# WALLENSTEHN 

## BACKHOES MODELS GX600 / GX700 / GX900



OPERATING INSTRUCTIONS AND PARTS MANUAL

## Warranty

This product is warranted to be free of defects in materials and workmanship under normal use and service, for a period of one year from the date of purchase, when operated and maintained in accordance with the Operating and Maintenance Instructions supplied with this unit. This warranty does not cover misuse or negligence.

Under no circumstances will the manufacturer be liable for any consequential damage or expense of any kind, including loss of profits. The manufacturer is under no circumstances liable for tractor damage of any kind. The manufacturer is not liable for the maintenance of the product.

This warranty is extended only to the original purchaser. Warranty is void if repairs are attempted by anyone other than an Authorized Service Centre.

If a difficulty develops with the product, you should contact your nearest Authorized Repair Centre, or distributor. Only these locations are authorized to make repairs to the product or affect the replacement of defective parts, which will be done at no charge within a reasonable time after the receipt of the product. Units or parts should be returned at the customer's expense to the nearest repair location or Authorized Service Centre. Pack unit in a strong carton and pad tightly to avoid damage. Damage in-transit is not covered by warranty. Include original purchase receipt with any claim (keeping a copy for your files).

The distributor's liability under warranty is limited to repair of the product and/or replacement of parts and is given to the purchaser in lieu of all other remedies including incidental and consequential charges. There are no warranties, expressed or implied other than those specified herein.

For the nearest Authorized Service Centre call: EMB MFG INC.
4144 BOOMER LINE
ST. CLEMENTS, ON
NOB 2MO
PHONE: 519-699-9283 FAX 519-699-4146
www.embmfg.com email: sales@embmfg.com

## Valuable information for your records.

Date of Purchase: $\qquad$
Selling Dealer: $\qquad$

Backhoe Model: $\qquad$
Backhoe Serial Number:

## CAUTION! <br> A CAREFUL OPERATOR IS THE BEST OPERATOR

## Most accidents can be prevented by becoming familiar with all controls before operating the backhoe, keeping in mind the safety precautions stated below, and working safely.

- Read Operator's Manual before operation.
- Enter and exit operator's platform from between stabilizers and tires only.
- Operate backhoe from operator's seat only and be sure the seat is firmly locked into position. Always keep your feet on the foot rest area.
- Backhoe digging forces can lift and turn tractor over. For maximum stability, set stabilizers to remove weight from rear tractor tires without lifting them off the ground. Always lower both stabilizers to avoid risk of overturning. Sufficient counterweight or a front end loader might be required in some applications to improve stability. See your dealer for more information.
- Check all hoses and fittings for damage or leaks before operating the backhoe.
- All levers must be in the neutral position when starting your tractor.
- Before operating the backhoe, look for obstructions in the line of movement. Stay clear from low overhead electrical wires when the backhoe is in the upper position. Verify the ground's conditions before digging and ensure digging area is free from underground cables and pipes. Keep people and animals at a safe distance while operating the backhoe and never let anyone into the bucket or onto the backhoe when driving tractor. Never leave an unattended tractor running.
- Never move tractor while operating backhoe.
- Do not use backhoe without front end loader attached.
- To avoid handling stability problems, never exceed the maximum capacity of your backhoe.
- Never use your backhoe as a battering ram (swinging left to right) to push earth. This could affect the good working condition of your backhoe.
- Never operate the tractor's three point hitch if the backhoe is connected to it.
- Keep the valve and lever setting clear from any obstructions. Never remove the safety guards on the stabilizers, cylinders, or the relief valve covering box. Keep all guards in place.
- Do not repair or service backhoe unless it is mounted on tractor and securely supported. Loss of oil or removal of parts could cause backhoe to collapse.


## (Safety Instructions continued)

- When attaching or detaching, always stand on the tractor side of the stabilizer outside of rear wheel. Swing lock pin must be in center lock position before detaching backhoe from tractor.
- Before transport, attach SLOW MOVING VEHICLE sign and engage swing and boom lock. When the backhoe is in either the parked position or in transportation, make sure the locking pins are securely in place.
- A minimum of $25 \%$ of tractor weight must be on the front tractor wheels with backhoe in transport position.


