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THE PERFECT FIT

COUPLER OPERATION MANUAL

Proven, Durable & Trusted
for Generations



www.geith.com

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Visit us on www.Geith.com and learn more about operations, servicing and installation on our Geith.TV menu.

INTRODUCTION

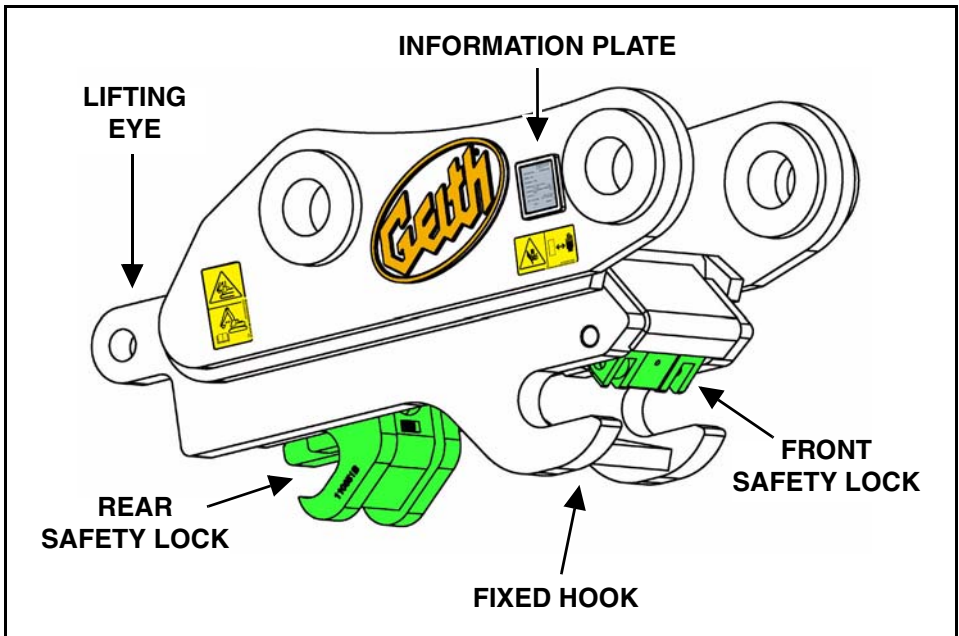
TO THE CUSTOMER

Thank you for purchasing a Geith Quick Coupler. Geith attachments are designed and manufactured to the highest quality standards and backed up by the Geith commitment to service and parts support. Learn more at www.geith.com

WARNING

Instructions are necessary before operating or servicing the equipment. All personnel must read and understand the Operation Manual and signs (decals) on the equipment. Follow warnings and instructions in the manual when making adjustments, repairs or servicing. Check for correct function after making adjustments, repairs or servicing. Failure to follow instructions can cause injury or death.

IDENTIFICATION



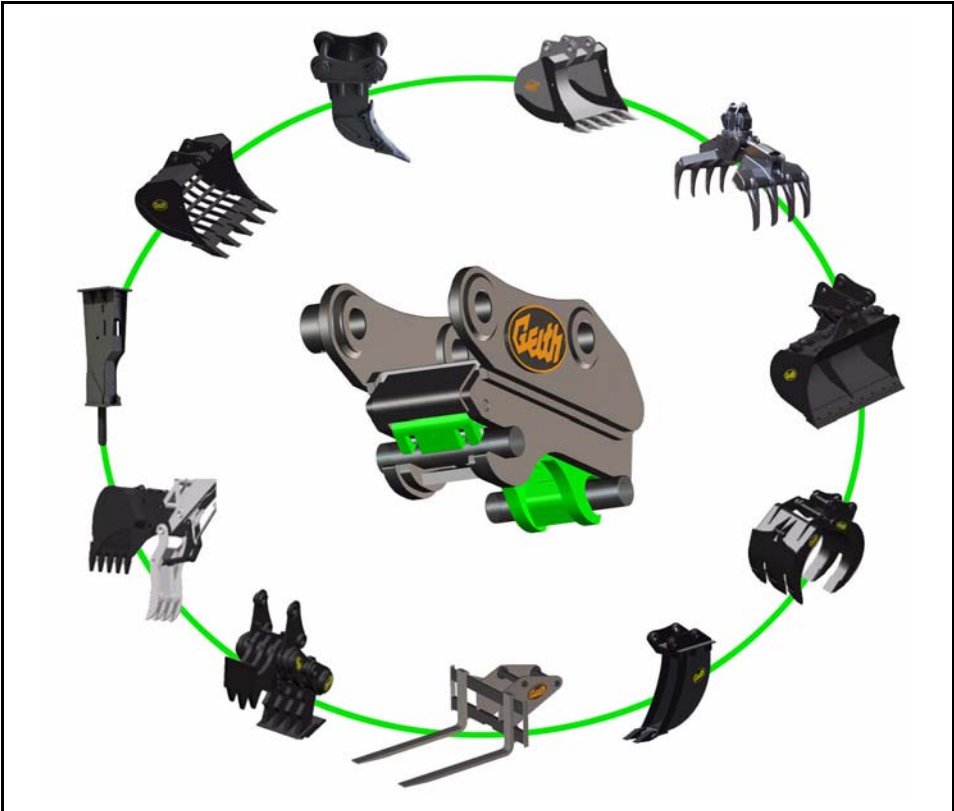
INTRODUCTION

APPLICATION RECOMMENDATIONS

The Geith range of quick couplers are designed for use with all makes of excavators, combined with a wide range of attachments, to suit a wide range of work applications.



It is the responsibility of the owner and operators of the quick coupler to ensure that the quick coupler is used and maintained in a safe and appropriate manner that will not cause damage to or make unsafe in any way, the operation of the quick coupler or equipment being used.



SAFETY INSTRUCTIONS



This symbol is used to call attention to instructions concerning personal safety. Be sure to observe and follow these instructions.



The signal word **DANGER** on the equipment and in the manual identifies a hazardous situation which, if not avoided, **WILL** result in death or serious injury.



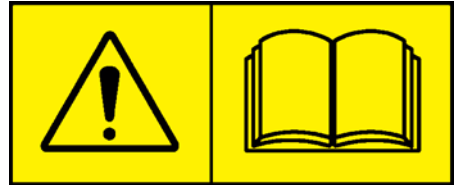
The signal word **WARNING** on the machine and in the manual indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury.



The signal word **CAUTION** on the machine and in the manual indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor or moderate injury. It may also be used to alert against unsafe practices.



This notice identifies procedures which must be followed to avoid damage to the machine.



Instructions are necessary before operating or servicing the equipment. All personnel must read and understand the Operation Manual and signs (decals) on the equipment. Follow warnings and instructions in the manual when making adjustments, repairs or servicing. Check for correct function after making adjustments, repairs or servicing. Failure to follow instructions can cause injury or death.

SAFETY

Operating Safety



AVOID SERIOUS INJURY OR DEATH

Failure to fully engage front and rear safety locks before operating can allow the attachment to come off.

- All users / operators must be properly trained in the use of the specific model of quick coupler intending to be used.
- It is the responsibility of the machine owner to ensure only properly trained operators use the quick coupler.

- Failure to operate and maintain equipment correctly can result in serious injury or death.
- Do not allow bystanders or personnel in maximum reach and swing area while operating equipment.
- Never move a load above personnel.
- Never allow riders on quick coupler or attachments.

Servicing Safety

- Always place the quick coupler and attachment on a flat, level surface before servicing.
- Stop engine and remove machine key.
- Always depressurise hydraulic system before servicing.
- Collect and retain all oil released from system during maintenance.

