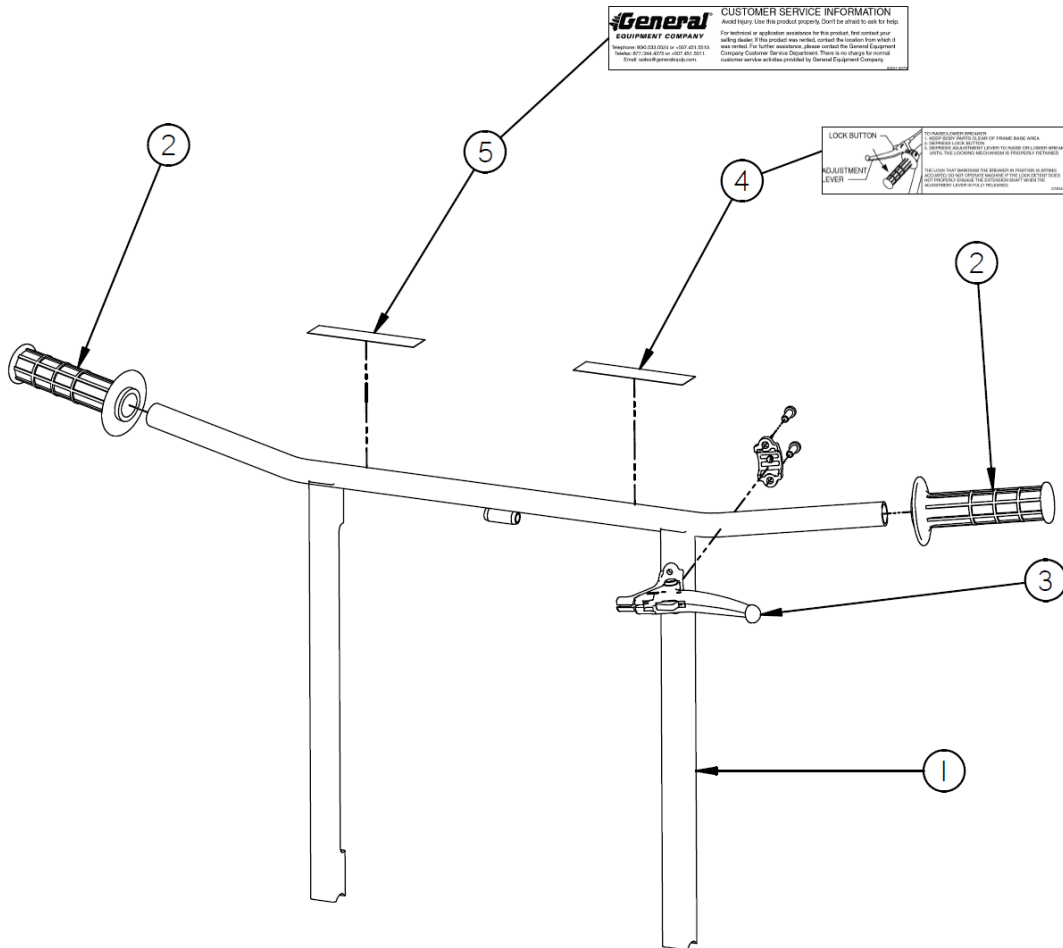
Reference Number	Part Number	Description	Quantity
1	SG12-0110	Weldment, Handle, Adjustable	1
2	310-0030	Assembly, Control, Throttle, Complete	1
3	SG12-0415	Grip, Handle	1
4	CTS12-0190	Assembly, Lever, Brake	1

Replacement Parts Diagram Plastic Body Series 314 Magura Throttle Control Assembly



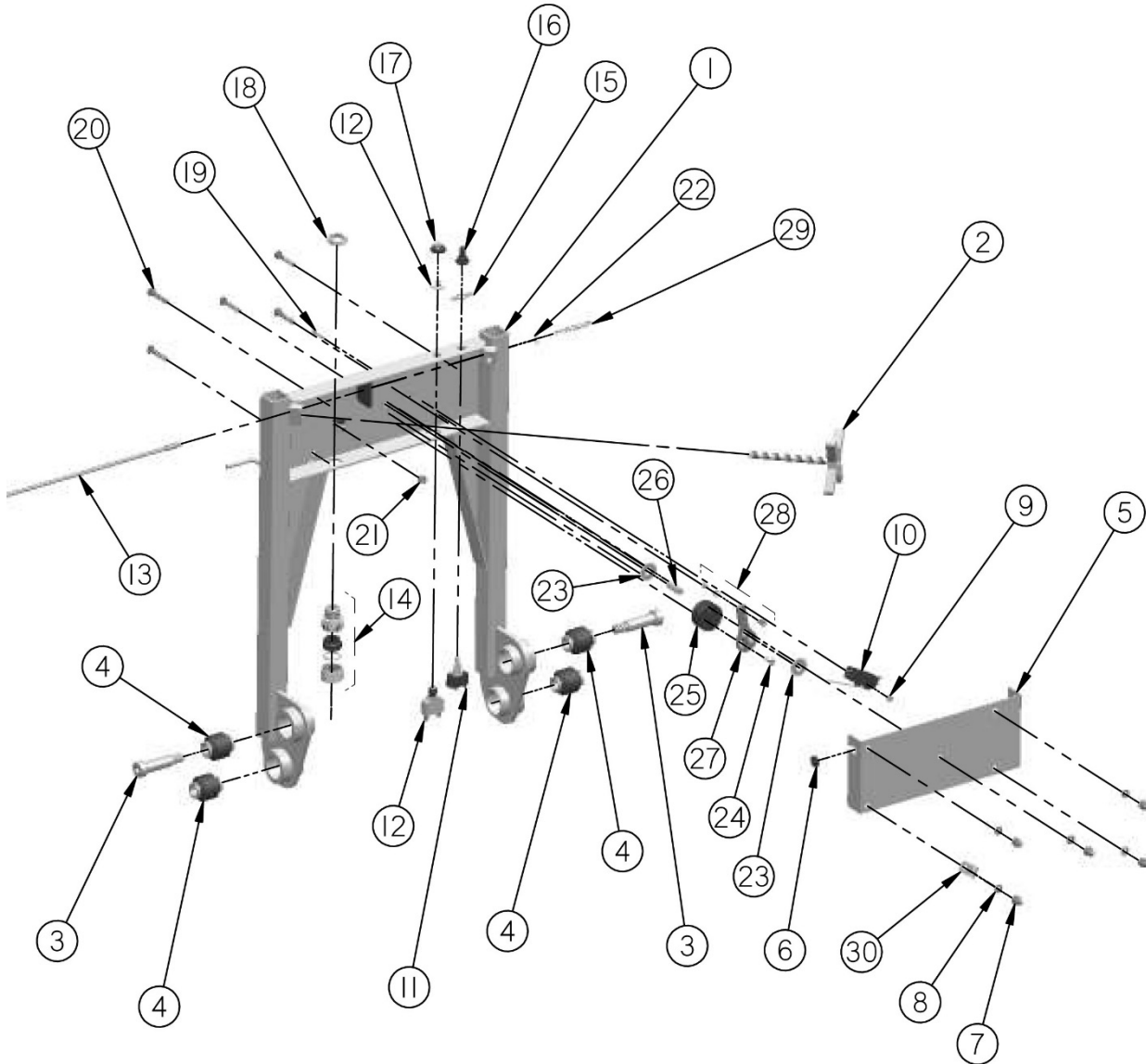
Reference Number	Part Number	Description	Quantity
1	310-0030-010-A	Assembly, Body, W/Screws (Includes P/N 310-0030-040, Qty 2)	1
2	310-0030-020-A	Tube, Throttle, W/Grip (Included P/N 310-0020-030)	1
3	310-0020-030	Grip, Throttle	1
4	310-0030-040	Screw, Head, PAM, M5 x 20	2
5	310-0030-050	Screw, Self Tapping	1
6	310-0030-060	Cover, Top	1
7	310-0030-070	Sheave, Roller	1
8	310-0030-080	Boot, Rubber	1

Replacement Parts Diagram Upper Handle Assembly [Starting with Serial Number 153106]



Reference Number	Part Number	Description	Quantity
1	SG12-0111	Weldment, Handle, Adjustable	1
2	SG12-0415	Grip, Handle	2
3	CTS12-0190	Assembly, Lever, Brake	1
4	CTS12-5020	Decal, Lever	1
5	SG24-5072	Decal, Assistance	1

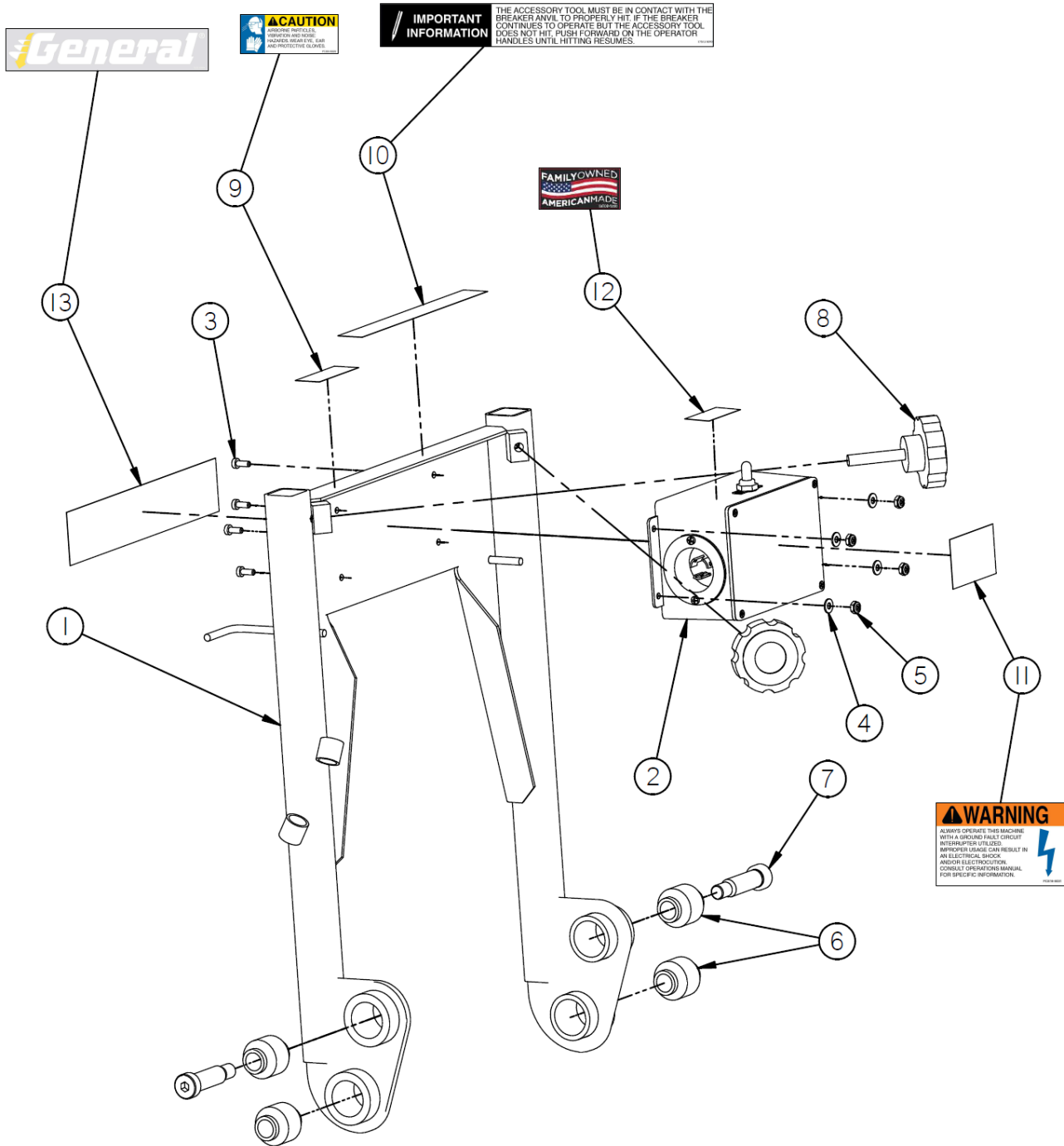
Replacement Parts Diagram Lower Handle Assembly [Up Through Serial Number 153105]