## WALLENSTEIN

## BACKHOES

## STANDARD FEATURES

- Optimum performance with 5-7 gpm hydraulic system
- Dual-cylinder swing provides maximum power where it is needed
- All pivot points have grease fittings for easy maintenance
- Full width replaceable bronze bushings on all wearable pivot points
- Optional PTO hydraulic pump kit available (PTO70)
- Replaceable bucket teeth
- Continuous steel formed bucket with wear plates
- Transport and boom rotation lock
- Bucket available in $9^{\prime \prime}, 12^{\prime \prime}, 15^{\prime \prime}, 18^{\prime \prime}$

All specifications subject to change without notice.


| Product Specifications | GX600 | GX700 | GX900 |
| :---: | :---: | :---: | :---: |
| A Transport Height (with boom fully retracted) | $61 "$ | $65 "$ | 84" |
| Transport Width (with stabilizers up) | 52" | 54" | 54" |
| B Ground Clearance | 8 " | 12" | 12" |
| C Transport Length | 67" | 72" | 84" |
| Transport Weight | 625 lbs . | 900 lbs . | 1200 lbs. |
| D Digging Depth (2 ft. flat bottom) | 6 ft . | 7 ft . | 9 ft . |
| E Overall Operating Height (fully raised) | 7 ft . | $81 / 2 \mathrm{ft}$. | $131 / 2 \mathrm{ft}$. |
| F Reach from Swing Post | 9 ft . | 10 ft . | 12 ft . |
| G Bucket Rotation | 180 degrees | 180 degrees | 180 degrees |
| Swing Arc | 180 degrees | 180 degrees | 180 degrees |
| Stabilizer Spread Operating Position | 90 in. | 8 ft . | 8 ft . |
| System Relief Valve Setting | 2000 psi | 2250 psi | 2250 psi |
| Dipper Boom Digging Force | 1180 lbs. | 1300 lbs . | 2600 lbs. |
| Bucket Digging Force | 1950 lbs. | 2600 lbs. | 4100 lbs . |
| Boom Lift Capacity | Appr. 400 lbs. | Appr. 800 lbs | Appr. 1200 lbs. |
| Hydraulic Volume Requirements | 5-7 gpm | $5-7 \mathrm{gpm}$ | $5-7 \mathrm{gpm}$ |
| Recommended Tractor HP | 18-30 HP | 22-45 HP | 45-100 HP |
| Recommended Skidsteer Requirements (SSQT) | n/a | 30-60 | 45-100 |
| Bucket Sizes Available | 9",12",15" | 9",12",15",18",2 | 9",12",15",18",24 |
| 3 Point Hitch (PT300) | Category 1 | Category 1 | Category 1 |
| Main boom Cylinder Diameter | $21 / 2^{\prime \prime}$ | $21 / 2$ " | 3 " |
| All other Cylinder Diameters | 2 " | $21 / 2^{\prime \prime}$ | $21 / 2$ " |

## Starting Operation

Back up tractor close to backhoe, then plug the two hoses from the backhoe into the tractor auxillery outlets. With the stabilizers, lift the backhoe to the right height (12" ground clearance. Raise tractor lift arms to correct height. Insert pins. Never attempt to raise three point hitch while backhoe is on tractor- damage to tractor or backhoe could occur.

## Disconnecting Procedure

When disconnecting the backhoe from the tractor, lower stabilizers and lift backhoe until pins slide out easily. Remove pins and move tractor ahead a few inches, lowering the backhoe to the ground by lifting the stabilizers. Disconnect all hydraulic lines from the tractor. Always store your backhoe on a flat and solid surface in a dry location. Be sure to have the bucket attached to the backhoe prior to storage to avoid a stability problem when re-attaching the backhoe.

## Maintenance

Grease all lubrication points with a grease gun daily. See tractor manual for hydraulic oil/filter change recommendations. Check daily for oil leaks, tighten if necessary. Check daily for loose or missing pins and bolts, replace or tighten if necessary.

## Initial Setup

When using a tractor with the backhoe for the first time, the 3 point hitch rigid link may need to be adjusted so the backhoe operators platform sits level. Set up 3 point hitch mounting kit as shown in the photograph below. The backhoe should have approximately 12 " of ground clearance (less on GX-600 on smaller tractors).