Attachment Safety

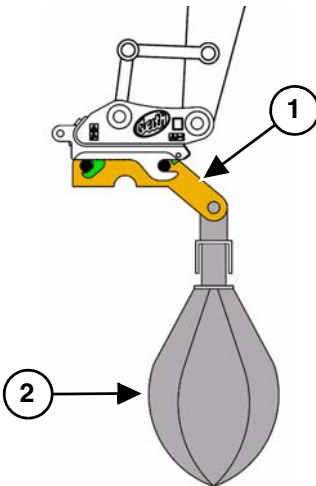


Never connect any attachment using only one of the attachment pins.



All attachments **MUST** be connected using the two attachment pins.

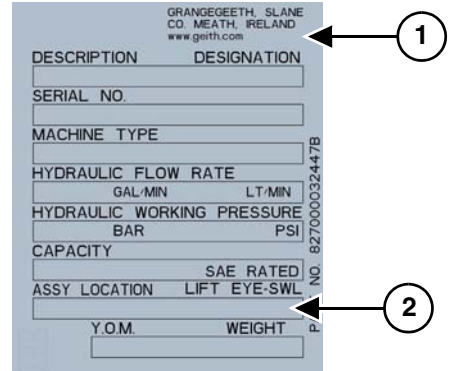
Figure 1



Always use a two pin adapter (1) when connecting to single pin attachments (2) [Figure 1].

Working Load Safety

Figure 2



Always reference the Information Plate (1) on the quick coupler for the lift eye capacity (2) [Figure 2] before using the quick coupler for lifting.



Lift capacity of the excavator / machine is reduced when fitted with a quick coupler.

See the machine's Operation Manual for the Rated Lift Capacity of the machine before lifting with the quick coupler.

Always use the lowest Rated Lift Capacity between the machine and quick coupler to determine the rated lift capacity when the quick coupler is used with the excavator.

SAFETY

Quick Coupler Lifting Safety



TIPPING CAN CAUSE SERIOUS INJURY OR DEATH

Do not exceed the machine's Rated Lift Capacity.



Only use the quick coupler lift eye for lifting if the machine it is installed on is rated and equipped for lifting operations.

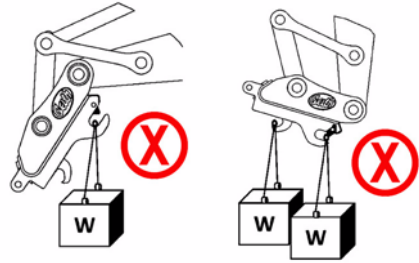


Before using the quick coupler lift eye, remove attachment that is connected to the quick coupler.



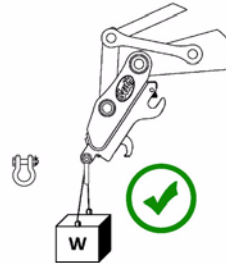
Use of an appropriate shackle is recommended when using the quick coupler for lifting.

Figure 3



Never use the attachment pin connection hooks of the quick coupler for lifting [Figure 3].

Figure 4



Always lift with the quick coupler vertical, allowing the load and lifting accessories to hang free without contacting the coupler body [Figure 4].

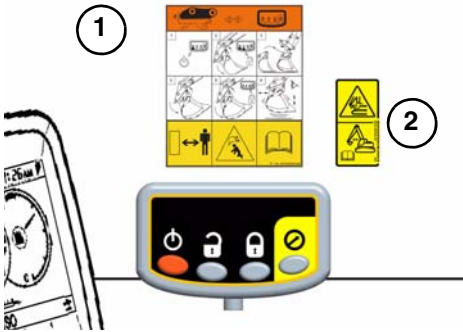


Failure to follow the suggested lifting procedure may result in equipment failure and the loss of the supported load.

DECAL INSTALLATION

Instruction and warning decals are supplied with this quick coupler.

Figure 5



Install the two decals inside of the cab window [Figure 5].

NOTE: Replace any damaged instruction and warning decals.



827000028754B

Operating Instructions decal (Item 1) [Figure 5].



827000087399

Operating Instructions decal (Item 2) [Figure 5].

SAFETY

DECAL IDENTIFICATION

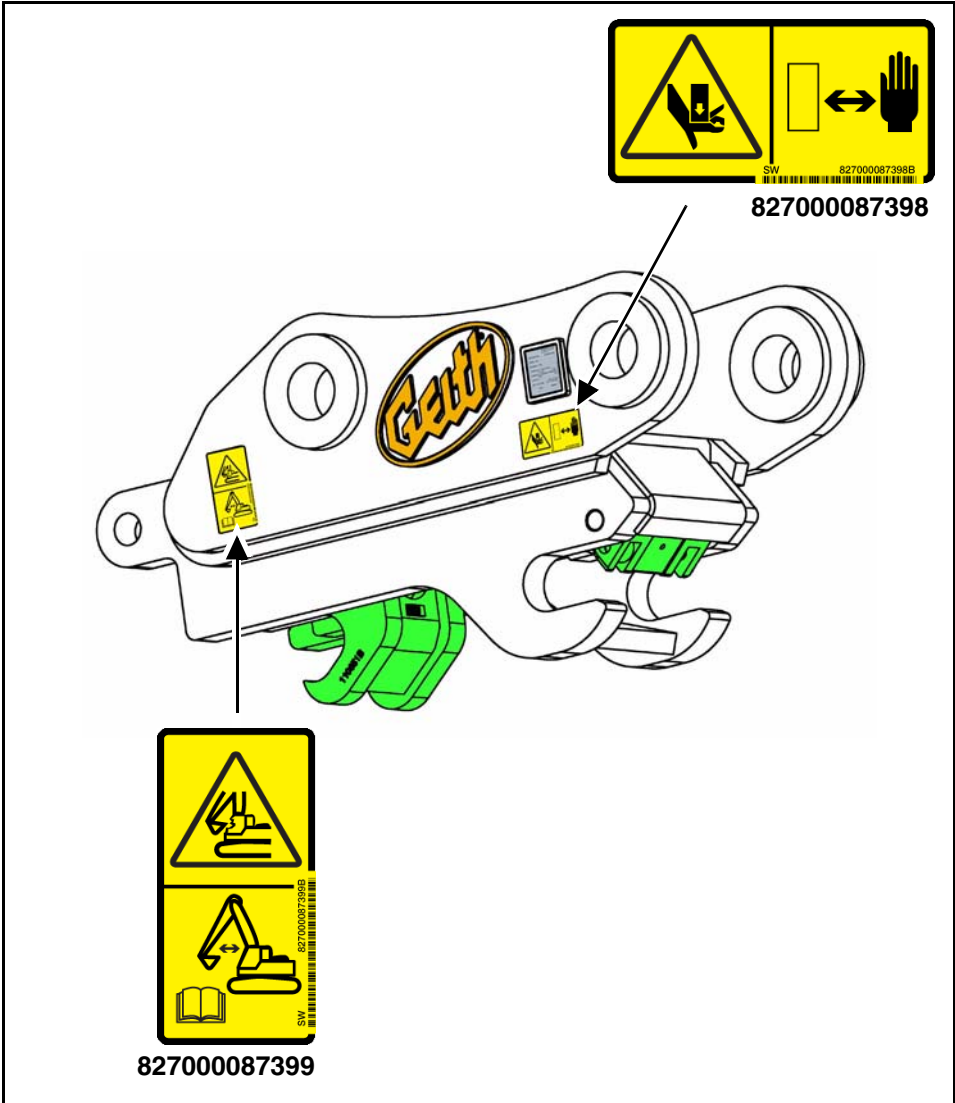


Figure 6



Interference with machine, quick coupler and attachment [Figure 6].