Replacement Parts Diagram Lower Handle Assembly [Up Through Serial Number 153105]

Reference Number	Part Number	Description	Quantity
1	CTS12-0050	Handle, Lower	1
2	SG12-0051	Weldment, Knob	2
3	62101400	Bolt, Shoulder, 5/8" x 1-1/4", Plated	2
4	CTS12-0280	Mount, Elastomeric	4
5	SG12-0191	Cover, Switch	1
6	FCS16-0300	Grommet, Rubber	1
7	90040000	Nut, Acorn, 1/4-20 UNC, Brass	5
8	16040000	Washer, Lock, 1/4", Plated	5
9	12010000	Nut, #6-32, K-Lock	2
10	SG12-0070	Switch	1
11	SG12-0300-010	Switch, Master	1
12	SG12-0080	Breaker, Circuit	1
13	310-0081	Cable, Throttle	1
14	CG-5050	Relief, Strain	2
15	SG12-0300-030	Plate, Face, Switch, Master	1
16	SG12-0300-020	Cover, Switch, Master	1
17	SG12-0090	Cover, Breaker, Circuit	1
18	801	Nut, Bulkhead	2
19	34010800	Screw, Machine, Head, Socket, #6 x 1", Plated	2
20	37041300	Screw, Machine, Head, - 1/4-20 UNC, x 1-5/8", Plated	5
21	18040000	Nut, Hexagon, 1/4-20 UNC, Plated	1
22	SG12-0340	Clip, E-Type	1
23	17060000	Washer, Flat, 3/8"	2
24	SG12-0170	Cam, Switch	2
25	SG12-0380	Screw, Wood, Flat Head	1
26	SG12-0150	Tube, Pivot	1
27	SG12-0160	Lever, Switch	1
28	WS277	Swivel	1
29	SG12-0350	Spring, Compression	1
30	COV-0411	Clamp	1

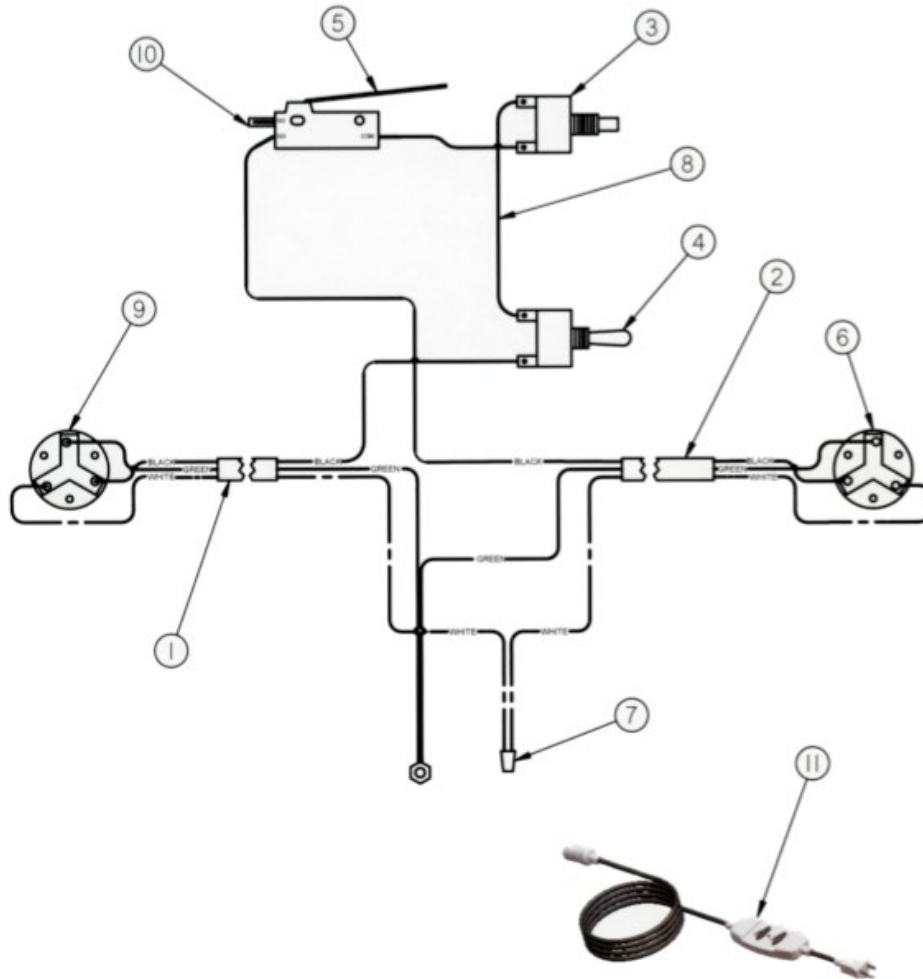
Replacement Parts Diagram Lower Handle Assembly [Starting with Serial Number 153106]



*Replacement Parts Diagram
 Lower Handle Assembly
 [Starting with Serial Number 153106]*

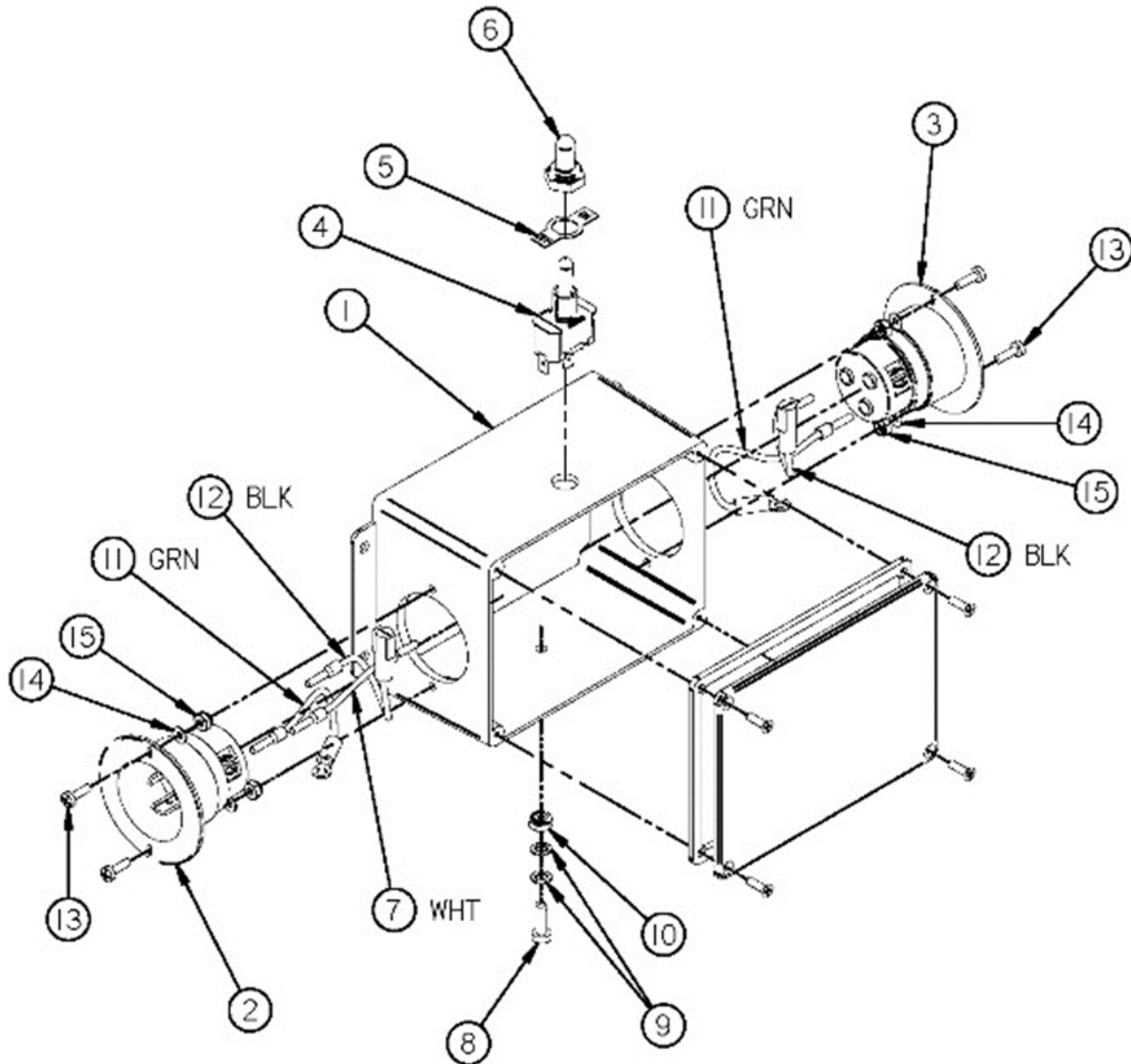
Reference Number	Part Number	Description	Quantity
1	CTS12-0051	Handle, Lower	1
2	CTS12-0481A	Assy, Enclosure, Electric, US	1
3	37030400	PHMS, 10-24 X 1/2, ZY	4
4	17030000	Washer, Flat, Light, No 10, ZY	4
5	53030000	Nut, Hex, Nylok, 10-24, ZY	4
6	CTS12-0280	Mount, Rubber, 60 Durometer	4
7	62101400	Bolt, Shldr, 5/8 X 1-3/4, ZY	2
8	FCS16-0150	Knob, Adjustment	2
9	FCS5-5020	Decal, Caution	1
10	CTS12-5070	Decal, Operation	1
11	FCS16-5031	Decal, Warning, Shock	1
12	GECD-5050	Decal, Family Owned, American	1
13	GECD-5030W	Decal, General, 1-7/8 X 9-1/2	1

Replacement Parts Diagram Wiring Diagram [Up Through Serial Number 153105]



Reference Number	Part Number	Description	Quantity
1	CTS12-0480A	Cable, Electrical, Assembly (Male Plug to Switch)	1
2	CTS12-0470A	Cable, Electrical, Assembly (Switch to Female Plug)	1
3	SG12-0080	Circuit Breaker, 15 AMP	1
4	SG12-0300-010	Switch, Master Toggle	1
5	SG12-0070	Switch, 115V	1
6	CTS12-0340	Receptacle, Cord, Female, 5269C	1
7	WIRE NUT Y	Nut, Wire	1
8	SG12-0290A	Wire, Jumper	1
9	HUB-4720C	Plug, Twist Lock, Male, 15A	1
10	SG12-0320	Sleeve, Protective	1
11	FCS16-1000	Extension Cord, GFCI	1