PTO pump kit consists of PTO pump, reservoir assembly complete with filter, suction hose, and required fittings.

1. Install reservoir on backhoe frame. Reservoir slides on top of existing frame. Holes may drilled in upper lip and bolted to ensure stability.
2. Route and connect suction hose from reservoir (A- DIAGRAM 3) to pump through hole with other hoses in main backhoe frame. [DIAGRAM 2]
3. Connect inlet hose at valve to pressure port on pump. Connect return line from valve to fitting on bottom of reservoir on filter head. [B-DIAGRAM 3]
4. Install oil as required. Approximate system capacity is 5 gallons. Dual purpose hydraulic/ transmission oil is recommended.
5. Attach pump to tractor PTO. Fasten pump to tractor drawbar with chain.


DIAGRAM 1


DIAGRAM 2

| Wallenstein Models GX600, GX700 \& GX900 Backhoes |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | GX600 | GX700 | GX900 |
| Position | Description | $\frac{\text { Quan- }}{\text { tity }}$ | $\frac{\text { Part Num- }}{\text { ber }}$ | $\frac{\text { Part Num- }}{\text { ber }}$ | $\frac{\text { Part Num- }}{\text { ber }}$ |
| 1 | Bucket teeth | 3 or 4 | BKT40 | BKT40 | BKT40 |
| 2 | buckets -9" bucket |  | BK690 | BK900 | BK900 |
|  | - 12" bucket |  | BK612 | BK120 | BK120 |
|  | - 15" bucket |  | BK615 | BK150 | BK150 |
|  | - 18" bucket |  | BK618 | BK180 | BK180 |
|  | - 24" bucket |  | N/A | BK240 | BK240 |
| 3 | pin, bucket bracket | 1 | B13011 | B13011 | B13011 |
| 4 | pin, main bucket | 1 | B13011 | B13011 | B13011 |
| 5 | bucket to cylinder bracket | 1 | B13012 | B13012 | B13012 |
| 6 | bucket bracket- cylinder to boom | 1 | B13013 | B13013 | B13013 |
| 7 | pin,bucket cylinder-shaft end | 1 | B13011 | B13011 | B13011 |
| 8 | pin, bucket bracket to boom | 1 | B13011 | B13011 | B13011 |
| 9 | dipper boom | 1 | B13103 | B13014 | B13015 |
| 10 | bucket cylinder | 1 | B13104 | B13016 | B13016 |
| 11 | hose, bucket cylinder- shaft end | 1 | B13105 | B13017 | B13018 |
| 12 | hose, bucket cylinder- butt end | 1 | B13123 | B13019 | B13020 |
| 13 | pin, bucket cylinder- butt end | 1 | B13021 | B13021 | B13021 |
| 14 | pin, dipper boom main pivot | 1 | B13022 | B13022 | B13022 |
| 15 | pin, dipper cylinder- shaft end | 1 | B13021 | B13021 | B13021 |
| 16 | dipper cylinder | 1 | B13106 | B13023 | B13057 |
| 17 | hose, dipper cylinder- shaft end | 1 | B13107 | B13019 | B13025 |
| 18 | hose, dipper cylinder- butt end | 1 | B13108 | B13026 | B13027 |
| 19 | pin, dipper cylinder- butt end | 1 | B13085 | B13085 | B13085 |
| 20 | main boom | 1 | B13109 | B13028 | B13029 |
| 21 | cylinder, main boom | 1 | B13110 | B13030 | B13031 |
| 22 | hose, boom cylinder- shaft end | 1 | B13111 | B13032 | B13032 |
| 23 | hose, boom cylinder- butt end | 1 | B13111 | B13032 | B13032 |
| 24 | pin, boom cylinder-shaft end | 1 | B13085 | B13085 | B13085 |
| 25 | pin, boom cylinder- butt end | 1 | B13060 | B13060 | B13060 |
| 26 | pin, main boom | 1 | B13022 | B13022 | B13022 |
| 27 | pin, pivot swing, top and bottom | 2 | B13037 | B13037 | B13037 |
| 28 | cylinder, right swing (sitting on seat) | 1 | B13113 | B13038 | B13038 |
| 29 | cylinder, left swing (sitting on seat) | 1 | B13114 | B13039 | B13039 |
| 30 | pin, swing cylinder- shaft end | 2 | B13040 | B13040 | B13040 |
| 31 | hose, swing cylinder- butt end | 2 | B13115 | B13041 | B13041 |
| 32 | hose, swing cylinder- shaft end | 2 | B13116 | B13042 | B13042 |
| 33 | cylinder, right stabilizer | 1 | B13117 | B13043 | B13043 |
| 34 | cylinder, left stabilizer | 1 | B13118 | B13044 | B13044 |
| 35 | pin, stabilizer cylinder-shaft end | 2 | B13040 | B13040 | B13040 |
| 36 | pin, stabilizer cylinder-butt end | 2 | B13051 | B13046 | B13046 |
| 37 | hose, stablizer cylinder- shaft end | 2 | B13119 | B13047 | B13047 |
| 38 | hose, stablizer cylinder- butt end | 2 | B13120 | B13048 | B13048 |
| 39 | stabilizer shoe | 2 | B13122 | B13049 | B13049 |
| 40 | pin, stabilizer shoe pin | 2 | B13125 | B13050 | B13050 |
| 41 | pin, main stabilizer pin | 2 | B13051 | B13046 | B13046 |
| 42 | seat mounting kit | 1 | B13052 | B13052 | B13052 |
| 43 | seat | 1 | B13053 | B13053 | B13053 |
| 44 | valve cover | 1 | B13054 | B13054 | B13054 |
| 45 | control valve | 1 | B13055 | B13055 | B13055 |
| 46 | stabilizer | 2 | B13121 | B13056 | B13056 |
|  | boom \& swivel lockout pins | 2 | B13058 | B13058 | B13058 |