Operate the quick coupler and attachment through its full range of motion to check interference between attachment and machine that could damage machine, quick coupler and attachment [Figure 6].

NOTE: Replace any damaged instruction and warning decals.

Figure 7



Pinch Hazard [Figure 7].

WARNING

**MOVING PARTS CAN CAUSE
SERIOUS INJURY**

Keep hands and fingers away from moving parts [Figure 7].

NOTE: Replace any damaged instruction and warning decals.

SAFETY



OPERATION

OPERATING INSTRUCTIONS

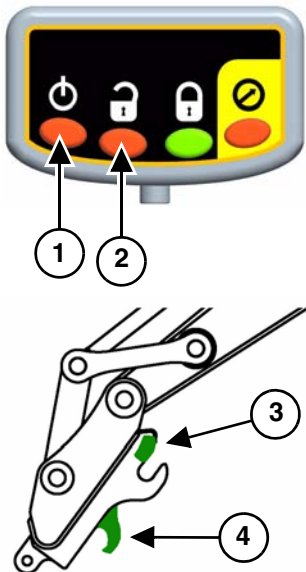
Engaging Attachments



AVOID INJURY OR DEATH

Keep bystanders away when engaging and releasing attachment.

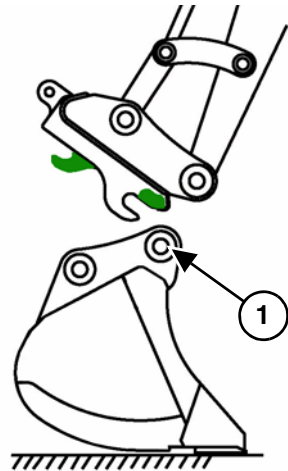
Figure 1



Press power button (1) [Figure 1].

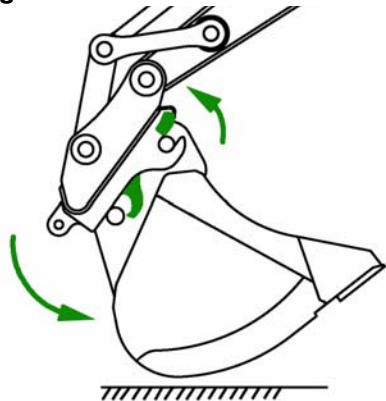
Press unlock button (2) [Figure 1] within six seconds of pressing power button, curl to build the pressure to open the front (3) and rear (4) safety locks.

Figure 2



Lower the quick coupler and engage the front pin (1) [Figure 2] of the attachment.

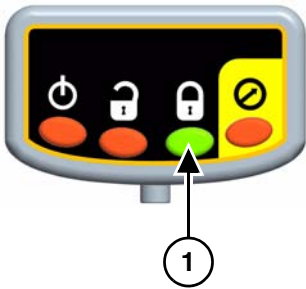
Figure 3



Always lift with the quick coupler vertical, allowing the attachment link pin to contact the coupler body [Figure 3].

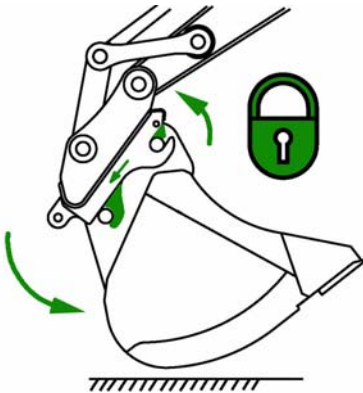
OPERATION

Figure 4



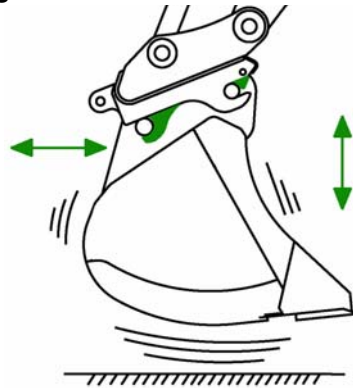
With the quick coupler crowded fully, press the lock button (1) [Figure 4].

Figure 5



Continue to crowd the quick coupler fully for ten seconds or until the front and rear safety locks engage the attachment pins [Figure 5].

Figure 6



Roll out the quick coupler, shake the attachment vigorously and lower the boom to the ground and apply down pressure to the quick coupler and attachment to check that the attachment is fully engaged and locked to the quick coupler. [Figure 6].



AVOID SERIOUS INJURY OR DEATH

Failure to fully engage front and rear safety locks before operating can allow the attachment to come off.

OPERATION

Releasing Attachments

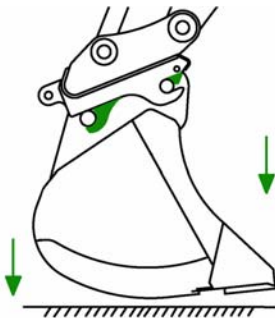


AVOID INJURY OR DEATH

Keep bystanders away when engaging and releasing attachment.

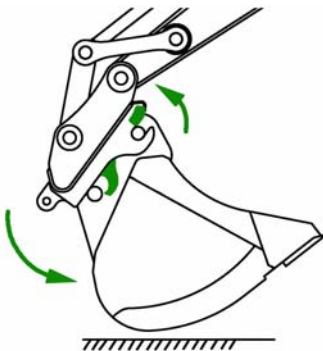
Park the machine on flat, level surface.

Figure 7



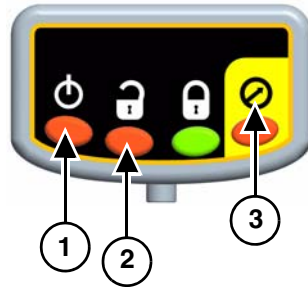
Lower quick coupler and attachment to the ground [Figure 7].

Figure 8



Fully crowd the quick coupler inward [Figure 8].

Figure 9

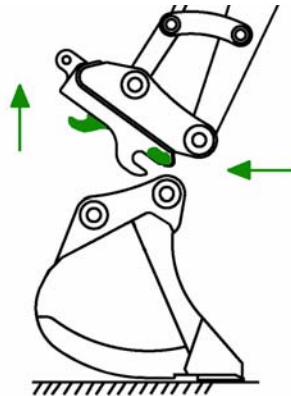


Press power button (1) [Figure 9].

Press unlock button (2) [Figure 9] within six seconds of pressing power button.

Continue to crowd the quick coupler until the pressure signal LED (3) [Figure 9] illuminates.

Figure 10



Lower the attachment to the ground.

Move the quick coupler away from the attachment [Figure 10].

OPERATION

Releasing Attachment Using The Pressure Signal Bypass



PRESSURE SIGNAL BYPASS

To open the coupler, the standard Geith control system requires the operator to fully crowd the coupler to obtain a pressure signal. With large attachments or specific attachments (such as pallet forks,) this may not be possible. By following a different opening sequence we can bypass the pressure signal and still maintain a safe opening procedure.

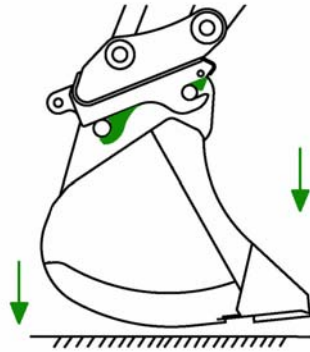


AVOID INJURY OR DEATH

Keep bystanders away when engaging and releasing attachment.

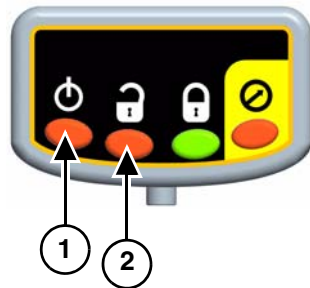
Park the machine on flat, level surface.