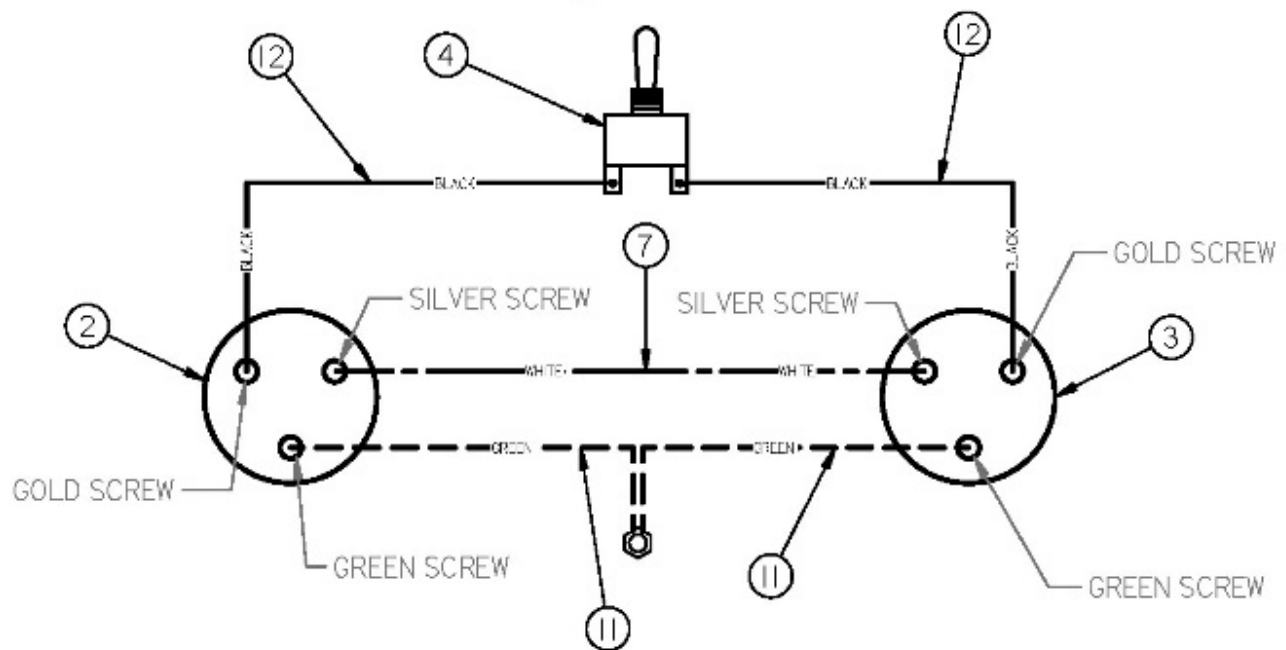
*Replacement Parts Diagram
US Electrical Control Enclosure
CTS12-0481A
[Starting with Serial Number 153106]*



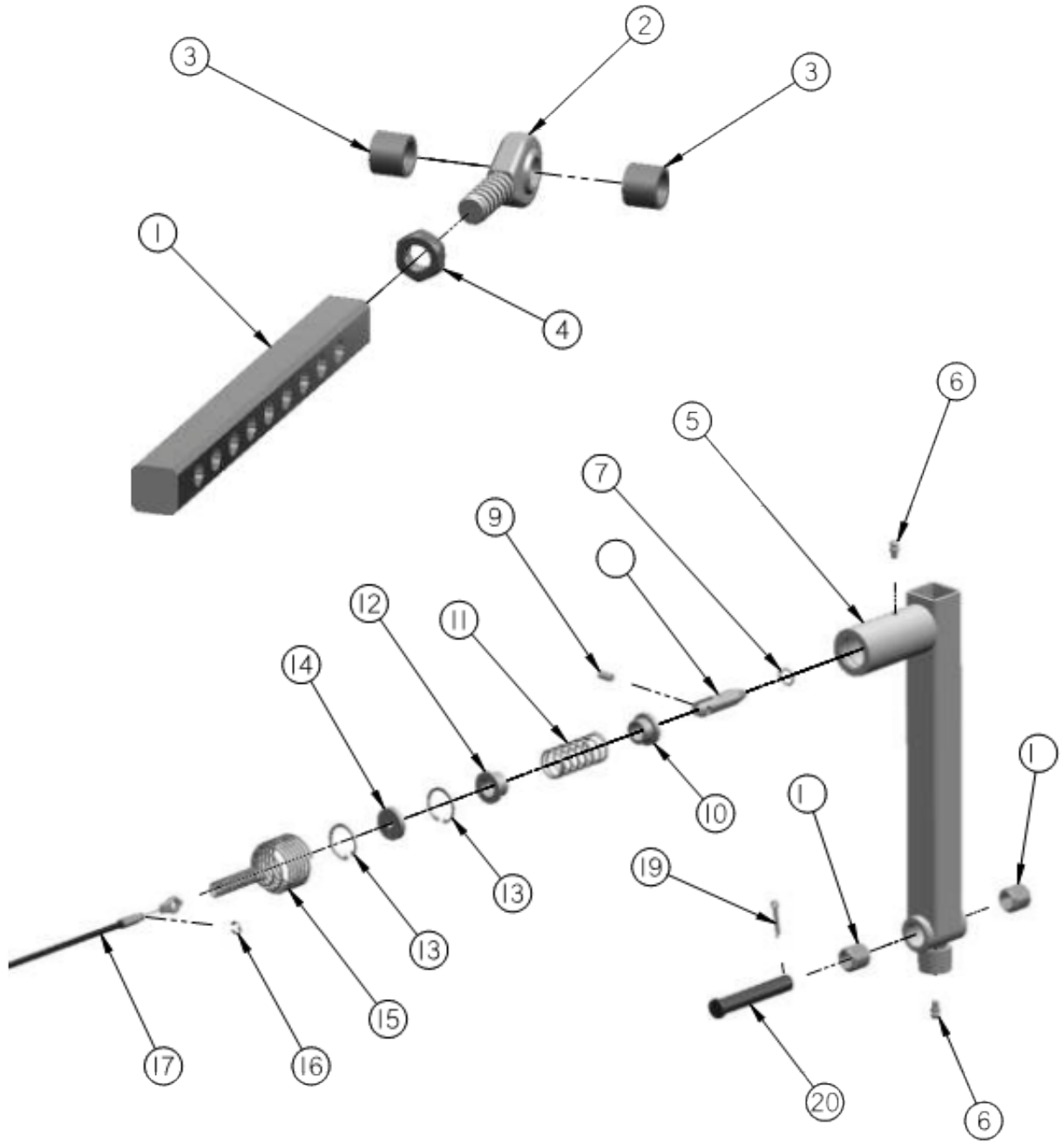
Replacement Parts Diagram US Electrical Control Enclosure CTS12-0481A [Starting with Serial Number 153106]

Reference Number	Part Number	Description	Quantity
1	CTS12-0481-010	Enclosure, Electrical	1
2	CTS12-0481-020	Inlet, Electric, Nema L5-15P	1
3	CTS12-0481-030	Outlet, Electric, Nema 5-15R	1
4	SG12-0300-010	Switch, Master	1
5	SG12-0300-030	Plate, Face, Switch, Master	1
6	SG12-0300-020	Cover, Switch	1
7	CTS12-0481-060	Assembly, Wire, Neutral	1
8	37030500	PHMS, 10-24 X 5/8	1
9	58030000	Washer, Lock, Internal, Serrated	2
10	53030000	Nut, Hex, Nylok, 10-24, ZY	1
11	CTS12-0481-050	Assembly, Wire, Ground	2
12	CTS12-0481-040	Assembly, Wire, Line	2
13	37010400	PHMS, 6-32 X 1/2	4
14	17010000	Washer, Flat, No 6	4
15	1801000	Nut, Hex, No 6-32	4

Wiring Schematic



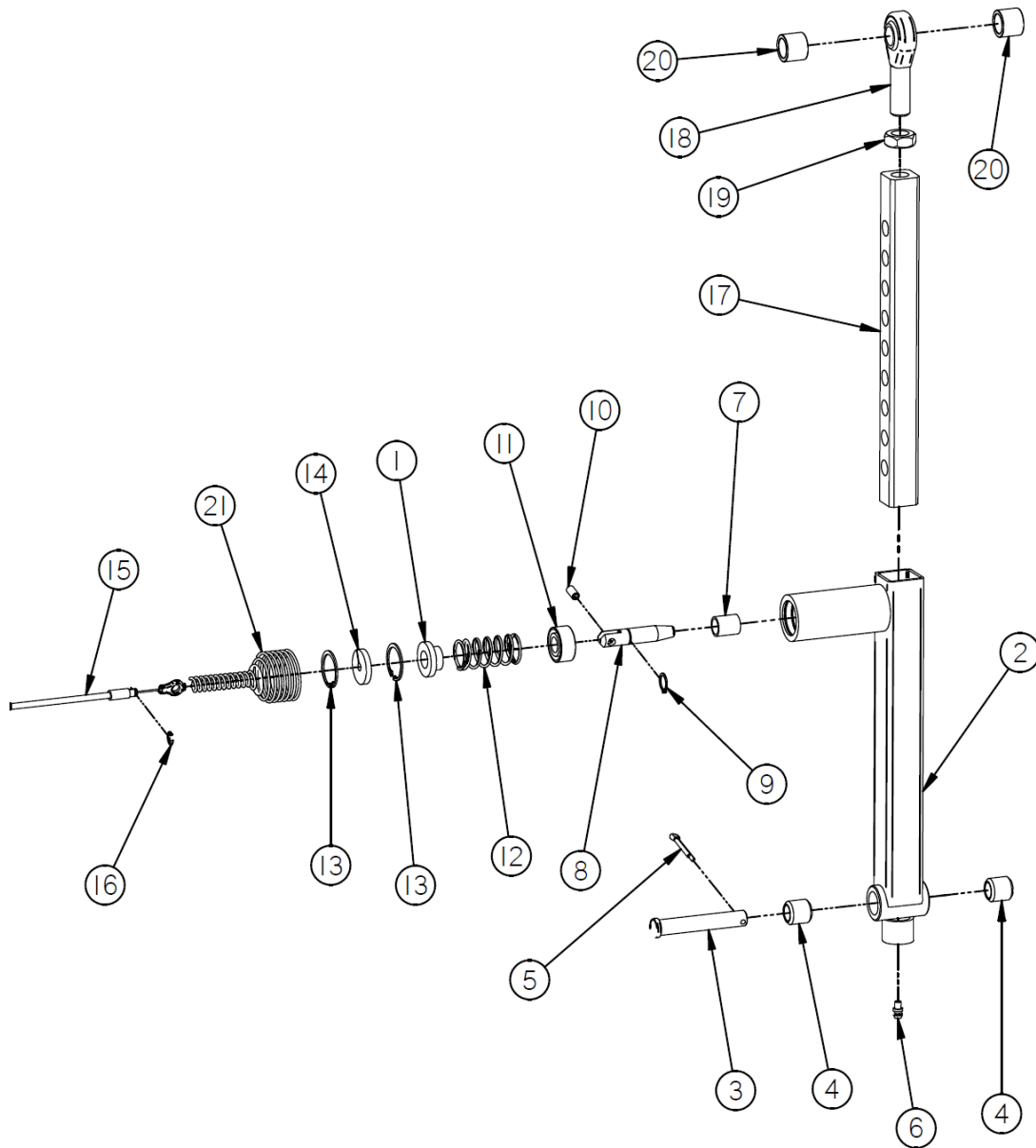
Replacement Parts Diagram Latch Tube Assembly [Up Through Serial Number 141417]