Parts List Diagram


## Cylinder Breakdown



| Cylinder Parts List |  |  |  |
| :---: | :--- | :---: | :---: |
| Position | Description | Quantity |  |
| 1 | cylinder barrel | 1 |  |
| 2 | changeable bushing | 2 |  |
| 3 | cylinder rod | 1 |  |
| 4 | changeable bushing | 2 |  |
| 5 | cylinder gland | 1 |  |
| 6 | wiper seal (order seal kit) | 1 |  |
| 7 | U-cup seal (order seal kit) | 1 |  |
| 8 | back-up seal (order seal kit) | 1 |  |
| 9 | O-ring (order seal kit) | 1 |  |
| 10 | bearing seal (order seal kit) | 1 |  |
| 11 | U-cup seal (order seal kit) | 1 |  |
| 12 | Piston+ | 1 |  |
| 13 | shaft nut | 1 |  |
| seal kit for 2" cylinder |  |  |  |
| seal kit for 2 1/2" cylinder |  |  |  |
| PART NUMBERS FOR INDIVIDUAL CYLINDERS ON FOLLOWING |  |  |  |
| PAGE. | seal kit for 3" cylinder |  |  |
|  |  |  |  |
| Cylinder Diameters |  |  |  |
| GX600-- Main boom cylinder- 2 1/2", all other cylinders 2" diameter |  |  |  |
| GX700-- All cylinders are 2 1/2" in diameter |  |  |  |
| GX900-- Main boom cylinder- 3", all other cylinders 2 1/2" diameter |  |  |  |