Figure 11



Lower quick coupler and attachment to the ground [Figure 11].

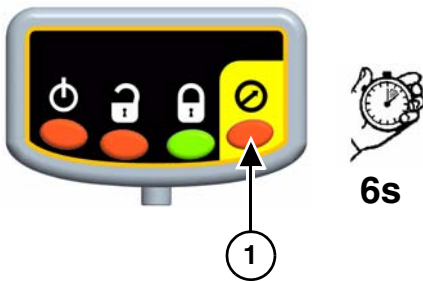
Figure 12



Press power button (1) [Figure 12].

Press unlock button (2) [Figure 12] within six seconds of pressing power button.

Figure 13



Press and HOLD pressure bypass (1) [Figure 12] (six seconds) until the pressure signal illuminates.

With the safety locks released, move the quick coupler away from the attachment.

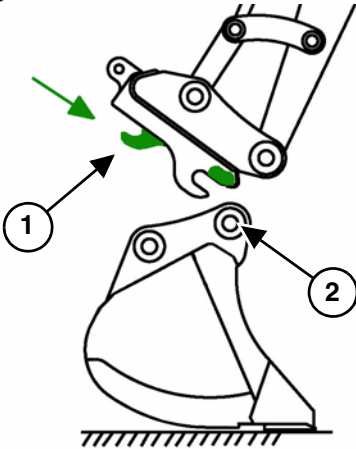
NOTE: The locks will open at a slower rate. To speed up the opening rate, make small adjustments to the bucket curl lever (open and closing).

OPERATION

MECHANICAL AUTO-LOCK QUICK COUPLER

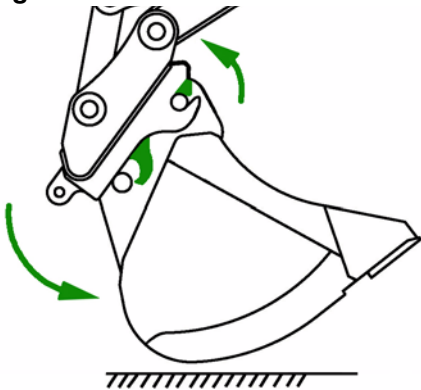
Engaging Attachments

Figure 14



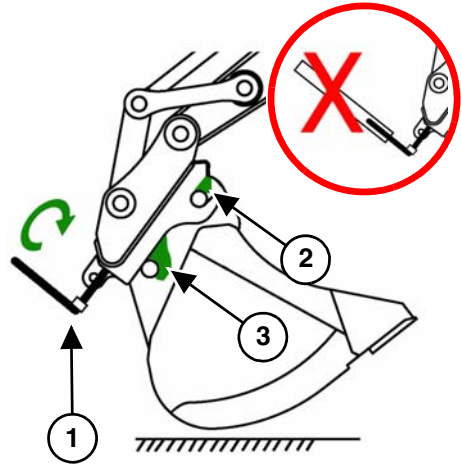
With the Auto-Lock (1) open, Lower the quick coupler and engage the front pin (2) [Figure 14] of the attachment.

Figure 15



Always lift with the quick coupler vertical, allowing the attachment link pin to contact the coupler body [Figure 15].

Figure 16



Install the drive bar (1) onto the cylinder drive shaft at the back of the engaging plate. While tightening, the Auto-Lock clasp (2) [Figure 16] will close over the front pin securing the attachment to the Quick-Coupler.

Continue tightening until the engaging plate (3) [Figure 16] is under the attachment link pin.

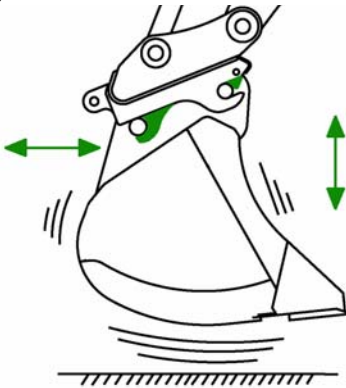


Do not extend drive bar (by use of extension tube etc.) over tightening may result in difficulty releasing the attachment, or damage to the mechanism.

Remove the drive bar and store in excavator cab.

OPERATION

Figure 17



Roll out the quick coupler, shake the attachment vigorously and lower the boom to the ground and apply down pressure to the quick coupler and attachment to check that the attachment is fully engaged and locked to the quick coupler [Figure 17].



AVOID SERIOUS INJURY OR DEATH

Failure to fully engage front and rear safety locks before operating can allow the attachment to come off.

Releasing Attachments

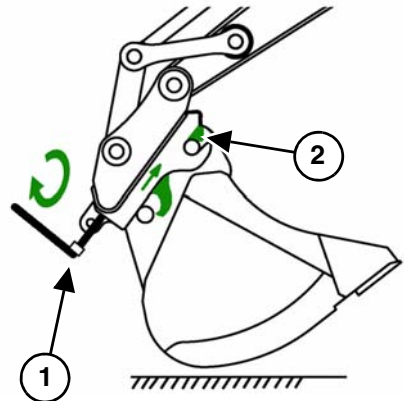


AVOID INJURY OR DEATH

Keep bystanders away when engaging and releasing attachment.

Park the machine on flat, level surface.

Figure 18



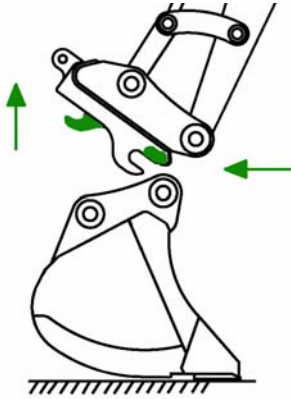
Install the drive bar (1) [Figure 18] onto the cylinder drive shaft at back of engaging. Turn the drive bar anti-clockwise to release the back pin lock.

Continued loosening to open the Auto-Lock (2) [Figure 18].

Remove drive bar from the quick hitch.

OPERATION

Figure 19

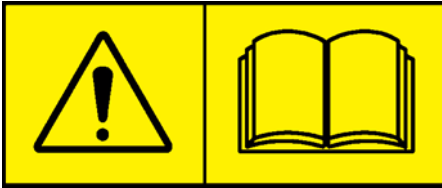


Lower the attachment to the ground.

Move the quick coupler away from the attachment [Figure 19].

SERVICING

SAFETY INSTRUCTIONS



Instructions are necessary before servicing the equipment. All personnel must read and understand the Operation Manual and signs (decals) on the equipment. Follow warnings and instructions in the manual when making adjustments, repairs or servicing. Check for correct function after making adjustments, repairs or servicing. Failure to follow instructions can cause injury or death.



WARNING

AVOID INJURY OR DEATH

Before servicing the quick coupler:

- Lower the quick coupler to the ground.

Stop the engine and remove the key.