Replacement Parts Diagram Latch Tube Assembly [Up Through Serial Number 141417]

Reference Number	Part Number	Description	Quantity
1	CTS12-0090	Bar, Latch	1
2	SP8-0180	End, Rod, Male	1
3	CTS12-0170	Tube, Spacer	2
4	40100011	Nut, Jam, 5/8-11 UNC, LH, Plated	1
5	CTS12-0120	Weldment, Tube, Base	1
6	550-0590	Fitting, Grease	2
7	CTS12-0290	Ring, Snap, External, 0.5" ID	1
8	CTS12-0130	Pin, Latch	1
9	20040400	Pin, Roll, 1/4" x 1/2"	1
10	CTS12-0150	Guide, Pin, Inboard	1
11	CTS12-0260	Spring, Compression	1
12	CTS12-0160	Guide, Pin, Outboard	1
13	CTS12-0270	Ring, Snap, Internal. 1.0 ID	2
14	CTS12-0140	Mount, Cable	1
15	CTS12-0370	Spring, Support	1
16	SG12-0340	Clip, E-Type	1
17	CTS12-0080	Cable, Adjustment	1
18	CTS12-0360	Bushing, Spring-Type, 0.5 ID	2
19	22000800	Pin, Cotter, 5/32" x 1"	1
20	CTS12-0210	Pin, Clevis, 1/2" x 3", Plated	1

Replacement Parts Diagram Latch Tube Assembly [Starting with Serial Number 141418]

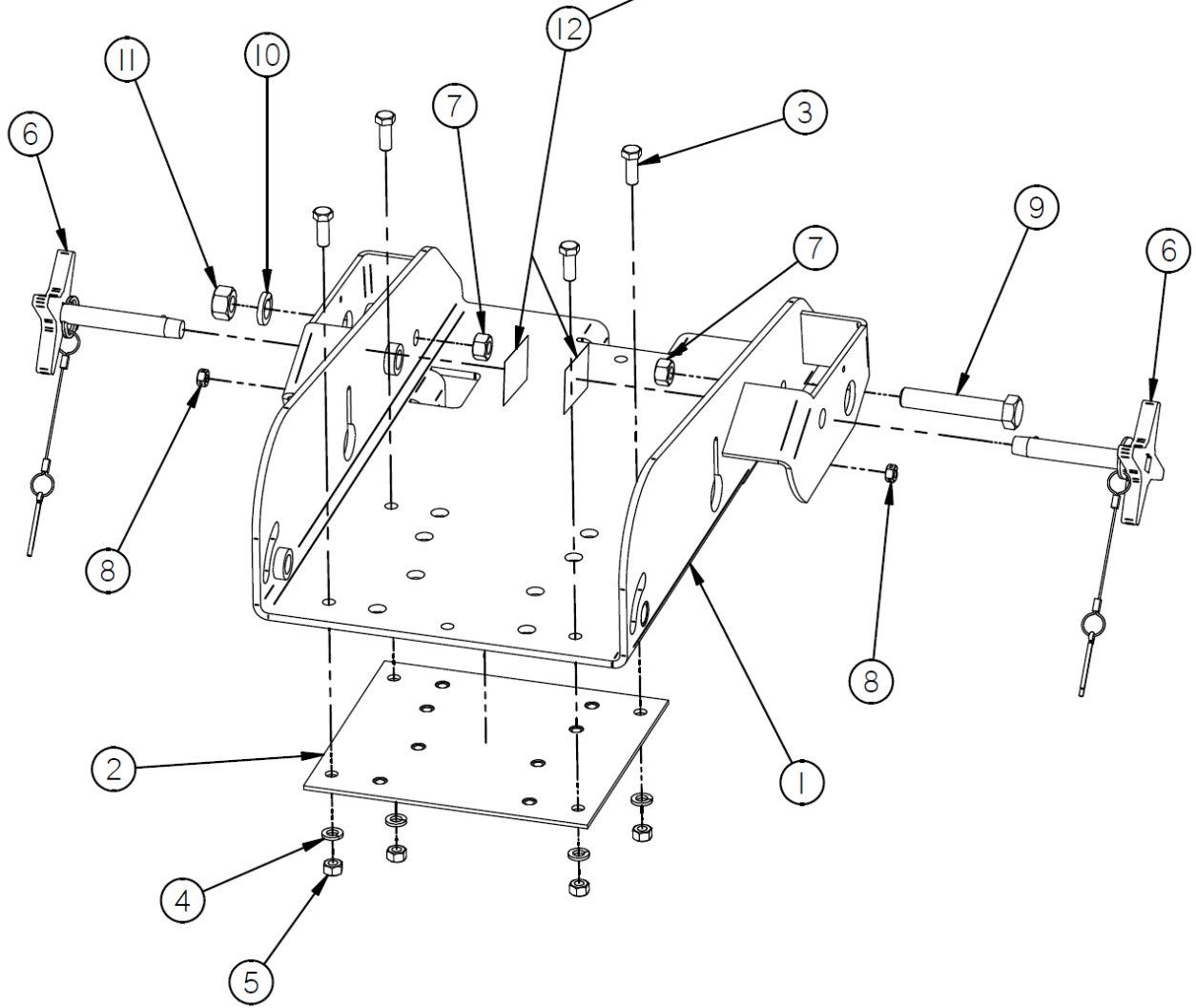


*Replacement Parts Diagram
 Latch Tube Assembly
 [Starting with Serial Number 141418]*

Reference Number	Part Number	Description	Quantity
1	CTS12-0161	Guide, Pin, Outer	1
2	CTS12-0121	Tube, Support	1
3	CTS12-0210	Pin, Clevis, 1/2 X 3, ZY	1
4	CTS12-0360	Bushing, Spring-Type	2
5	22000800	Pin, Cotter, 5/32 X 1.0	1
6	550-0590	Fitting, Grease	1
7	CTS12-0610	Bushing, Oilite, 0.5 ID	1
8	CTS12-0131	Pin, Latch	1
9	CTS12-0290	Ring, Snap, External, .5 D	1
10	20040400	Pin, Roll, 1/4 X 1/2	1
11	CTS12-0151	Pin, Guide, Inner	1
12	CTS12-0261	Spring, Compression	1
13	CTS12-0271	Ring, Snap, Internal, 1.125 D	2
14	CTS12-0141	Mount, Cable	1
15	CTS12-0080	Cable, Adjustment	1
16	SG12-0340	Clip, E-Type	1
17	CTS12-0091	Bar, Latch	1
18	SP8-0180	End, Rod, Male	1
19	40100011	Nut, Jam, 5/8-18, LH	1
20	CTS12-0170	Tube, Spacer	2
21	CTS12-0370	Spring, Support	1

Replacement Parts Diagram Upper Frame Assembly

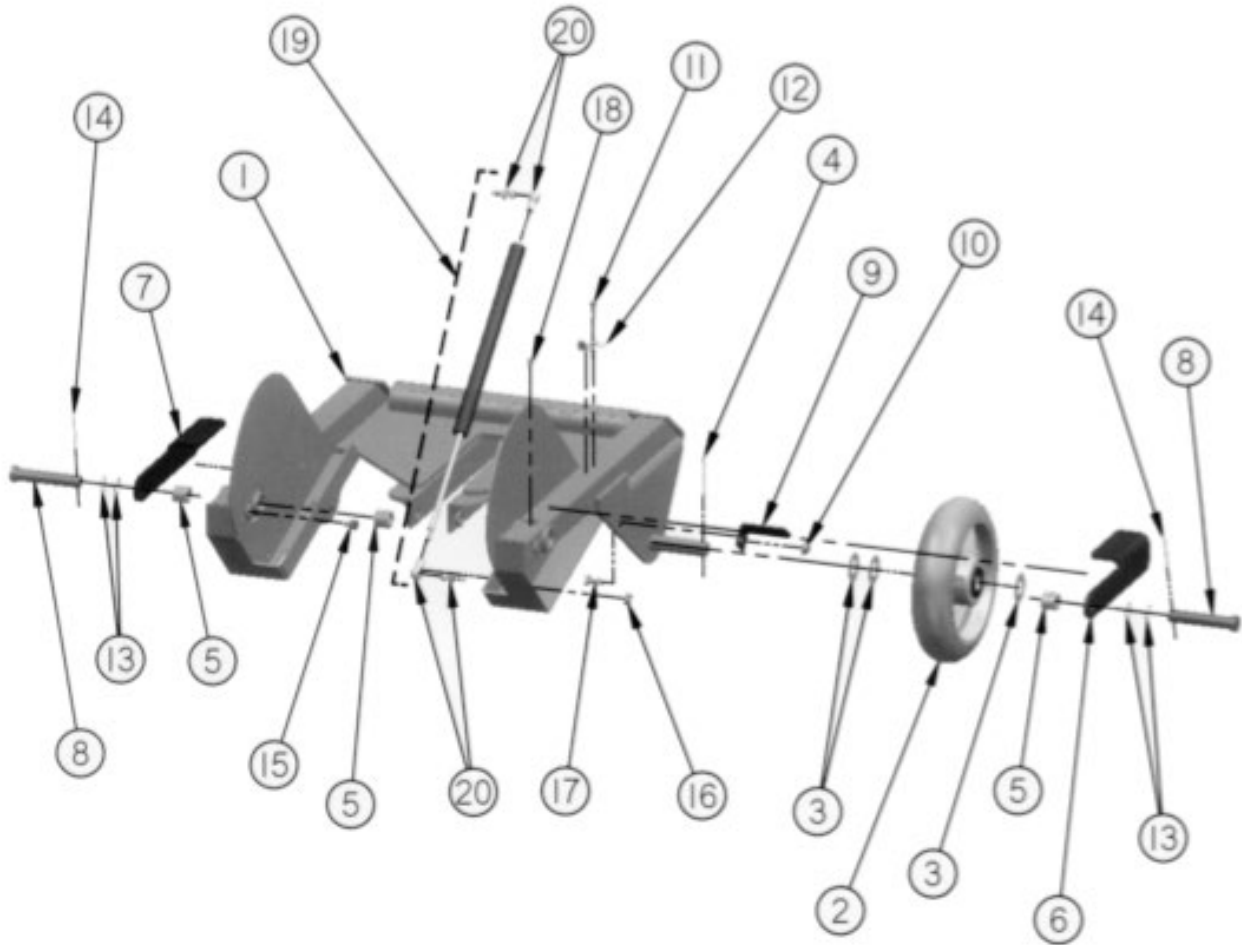
WARNING
BEFORE HOISTING THIS MACHINE
CONSULT THE APPLICABLE
OPERATOR MANUAL. IMPROPER
HOISTING PROCEDURES CAN RESULT
IN PROPERTY DAMAGE AND/OR
PERSONAL INJURY.