CYLINDER PARTS LIST

| GX600 CYLINDER PARTS LIST |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DESCRIPTION | $\frac{\text { COMPLETE CYL }}{\text { PART \# }}$ | $\frac{\text { BARREL }}{[1]}$ | CYLINDER ROD | $\frac{\text { CYL. } \mathrm{GLAND}}{[5]}$ | $\frac{\text { PISTON }}{[12]}$ | $\frac{\text { SHAFT NUT }}{[13]}$ | SEAL KIT | $\frac{\text { BUTT END BUSH- }}{\text { INGS }[2]}$ | $\frac{\text { ROD END BUSH- }}{\text { INGS [4] }}$ |
| MAIN BOOM CYL $21 / 2^{\prime \prime}$ | B13110 | ORDER COMPLETE CYL | B13421 | B13422 | B13423 | B13424 | B13415 | B13313 [1] | B13314[2] |
| DIPPER CYL. ${ }^{\prime \prime}$ | B13106 | ORDER COMPLETE CYL | B13425 | B13426 | B13427 | B13424 | B13414 | B13314 [2] | B13314 [2] |
| BUCKET CYL. $2^{\prime \prime}$ | B13104 | ORDER COMPLETE CYL | B13428 | B13426 | B13427 | B13424 | B13414 | B13314 [2] | B13313 [1] |
| SWING CYL RH ${ }^{\prime \prime}$ | B13113 | ORDER COMPLETE CYL | B13429 | B13426 | B13427 | B13424 | B13414 | B13311 [2] (PIVOT) | B13312 [2] |
| SWING CYL LH ${ }^{\text {2" }}$ | B13114 | ORDER COMPLETE CYL | B13429 | B13426 | B13427 | B13424 | B13414 | B13311 [2] (PIVOT) | B13312 [2] |
| STABILIZER CYL. RH ${ }^{\text {2" }}$ | B13117 | ORDER COMPLETE CYL | B13430 | B13426 | B13427 | B13424 | B13414 | N/R | N/R |
| STABILIZER CYL. LH ${ }^{\text {2" }}$ | B13118 | ORDER COMPLETE CYL | B13430 | B13426 | B13427 | B13424 | B13414 | N/R | N/R |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| GX700 CYLINDER PARTS LIST |  |  |  |  |  |  |  |  |  |
| DESCRIPTION | $\frac{\text { COMPLETE CYL }}{\text { PART \# }}$ | $\frac{\text { BARREL }}{[1]}$ | $\frac{\text { CYLINDER ROD }}{\text { [3] }}$ | $\frac{\text { CYL. GLAND }}{\text { [5] }}$ | $\frac{\mathrm{ISTON}}{[12]}$ | $\frac{\text { SHAFT NUT }}{[13]}$ | SEAL KIT | $\frac{\text { BUTT END BUSH- }}{\text { INGS }}$ | $\frac{\text { ROD END BUSH- }}{\text { INGS [4] }}$ |
| MAIN BOOM CYL $21 / 2^{\prime \prime}$ | B13030 | ORDER COMPLETE CYL | B13431 | B13422 | ${ }^{\text {B13423 }}$ | B13424 | B13415 | B13313 [1] | B13314[2] |
| DIPPER CYL. $\quad 21 / 2^{\prime \prime}$ | B13023 | ORDER COMPLETE CYL | B13432 | B13422 | B13423 | B13424 | B13415 | B13314 [2] | B13314[2] |
| BUCKET CYL. $21 / 2^{\prime \prime}$ | B13016 | ORDER COMPLETE CYL | B13433 | B13422 | B13423 | B13424 | B13415 | B13314 [2] | B13313 [1] |
| SWING CYL RH $21 / 2^{\prime \prime}$ | B13038 | ORDER COMPLETE CYL | B13434 | B13422 | B13423 | B13424 | B13415 | B13311 [2] (PIVOT) | B13312 [2] |
| SWING CYL LH $21 / 2^{\prime \prime}$ | B13039 | ORDER COMPLETE CYL | B13434 | B13422 | B13423 | B13424 | B13415 | B13311 [2] (PIVOT) | B13312 [2] |
| STABILIZER CYL. RH $21 / 2^{\prime \prime}$ | B13043 | ORDER COMPLETE CYL | B13436 | B13422 | B13423 | B13424 | B13415 | N/R | N/R |
| STABILIZER CYL. LH $21 / 2^{\prime \prime}$ | B13044 | ORDER COMPLETE CYL | B13436 | B13422 | B13423 | B13424 | B13415 | N/R | N/R |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| GX900 CYLINDER PARTS LIST |  |  |  |  |  |  |  |  |  |
| DESCRIPTION | $\frac{\text { COMPLETE CYL }}{\text { PART \# }}$ | BARREL | $\frac{\text { CYLINDER ROD }}{[3]}$ | $\begin{aligned} & \text { CYL. GLAND } \\ & {[5]} \end{aligned}$ | $\frac{\text { PISTON }}{[12]}$ | $\frac{\text { SHAFT NUT }}{[13]}$ | SEAL KIT | $\frac{\text { BUTT END BUSH- }}{\text { INGS }}$ | $\frac{\text { ROD END BUSH- }}{\text { INGS [4] }}$ |
| MAIN BOOM CYL $3^{\prime \prime}$ | B13031 | ORDER COMPLETE CYL | B13438 | B13440 | ${ }^{\text {B13441 }}$ | B13424 | B13416 | B13313 [1] | B13314[2] |
| DIPPER CYL. $\quad 21 / 2^{\prime \prime}$ | B13057 | ORDER COMPLETE CYL | B13439 | B13422 | B13423 | B13424 | B13415 | B13314 [2] | B13314 [2] |
| BUCKET CYL. $21 / 2^{\prime \prime}$ | B13016 | ORDER COMPLETE CYL | B13433 | B13422 | B13423 | B13424 | B13415 | B13314 [2] | B13313 [1] |
| SWING CYL RH $21 / 2^{\prime \prime}$ | B13038 | ORDER COMPLETE CYL | B13434 | B13422 | B13423 | B13424 | B13415 | B13311 [2] (PIVOT) | B13312 [2] |
| SWING CYL LH $21 / 2^{\prime \prime}$ | B13039 | ORDER COMPLETE CYL | B13434 | B13422 | B13423 | B13424 | B13415 | B13311 [2] (PIVOT) | B13312 [2] |
| STABILIZER CYL. RH $21 / 2^{\prime \prime}$ | B13043 | ORDER COMPLETE CYL | B13436 | B13422 | B13423 | B13424 | B13415 | N/R | N/R |
| STABILIZER CYL. LH $21 / 2^{\prime \prime}$ | B13044 | ORDER COMPLETE CYL | B13436 | B13422 | B13423 | B13424 | B13415 | N/R | N/R |