WARNING



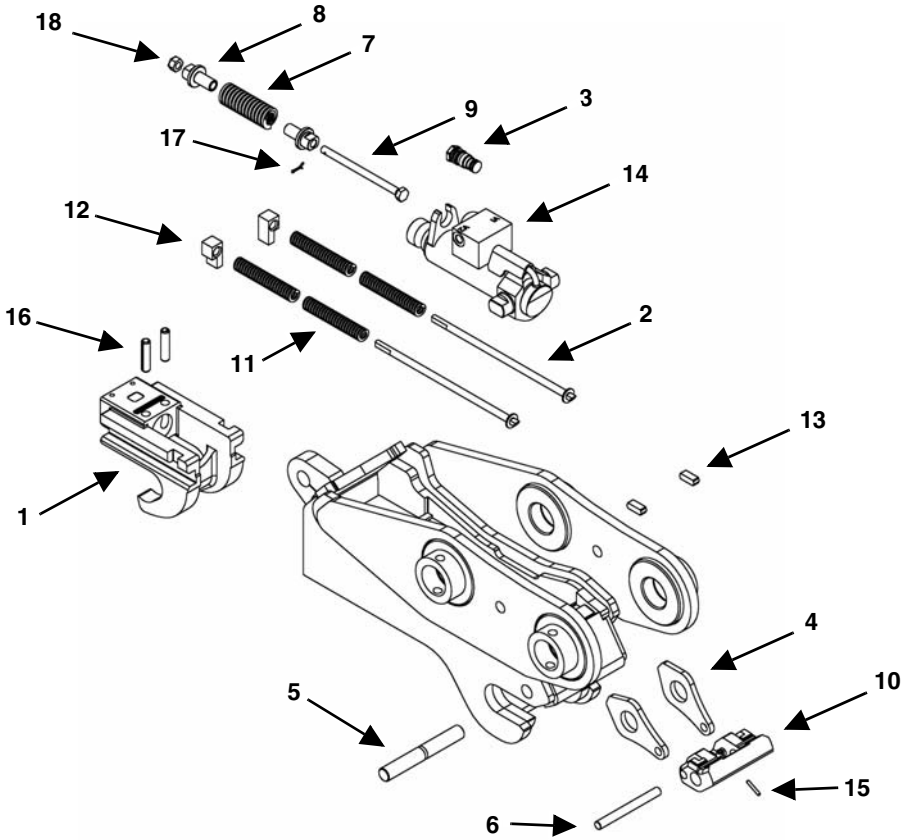
HIGH PRESSURE FLUID HAZARD

To prevent serious injury or death from high pressure fluid:

- Relieve pressure on system before repairing or adjusting.
 - Wear proper hand and eye protection when searching for leaks. Use wood or cardboard instead of hands.
 - Keep all components in good repair.
 - Stop the engine and release all hydraulic pressure in the system.
-

SERVICING

QUICK COUPLER COMPONENT IDENTIFICATION (HYDRAULIC)

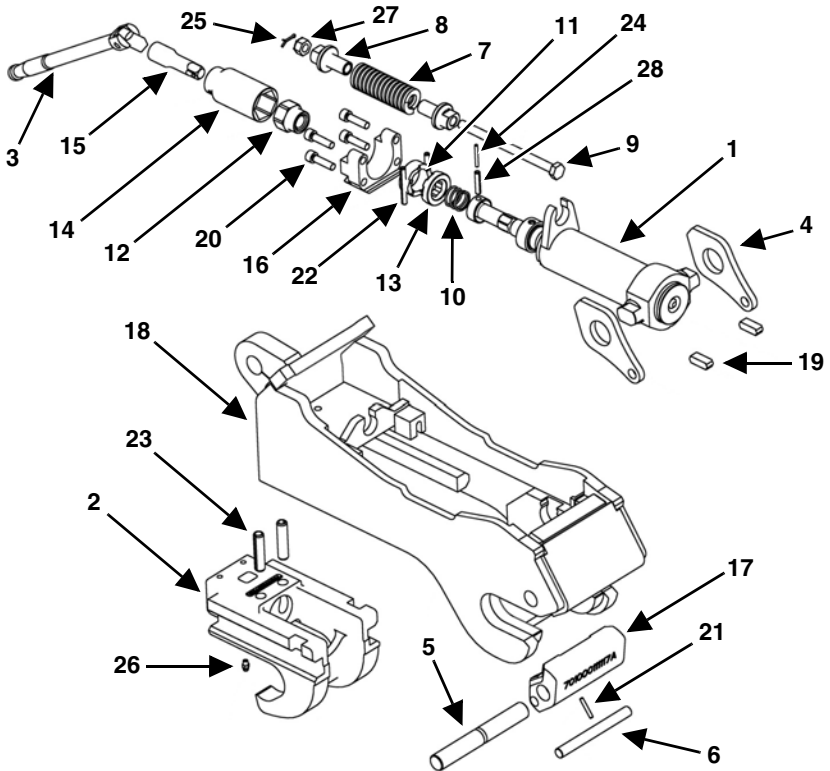


ITEM	DESCRIPTION
1	CAST WEDGE
2	GUIDE PIN SUB-ASSEMBLY
3	CHECK VALVE
4	LINK
5	LOCK PIN
6	LOCK LINK PIN
7	DIE SPRING
8	DIE SPRING BUSHING
9	BOLT, W / HOLE
10	CAST-LOCK

ITEM	DESCRIPTION
11	DIE-SPRING
12	SLIDING BLOCK
13	BUNG
14	HYDRAULIC CYLINDER
15	ROLL PIN
16	ROLL PIN
17	SPLIT PIN
18	NYLON LOCKNUT
19	SEAL KIT

SERVICING

QUICK COUPLER COMPONENT IDENTIFICATION (MECHANICAL)



ITEM	DESCRIPTION
1	MANUAL CYLINDER ASSEMBLY
2	CAST WEDGE
3	POWER BAR
4	LINK
5	LOCK PIN
6	LOCK LINK PIN
7	DIE SPRING
8	DIE SPRING BUSHING
9	BOLT, W / HOLE
10	COMPRESSION SPRING
11	FIXED LOCK BUSHING
12	LOCK NUT
13	MOVING LOCK BUSHING
14	DEEP SOCKET

ITEM	DESCRIPTION
15	EXTENSION BAR
16	GUARD
17	CAST-LOCK
18	FRAME ASSEMBLY
19	BUNG
20	CAP SCREW
21	ROLL PIN
22	ROLL PIN
23	ROLL PIN
24	ROLL PIN
25	SPLIT PIN
26	GREASE NIPPLE
27	LOCKNUT
28	ROLL PIN

SERVICING

TROUBLESHOOTING

Electrical System

PROBLEM	CAUSE	CORRECTION
Control panel not working.	Loose / faulty wires.	Check wires.
	Faulty machine fuse.	Replace machine fuse.
	Faulty ground wire.	Check ground wire.
	Faulty control box.	Replace control box.

Hydraulic System

PROBLEM	CAUSE	CORRECTION
Safety locks not releasing.	Low hydraulic pressure.	Check hydraulic pressure.
	Faulty pressure switch.	Replace pressure switch.
	Faulty check valve.	Clean or replace check valve.
	Faulty cylinder.	Replace cylinder.
Safety locks releasing during operation.	Faulty seals in cylinder.	Replace seals.
	Faulty check valve.	Clean or replace check valve.
	Faulty cylinder.	Replace cylinder.
Safety locks closing when changing attachments.	Faulty check valve or pilot valve.	Clean or replace check valve or pilot valve.
	Faulty cylinder.	Replace cylinder.

SERVICING

Mechanical System

PROBLEM	CAUSE	CORRECTION
Safety locks not engaging or releasing.	Faulty cylinder.	Replace cylinder.
	Drive bar retaining collar loose or missing.	Tighten or replace retaining collar.
	Worn drive bar.	Replace drive bar.
	Worn internal disc springs.	Replace internal disc springs.

SERVICING

QUICK COUPLER INSPECTION

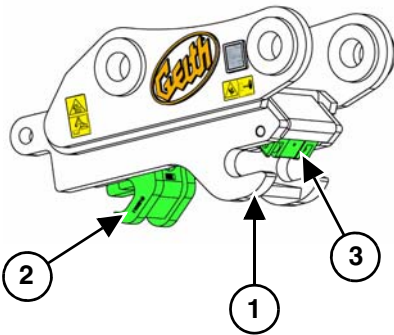
After Installation / Operation

Check and inspect hose routings and connections after 15 minutes of operation. Tighten connections if required.