Replacement Parts Diagram Upper Frame Assembly

Reference Number	Part Number	Description	Quantity
1	CTS12-0110	Weldment, Plate, Hammer	1
2	CTS12-0060	Plate, Attachment	1
3	15060800	HHCS, 3/8-16 X 1, G5, ZY	4
4	1606000	Washer, Lock, 3/8, ZY	4
5	18060000	Nut, Hex, 3/8-16, ZY	4
6	CTS12-0250A	Assembly, Pin, Detent	2
7	52080000	Nut, Lock, 2-Way, 1/2-13, ZY	2
8	52050000	Nut, Lock, 2-Way, 5/16-20, ZY	2
9	15102800	HHCS, 5/8-11 X 3-1/2, G5, ZY	1
10	16100000	Washer, Lock, 5/8, ZY	1
11	18100000	Nut, Hex, 5/8-11, ZY	1
12	CS8-5051	Decal, Warning, Hoisting	2

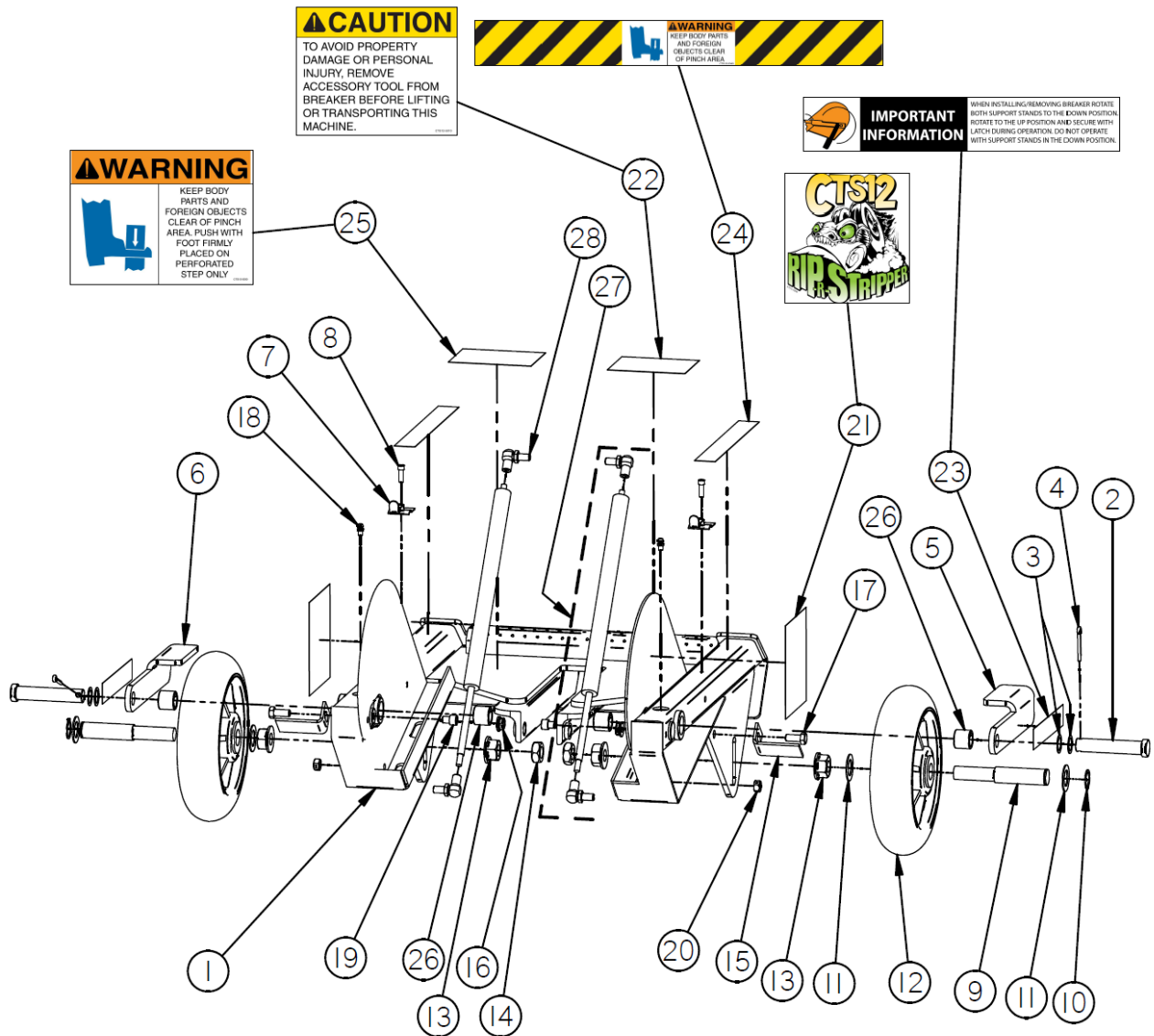
Replacement Parts Diagram Lower Frame Assembly [Up Through Serial Number 153105]



Replacement Parts Diagram Lower Frame Assembly [Up Through Serial Number 153105]

Reference Number	Part Number	Description	Quantity
1	CTS12-0100	Weldment, Frame	1
2	CTS12-0600	Wheel	2
3	200682	Washer, Plastic	6
4	22021200	Pin, Cotter, 1/8" x 1-1/2"	2
5	CTS12-0350	Bushing, Spring-Type, .62 ID	4
6	CTS12-0430	Stand, Kick, LH	1
7	CTS12-0440	Stand, Kick, RH	1
8	CTS12-0200	Pin, Clevis, 5/8" x 3", ZY	2
9	FCS16-0090	Scraper, Wheel	2
10	39050000	Nut, Hexagon, Flange, 5/16-18 UNC, Plated	2
11	60030500	Screw, Cap, Socket, #10-24 x 5/8", Plated	2
12	CTS12-0460	Latch, Down, Snap	2
13	CTS12-0450	Washer, Wave, .62 ID	4
14	22000800	Pin, Cotter, 5/32" x 1", Plated	2
15	60050300	Screw, Cap, Socket, 5/16-18 x 3/8", Plated	2
16	52050000	Nut, Lock, 2-Way, 5/16-18 UNC, Plated	2
17	15050600	Screw, Cap, 5/16-18 UNC x 3/4", Plated	2
18	550-0590	Fitting, Grease	2
19	CTS12-0220A	Assembly, Spring, Gas (Includes 2 of Part Number CTS12-0220-010)	2
20	CTS12-0220-010	Kit, Mounting, Spring, Gas (Includes 1 Ball Socket and 1 ball Stud)	4

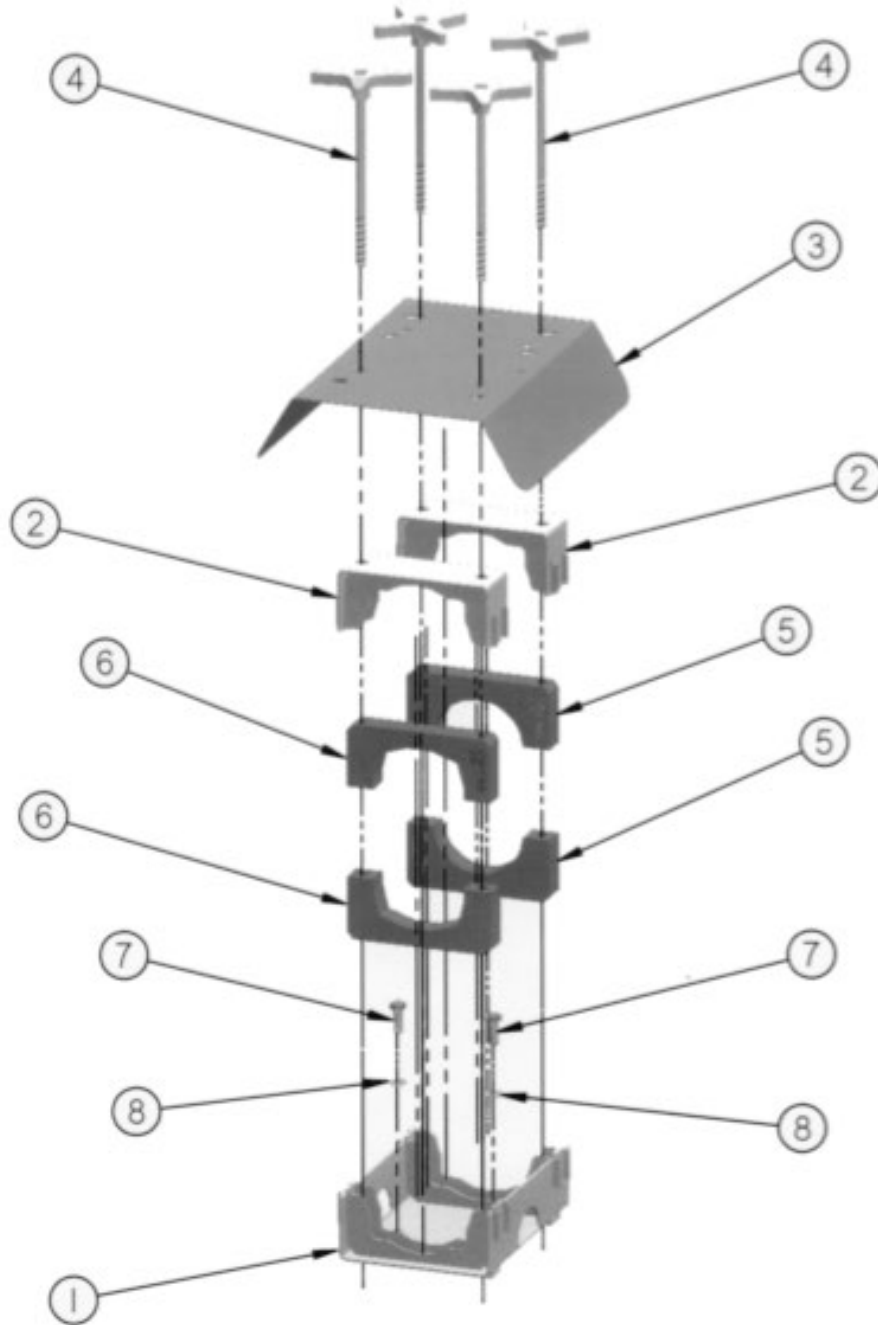
Replacement Parts Diagram Lower Frame Assembly [Starting With Serial Number 153106]



*Replacement Parts Diagram
 Lower Frame Assembly
 [Starting with Serial Number 153106]*

Reference Number	Part Number	Description	Quantity
1	CTS12-0101	Weldment, Frame	1
2	CTS12-0200	Pin, Clevis, 5/8 X 3, ZY	2
3	CTS12-0450	Washer, Wave, 5/8	4
4	22000800	Pin, Cotter, 5/32 X 1.0	2
5	CTS12-0430	Stand, Kick, Left Hand	1
6	CTS12-0440	Stand, Kick, Right Hand	1
7	CTS12-0460	Latch, Down, Snap	2
8	60030500	SHCS, 10-24 X 5/8, ZY	2
9	CTS12-0580	Axle, Wheel	2
10	5160-075	Ring, Snap, External, 3/4D	2
11	85120001	Bushing, Machine, 3/4NR	4
12	CTS12-0600	Wheel, 8 X 2	2
13	86100001	Nut, Hex, Flange, 5/8-18, ZY	4
14	40100001	Nut, Jam, Hex, 5/8-18, ZY	2
15	FCS16-0090	Scraper, Wheel	2
16	39050000	Nut, Whizlock, 5/16-18, ZY	2
17	15050600	HHCS, 5/16-18 X 3/4	2
18	550-0590	Fitting, Grease	2
19	60050300	SHCS, 5/16-18 X 3/8, ZY	2
20	52050000	Nut, Lock, 2-Way, 5/16-20, ZY	2
21	CTS12-5050	Decal, Rip-R-Stripper (CTS12)	2
22	CTS12-5010	Decal, Transport	1
23	CTS12-5060	Decal, Kickstand	2
24	CTS12-5040	Decal, Feet Clear	2
25	CTS12-5030	Decal, Push	1
26	CTS12-0350	Bushing, Spring-Type	4
27	CTS12-0220A	Spring, Gas, 130 Lbs, Complete	2
28	CTS12-0220-010	Kit, Mounting, Spring, Gas	4

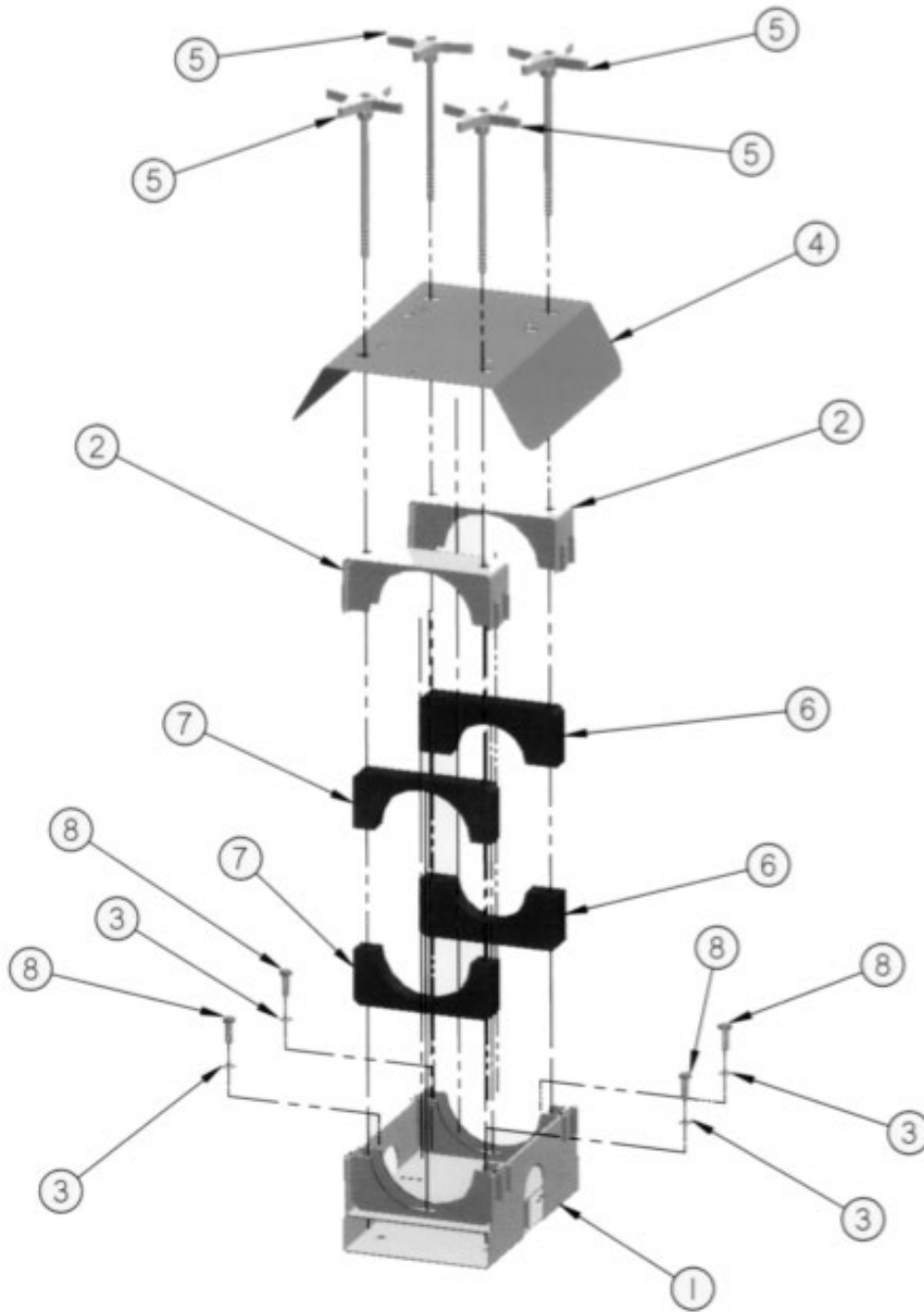
Replacement Parts Diagram Breaker Mount Assembly Bosch® 11335K, GSH 16-28



Replacement Parts Diagram
Breaker Mount Assembly
Bosch® 11335K, GSH 16-28

Reference Number	Part Number	Description	Quantity
1	CTS12-1200	Weldment, Mount, Base	1
2	CTS12-1001	Weldment, Clamp, CAP	2
3	CTS12-0040	Cover, Hammer	1
4	CTS12-0075	Screw, Clamp, 7.58" L	4
5	CTS12-0320	Block, Clamp, Elastomeric, 11335K, GSH 16-28, Bosch®	2
6	CTS12-0330	Block, Clamp, Elastomeric 11335K, GSH 16-28, Bosch®	2
7	15061000	Screw, Cap, 3/8-16 UNC x 1-1/4", Plated	2
8	16060000	Washer, Lock, 3/8", Plated	2

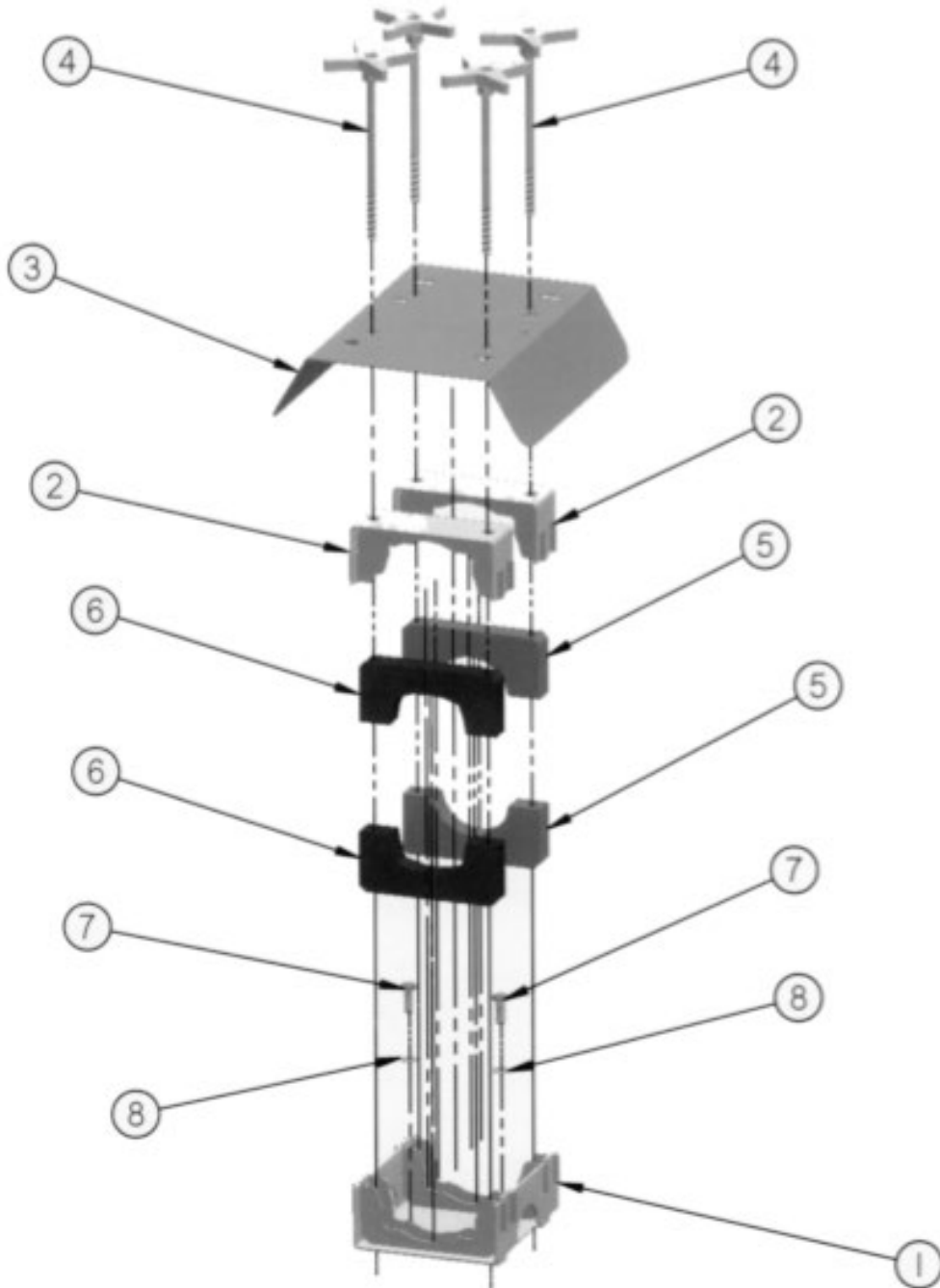
Replacement Parts Diagram Breaker Mount Assembly DeWalt® D25960K



Replacement Parts Diagram
Breaker Mount Assembly
DeWalt® D25960K

Reference Number	Part Number	Description	Quantity
1	CTS12-1700	Weldment, Mount, Base	1
2	CTS12-1701	Weldment, Clamp, Cap	2
3	16060000	Washer, Lock, 3/8", Plated	4
4	CTS12-0040	Cover, Hammer	1
5	CTS12-0070	Screw, Clamp 7.08" L	4
6	CTS12-0530	Block, Clamp, Elastomeric D25960K, DeWalt®, 1-3/4" Radius	2
7	CTS12-0520	Block, Clamp, Elastomeric D25960K, DeWalt®, 2-1/4" Radius	2
8	15060800	Screw, Cap, 3/8-16 UNC x 1-1/4", Plated	4