Daily Inspection

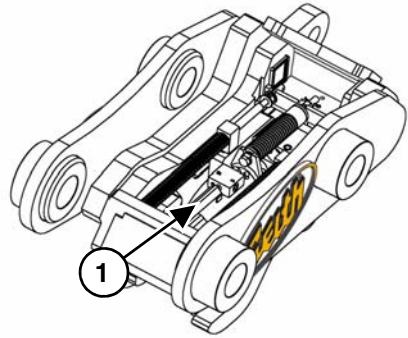
Remove all dirt and debris from the quick coupler and internal mechanisms (hydraulic cylinder, linkage, spring mechanism).

Figure 20



Inspect the fixed hook (1) and safety locks (2 & 3) [Figure 20] for wear or damage.

Figure 21



Inspect the hydraulic cylinder (1) [Figure 21] for wear or damage.

Check all fixing points (bolts, nuts, clips, pins, etc.) for wear or damage.

Check all hydraulic hoses and connections for leaks.

Weekly Inspection

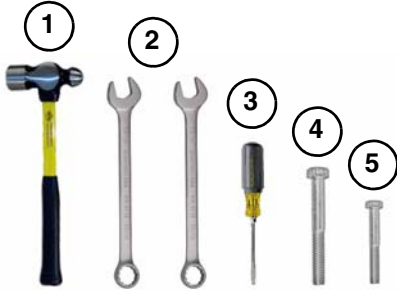
Clean quick coupler and visually inspect the quick coupler structure and all components for excessive wear or damage.

SERVICING

PART REPLACEMENT

Required Tools

Figure 22



Hammer (1) [Figure 22].

Two Wrenches (2) [Figure 22] (Check quick coupler for correct size).

Flat-head Screwdriver (3) [Figure 22].

Large Bolt / Punch (4) [Figure 22] (10mm or 20mm).

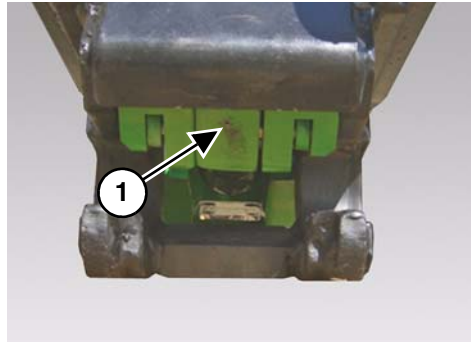
Small Bolt / Punch (5) [Figure 22] (Check quick coupler for correct size).

Removing The Quick Coupler

Partially curl in the Quick Coupler (link pin lower than dipper pin).

Retract the quick coupler cylinder.

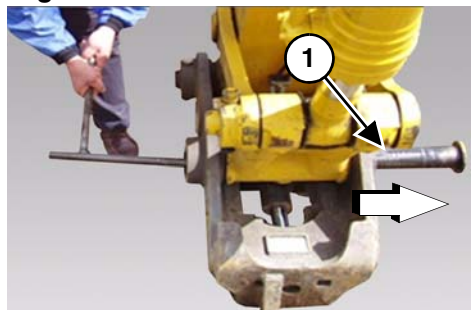
Figure 23



Using a small bolt / punch, remove the safety clasp roll pin (1) [Figure 23].

Lower the quick coupler to the ground.

Figure 24



Remove machine link pin (1) [Figure 24] from the quick coupler.

Retract the bucket cylinder and move the machine linkage away from the quick coupler.

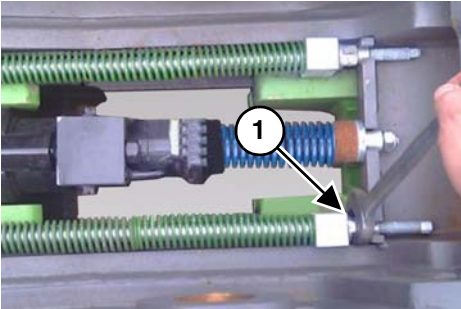
SERVICING

Stop the engine and release any hydraulic pressure in the system.

Remove the hydraulic hoses from the cylinder.

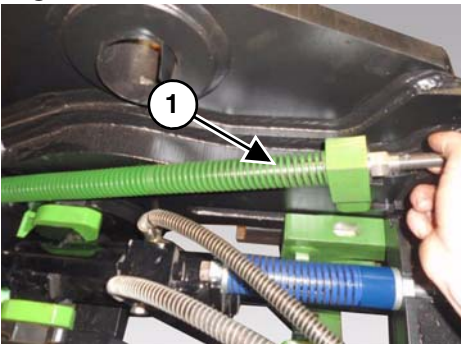
Disassembly (QC60 - QC140)

Figure 25



Tighten the retaining bolt (1) [Figure 25] until Guide pin end retracts from slot..

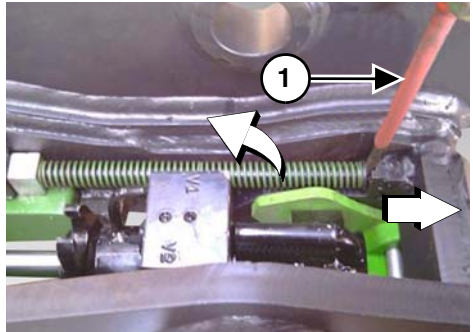
Figure 26



Remove spring retaining bolt assembly (1) [Figure 26].

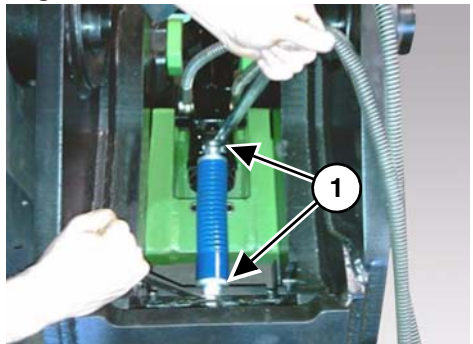
Disassembly (QC35 - QC55)

Figure 27



Insert a flat head screwdriver (1) [Figure 27] at the end of the spring assembly, pull back on the screwdriver and remove the spring assembly.

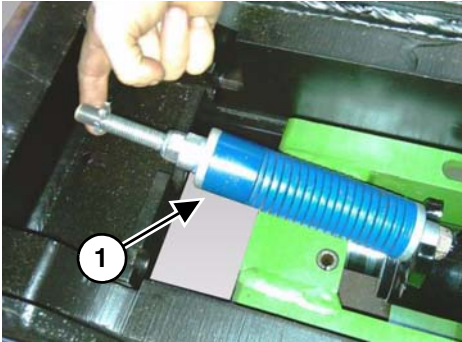
Figure 28



Tighten the spring retaining bolt (1) [Figure 28] until free from housing.

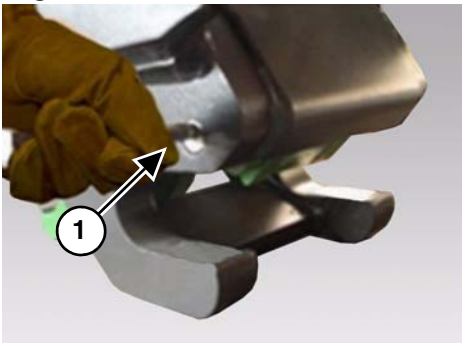
NOTE: Make sure the flats of the spring retainers are in line with retaining brackets so that it will fit into place. Some models may vary slightly in design.

Figure 29



Remove spring assembly (1) [Figure 29].

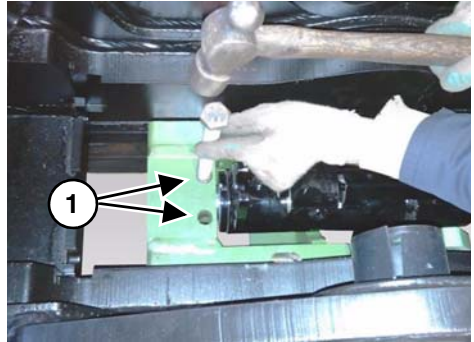
Figure 30



Remove the locking clasp main pivot pin (1) [Figure 30].

Remove the locking clasp from the quick coupler.

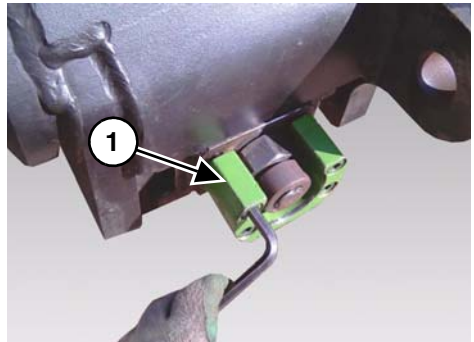
Figure 31



Using a punch tool and hammer, remove the sliding hook retaining roll pins (1) [Figure 31].

Disassembly (Mechanical Coupler QC45 - QC90)

Figure 32



Remove four allen head cap screws and bolt on guard (1) [Figure 32].

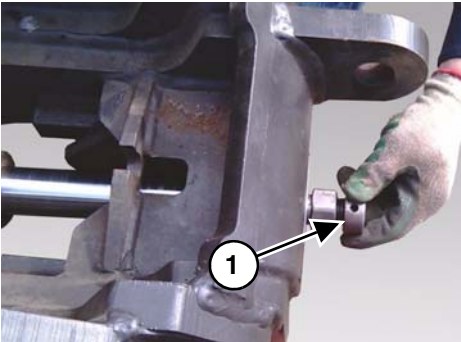
SERVICING

Figure 33



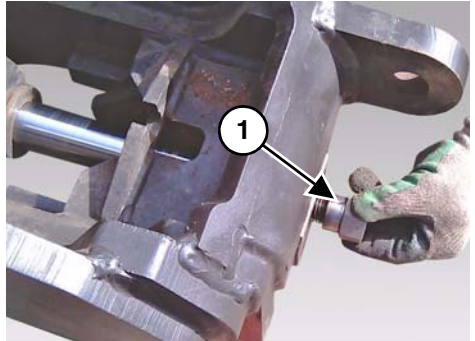
Using a punch tool and hammer, remove roll pin (1) [Figure 33].

Figure 34



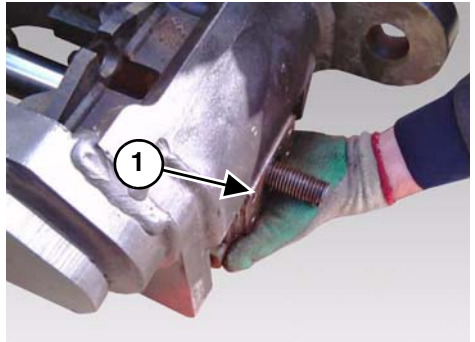
Remove the nut with hole (1) [Figure 34].

Figure 35



Remove the manual cylinder lock nut (1) [Figure 35].

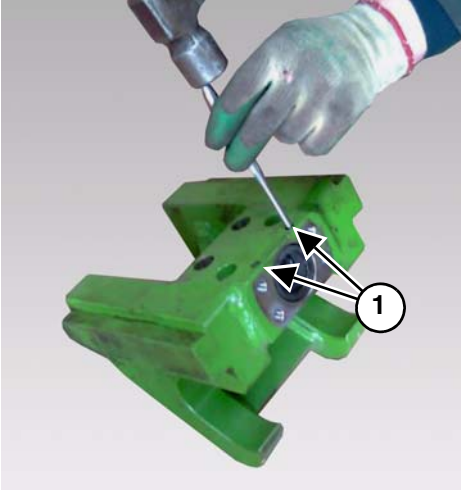
Figure 36



Pull sliding hook out the back of coupler (1) [Figure 36].

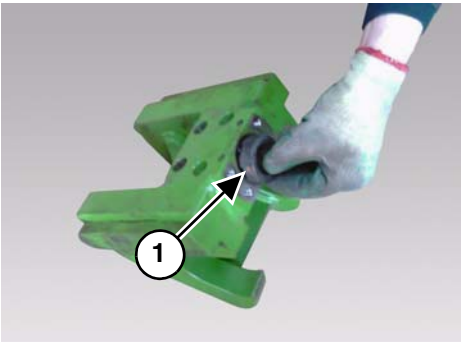
SERVICING

Figure 37



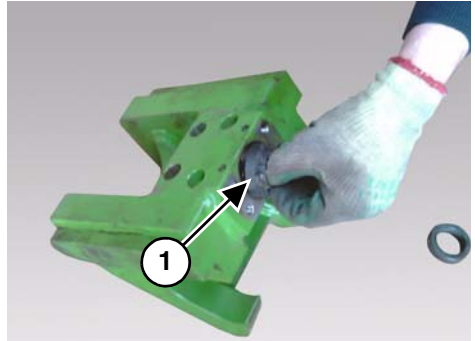
Using a punch tool and hammer, remove the retaining roll pins (1) [Figure 37].

Figure 38



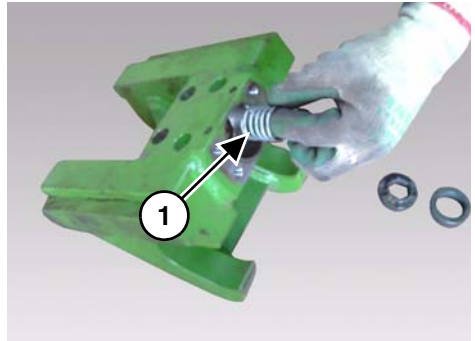
Remove the fixed lock bushing (1) [Figure 38].

Figure 39



Remove the moving lock bushing (1) [Figure 39].

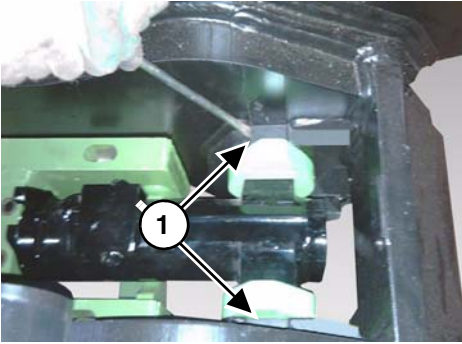
Figure 40



Remove the compression spring (1) [Figure 40].

SERVICING

Figure 41



Using flat head screw driver remove the rubber bungs (1) [Figure 41].

Figure 42



Fully rotate the cylinder (1) [Figure 42] up, then lift and remove cylinder.

NOTE: To assemble parts, repeat steps in reverse.