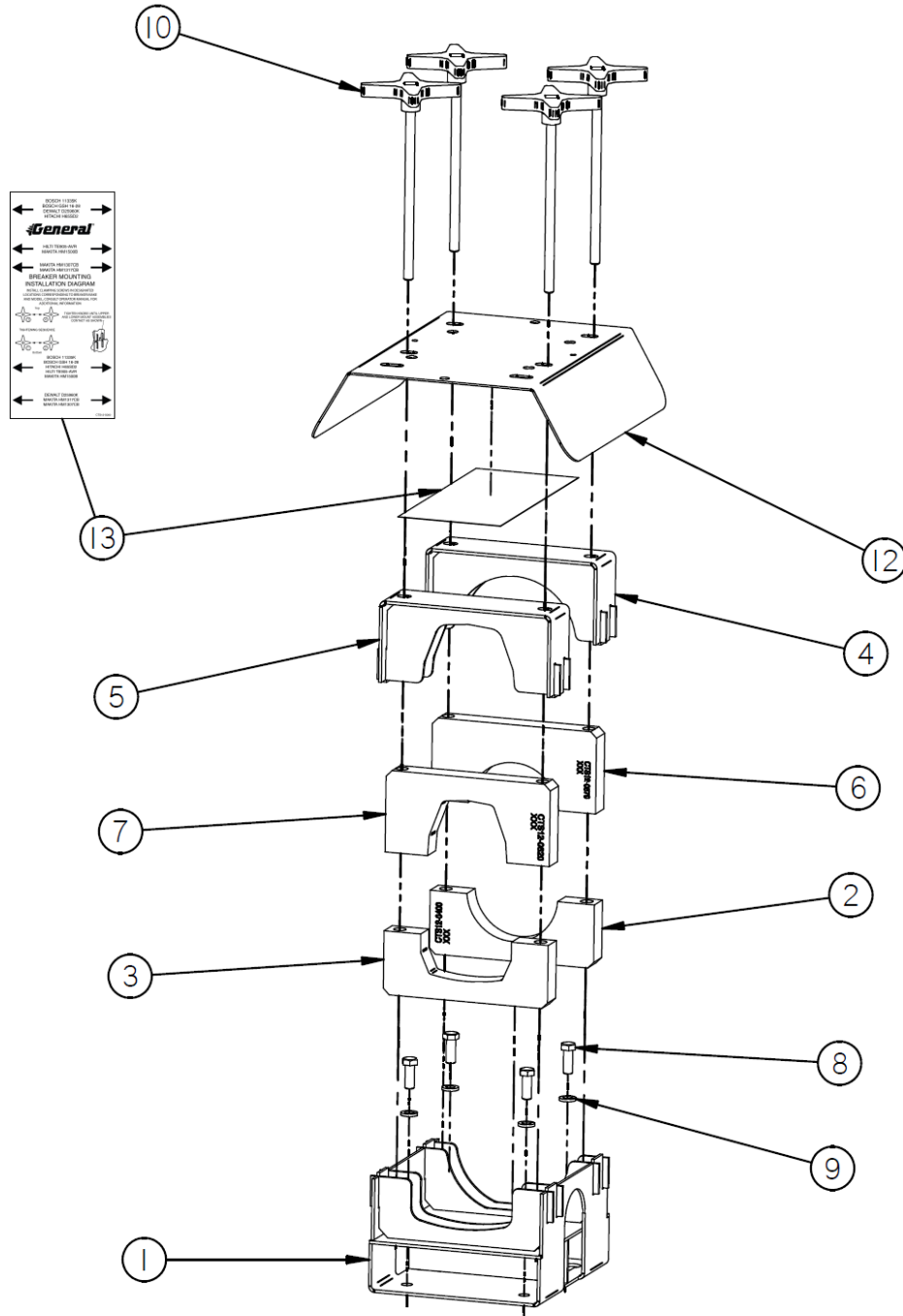
*Replacement Parts Diagram
Breaker Mount Assembly
Hilti® TE 905-AVR*



*Replacement Parts Diagram
 Breaker Mount Assembly
 Hilti® TE 905-AVR*

Reference Number	Part Number	Description	Quantity
1	CTS12-1000	Weldment, Mount, Base	1
2	CTS12-1001	Weldment, Clamp, Cap	2
3	CTS12-0040	Cover, Hammer	1
4	CTS12-0075	Screw, Clamp, 7.62 L	4
5	CTS12-0310	Block, Clamp, Elastomeric TE 905-AVR, Hilti®	2
6	CTS12-0380	Block, Clamp, Elastomeric TE 905-AVR, Hilti®	2
7	15061000	Screw, Cap, 3/8-16 UNC x 1-1/4", Plated	2
8	16060000	Washer, Lock, 3/8", Plated	2

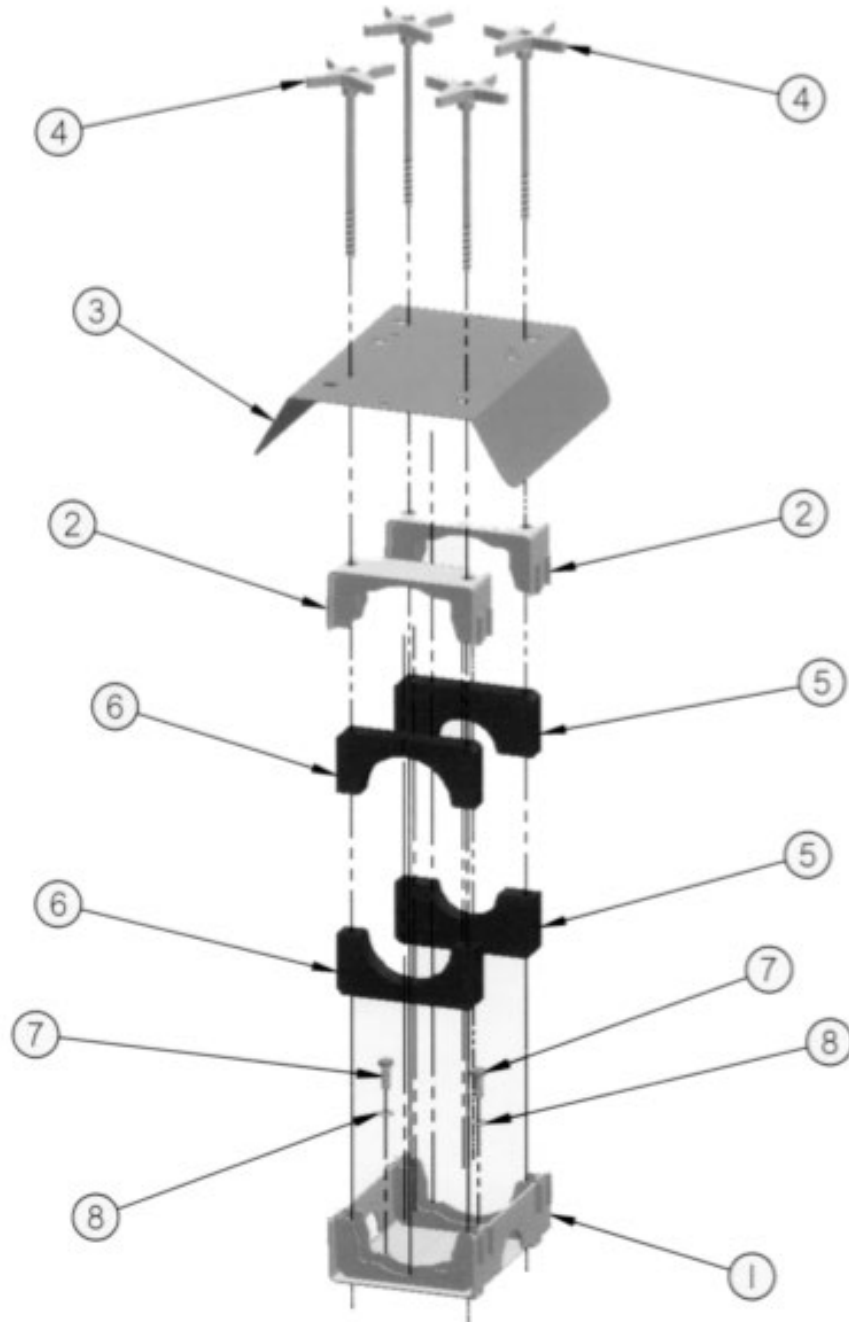
Replacement Parts Diagram Breaker Mount Assembly Hilti® TE 1000-AVR



*Replacement Parts Diagram
 Breaker Mount Assembly
 Hilti® TE 1000-AVR*

Reference Number	Part Number	Description	Quantity
1	CTS12-1410	Weldment, Mount, Base	1
2	CTS12-0400	Block, Clamp	1
3	CTS12-0391	Block, Clamp	1
4	CTS12-1403	Weldment, Clamp	1
5	CTS12-1404	Weldment, Clamp	1
6	CTS12-0570	Block, Clamp	1
7	CTS12-0620	Block, Clamp	1
8	15060800	HHCS, 3/8-16 X 1, G5, ZY	4
9	1606000	Washer, Lock, 3/8, ZY	4
10	CTS12-0075	Clamp, Screw	4
12	CTS12-0040	Cover, Hammer	1
13	CTS12-5080	Decal, Mount Locator	1

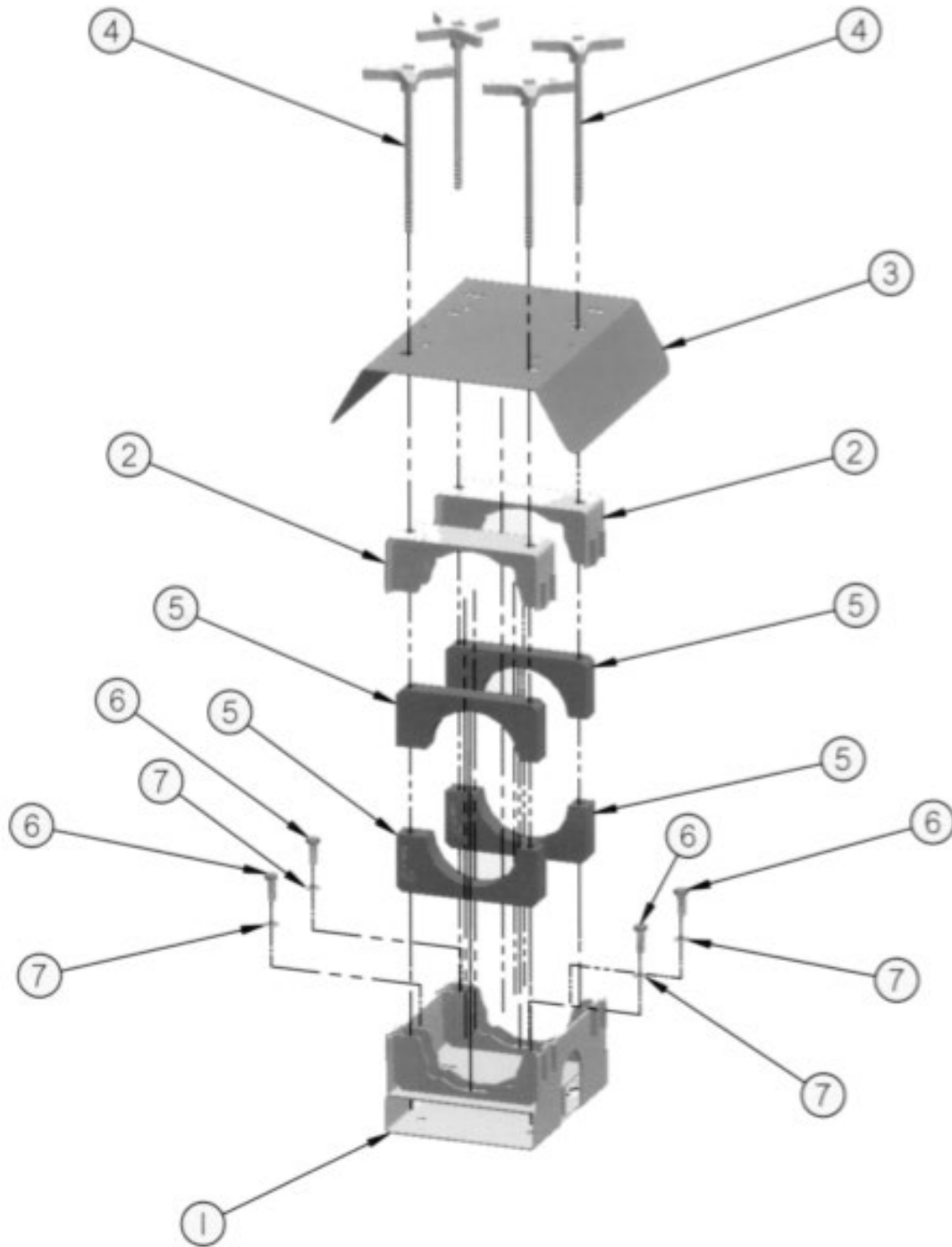
Replacement Parts Diagram Breaker Mount Assembly Hitachi® H65SD2



Replacement Parts Diagram
Breaker Mount Assembly
Hitachi® H65SD2

Reference Number	Part Number	Description	Quantity
1	CTS12-1200	Weldment, Mount, Base	1
2	CTS12-1001	Weldment, Clamp, CAP	2
3	CTS12-0040	Cover, Hammer	1
4	CTS12-0075	Screw, Clamp, 7.62 L	4
5	CTS12-0500	Block, Clamp, Elastomeric H65SD2, Hitachi®	2
6	CTS12-0510	Block, Clamp, Elastomeric H65SD2, Hitachi®	2
7	15061000	Screw, Cap, 3/8-16 UNC x 1-1/4", Plated	2
8	16060000	Washer, Lock, 3/8", Plated	2

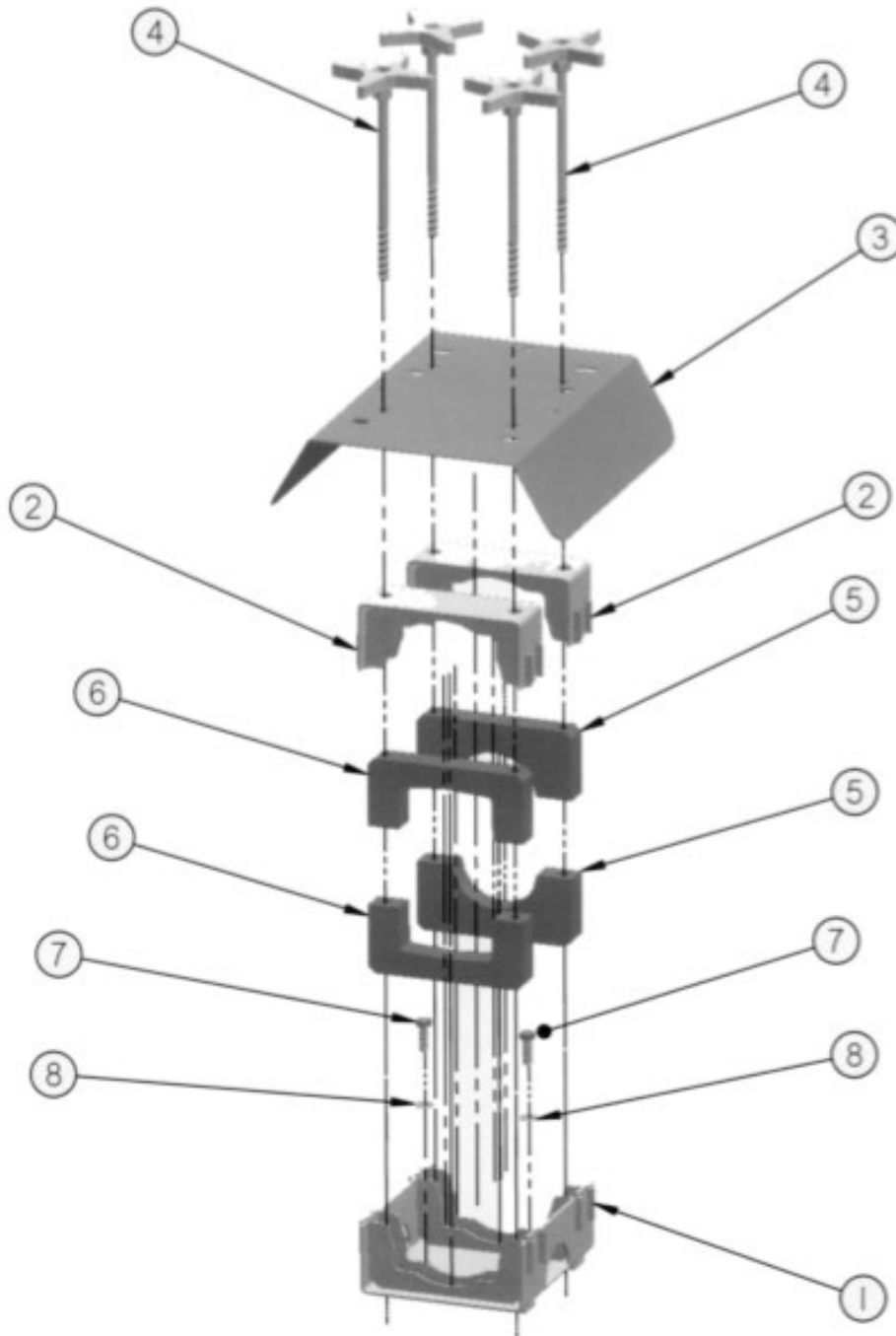
Replacement Parts Diagram Breaker Mount Assembly Makita® HM1317CB



Replacement Parts Diagram
Breaker Mount Assembly
Makita® HM1317CB

Reference Number	Part Number	Description	Quantity
1	CTS12-1100	Weldment, Mount, Base	1
2	CTS12-1101	Weldment, Clamp, Cap	2
3	CTS12-0040	Cover, Hammer	1
4	CTS12-0070	Screw, Clamp, 7.08 L	4
5	CTS12-0490	Block, Clamp, Elatomeri c HMI317CB, Makita®	4
6	15060800	Screw, Cap, 3/8-16 UNC x 1", Plated	4
7	16060000	Washer, Lock, 3/8", Plated	4

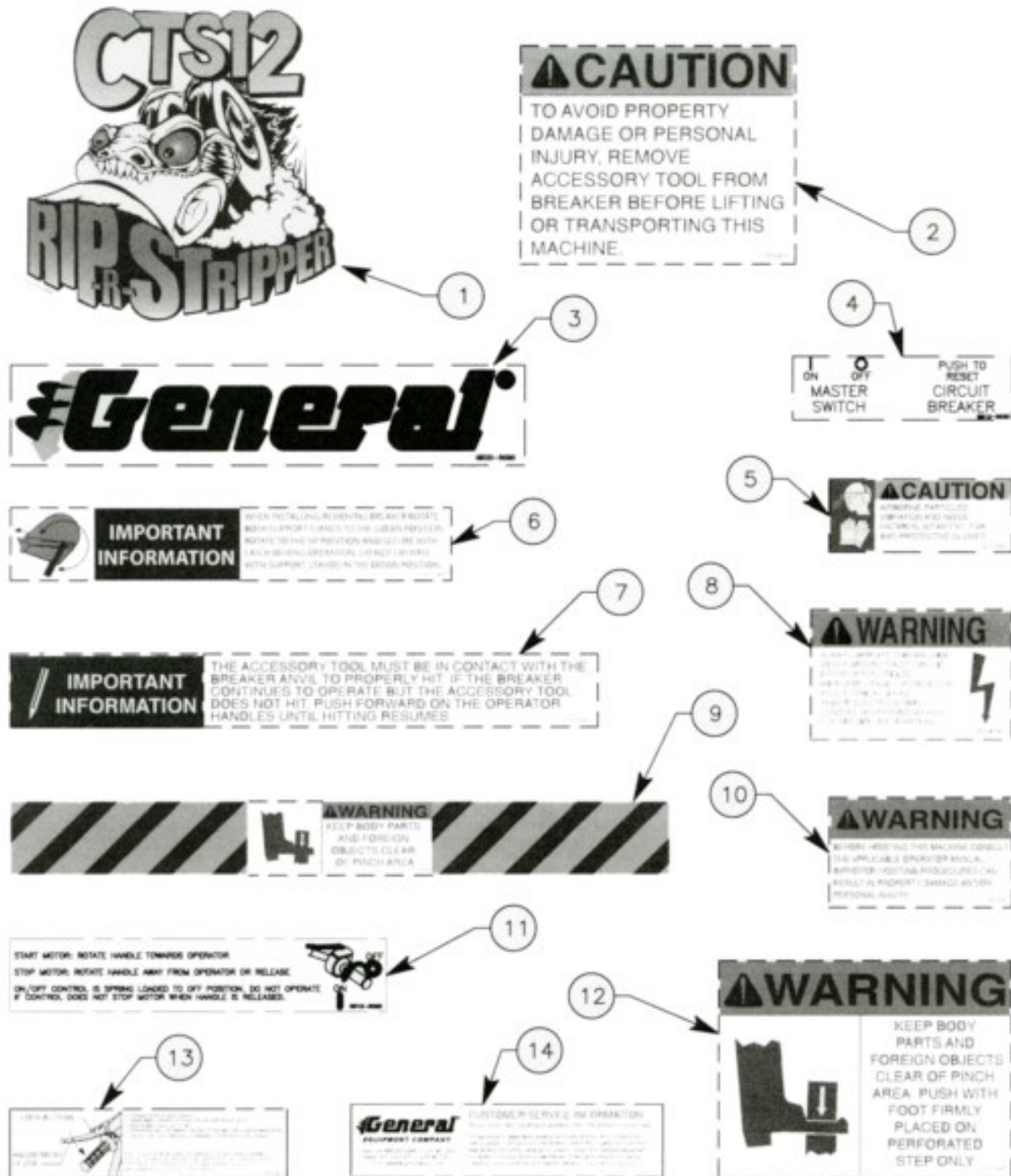
Replacement Parts Diagram Breaker Mount Assembly Makita® HM1500B



Replacement Parts Diagram
Breaker Mount Assembly
Makita® HM1500B

Reference Number	Part Number	Description	Quantity
1	CTS12-1000	Weldment, Mount, Base	1
2	CTS12-1001	Weldment, Clamp, Cap	2
3	CTS12-0040	Cover, Hammer	1
4	CTS12-0075	Screw, Clamp, 7.62 L	4
5	CTS12-0310	Block, Clamp, Elastomeric HM1500B, Makita®	2
6	CTS12-0300	Block, Clamp, Elastomeric HM1500B, Makita®	2
7	15061000	Screw, Cap, 3/8-16 UNC x 1-1/4", Plated	2
8	16060000	Washer, Lock, 3/8", Plated	2

Replacement Parts Diagram Decals



Replacement Parts Diagram Decals

Reference Number	Part Number	Description	Quantity
1	CTS-5050	Decal, RIP-R-STRIPPER	2
2	CTS12-5010	Decal, Caution, Transport	1
3	GECD-5020	Decal, General	1
4	SG12-5030	Decal, Switch	1
5	FCS5-5020	Decal, Caution, Read	1
6	CTS12-5060	Decal, Kickstand	2
7	CTS12-5070	Decal, Operation	1
8	FCS16-5030	Decal, Warning, Electrical Shock	1
9	CTS12-5040	Decal, Warning, Feet Clear	2
10	CS8-5050	Decal, Warning, Hoisting	2
11	SG12-5020	Decal, Starting	1
12	CTS12-5030	Decal, Warning, Pinch, Point	1
13	CTS12-5020	Decal, Lever	1
14	SG24-5072	Decal, Assistance	1