SPECIFICATIONS

SPECIFICATIONS

EXCAVATOR WEIGHT (TONS)	PIN DIAMETER (MM)	COUPLER MODEL (H) HYDRAULIC (M) MANUAL	MIN - MAX** CENTRES (MM)	BASE WIDTH (MM)	COUPLER WEIGHT*** KG (LBS)
2-4	35/40	QC35-40 H*	130-214	122	35 (77)
3-5	40	QH40 H/M	220-355	150	65 (143)
5-7	45	QC45 H	218-394	144/150	63 (139)
5-7	45	QH45 M	220-395	150	65 (143)
6-9	50	QC50 H	235/375	160/180	72 (159)
6-9	50	QH50 M	234-385	150/180	65 (143)
7-11	55	QC55 H	315-358	160	72 (159)
7-11	55	QH55 H/M	275-316	160/180	82 (180)
11-17	60	QC60 H	280-480	210/250	150 (330)
11-17	60	QH60 M	280-480	168/250	172 (379)
11-17	65	QC65 H	355-430	220/250	171 (379)
11-17	65	QH65 M	355-430	220-250	177 (379)
15-22	70	QH70 H/M	365-490	250/280	186 (410)
16-29	80	QC80 H	385-530	280/300	285 (628)
16-29	80	QC80 M	390-525	280/300	240 (529)
24-35	90	QH90 H/M	380-610	320/325	420 (924)
30-40	100	QH100 H	500-630	370	436 (961)
33-46	110	QH110 H	535-645	390	721 (1589)
45-60	115	QH115 H	608-685	438	721 (1589)
50-65	120	QH120 H	570-635	428/468	1090 (2402)
65-70	130	QC130 H	615-790	487/527	1090 (2402)
70-87	140	QC140 H	667-785	527	1460 (3217)

* Lifting eye is optional.

** Range of centres is for combined coupler models and cannot be achieved by one coupler model.

*** Weight refers to smallest coupler in range.

SPECIFICATIONS



WARRANTY

WARRANTY PROGRAM

The Company warrants the Equipment (except for parts) sold by it to the Purchaser to be:

- Free of defects in material and workmanship for a period of twelve (12) months from the date of shipment or 2000 hours of use, whichever first occurs unless formal documentation can be produced when the product has been put into use. A period of six (6) months shelf life will be accepted on all products. Any product not put into use before the six (6) months stocking and twelve (12) warranty period will forfeit any warranty given on the product. The Geith generic installation/hose assemblies will be covered for a period of six (6) months from the date of shipment (installation kit covered only in Europe).
- The applicable warranty time period for parts shall be six (6) months from the date of shipment and for reconditioned parts or products shall be three (3) months from the date of shipment. At the discretion of the company a longer thirty six (36) month warranty period may be offered to selected customers. This warranty period only covers the frame/chassis of the product and excludes all other components attached to the frame/chassis.
- No warranty will be accepted for wear/damage on products or components thereof.

The Company will provide a new part or repaired part, at its election, in place of any part which is found upon its inspection to be defective in material or workmanship during the periods described above. Such part will be repaired or replaced without charge to the Purchaser providing the warranty cost does not exceed the standard cost which has been set out by the company in the standard cost table (this cost is available upon request). The company will accept maximum warranty costs not exceeding the original sale value.

The replacement or repair must be carried out during normal working hours at the place of business of a distributor of the Company authorised to sell the type of Equipment involved or other establishment authorized by the Company. The purchaser must report failures within a maximum time of 30 days of occurrence and file a warranty claim within a maximum of 30 days thereafter. Warranty claims outside this period of time will forfeit the warranty cover.

WARRANTY

Purchaser must present proof of purchase (and purchase date) at the time of making a claim under this warranty. Warranty claims do not apply to failures occurring as a result of abuse, misuse, negligent repairs, corrosion, erosion, normal wear and tear, alterations or modifications (which includes use of non Geith control systems) made to the Equipment without express written consent of the Company, or failure to follow the recommended operating practices, or service and maintenance procedures as provided in the Equipment's operating and maintenance publications. All maintenance, service and repair work must be completed by an authorized Company distributor or establishment and only genuine Company parts shall be used in such work. Failure to comply strictly with these requirements shall invalidate this warranty. The warranty provided herein does not apply to any components which are not supplied by the company (this includes engines, hydraulic systems, boom, dipper, etc) which are manufactured by others as they are warranted by their respective manufacturers directly to the Purchaser.

THE COMPANY DISCLAIMS AND EXCLUDES ALL OTHER CONDITIONS, WARRANTIES OR REPRESENTATIONS OF ALL KINDS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE (EXCEPT THAT OF TITLE), INCLUDING ALL IMPLIED WARRANTIES AND CONDITIONS RELATING TO MERCHANTABILITY, SATISFACTORY QUALITY AND FITNESS FOR A PARTICULAR PURPOSE. Corrections by the Company of nonconformities whether patent or latent, in the manner and for the period of time provided above shall constitute fulfillment of all liabilities of the Company for such nonconformities, whether based on contract, warranty, tort, negligence, indemnity, strict liability or otherwise with respect to or arising out of such Equipment.

LIMITATION OF LIABILITY

THE REMEDIES OF THE PURCHASER SET FORTH HEREIN ARE EXCLUSIVE AND THE TOTAL LIABILITY OF THE COMPANY WITH RESPECT TO THE CONTRACT OR THE EQUIPMENT AND SERVICES FURNISHED HEREUNDER, IN CONNECTION WITH THE PERFORMANCE OR BREACH THEREOF OR FROM THE MANUFACTURE, SALE, DELIVERY, INSTALLATION, REPAIR OR TECHNICAL DIRECTION COVERED BY OR FURNISHED UNDER THE CONTRACT, WHETHER BASED ON CONTRACT, WARRANTY, TORT, NEGLIGENCE, INDEMNITY, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE OF THE UNIT OF EQUIPMENT UPON WHICH SUCH LIABILITY IS BASED. THE COMPANY AND ITS SUPPLIERS SHALL IN NO EVENT BE LIABLE TO THE PURCHASER, ANY SUCCESSORS IN INTEREST OR ANY BENEFICIARY OR ASSIGNEE OF THE CONTRACT FOR ANY CONSEQUENTIAL INCIDENTAL, INDIRECT,

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SPECIAL OR PUNITIVE DAMAGES ARISING OUT OF THE CONTRACT, OR ANY BREACH HEREOF, OR ANY DEFECT IN, OR FAILURE OF, OR MALFUNCTION OF THE EQUIPMENT SUPPLIED HEREUNDER WHETHER BASED UPON LOSS OF USE, LOST PROFITS, REVENUE OR INTEREST, LOST GOODWILL, WORK STOPPAGE, IMPAIRMENT OF OTHER GOODS, LOSS BY REASON OF SHUTDOWN OR NON-OPERATION, INCREASED EXPENSES OF OPERATION, COST OF PURCHASE OF REPLACEMENT POWER OR CLAIMS OF THE PURCHASER OR CUSTOMERS OF THE PURCHASER FOR SERVICE INTERRUPTION, WHETHER OR NOT SUCH LOSS OR DAMAGE IS BASED ON CONTRACT, WARRANTY, TORT, NEGLIGENCE, INDEMNITY, STRICT LIABILITY OR OTHERWISE.

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The Company shall not be bound by or required to adhere to any term or provision of a purchase order, quotation, bid, letter of credit or like document or any provision of law, regulation or custom, which would cause the Company, its parent or any of its affiliates to be in violation of or fail to comply with the export laws, taxing statutes or regulations of the country wherein the Equipment is manufactured or from which it is exported or is otherwise subject to jurisdiction.

GOVERNING LAW

The rights and obligations of the Purchaser and the Company shall be governed and construed in accordance with the laws of the Republic of Ireland and the Purchaser submits to the exclusive jurisdiction of the Irish Courts.

MODIFICATIONS, SEVERABILITY AND ENTIRE AGREEMENT

The Company shall not be bound by any amendment or any modification to the Contract until approved in writing by an officer of the Company. The Contract when so approved, shall supersede all previous communications, either oral or written. If any clause of the Contract is held by any competent authority to be invalid or unenforceable in whole or in part, the other clauses of the Contract and the remainder of the clause in question shall not be affected thereby.

TA detailed description of terms and conditions of sale can be found on **QR39 Geith terms and conditions of sale** which was attached to your order acknowledgement. If you do not have a copy you can contact your nearest Geith Distributor.

WARRANTY





THE PERFECT FIT



SAFETY
BY DESIGN

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