|  |  |  |  | Valve Breakdown Diagram |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | REPAIR KITS |  | Position | Description | Quantity | Part Number |
| 33 | joystick kit | B13211 | 1 | BSP plug 1/2" | 2 | B13220 |
|  | valve seal kit (12 spool O-rings \& 2 gaskets (\#28) | B13219 | 2 | O-ring | 12 | B13233 |
| 34 | Lever block kit (stabilizer spools) | B13213 | 3 | V08 kit | 6 | B13237 |
| 35 | end cap kit (spool centering) | B13218 | 4 | cap | 6 | B13238 |
|  |  |  | 5 | M5 x 14 cap screw | 6 | B13240 |
|  |  |  | 6 | VR5 kit | 1 | B13241 |
|  | VALVE SPOOLS |  | 7 | working section SD5/6 | 1 | N/A |
| 9 | valve spool (all spools except main boom) | B13217 | 8 | main relieve (2250 PSI) | 1 | B13216 |
| 9 | Metering/load check combo spool (main boom spool-needs load check) | B13223 | 9 | spool SD5 | 1 | (see left) |
|  |  |  | 10 | nut-- M8-P1.25 | 1 | B13236 |
| 31 | Closed centre plug | B13221 | 11 | complete lever base (stabilizer spools) | 2 | B13213 |
|  | Power beyond plug | B13222 | 12 | hex socket cap screw M5-P $0.8 \times 35$ | 6 | B13242 |
|  | Relief valve replacement (solid plug) | B13239 | 13 | lever- M8 $\times 125$ (stabilizer) | 2 | B13214 |
|  | (for use with closed center system only | e applications) | 14 | jam nut M8- P1.25 | 2 | B13234 |
|  |  |  | 15 | rod end with stud | 4 | B13228 |
| Backho | alve is normally shipped set up for open |  | 16 | rubber boot for joystick | 2 | B13212 |
| center h | raulic system. When using backhoe with |  | 17 | hex socket cap screw M6- P1.0x25 | 8 | B13243 |
| closed | ter system, AET SD5 plug (\#31 in diagram |  | 18 | jam nut M12- P1.75 | 2 | B13235 |
| must be | placed with closed center plug. |  | 19 | lever- M12 x 250 | 2 | B13215 |
|  |  |  | 20 | 1/4" lock washer | 8 | B13244 |
|  |  |  | 21 | lever holder | 2 | B13229 |
|  |  |  | 22 | nut-- M6- P1.0 | 2 | B13245 |
|  |  |  | 23 | rod end | 2 | B13226 |
|  |  |  | 24 | rod end guide | 2 | B13227 |
|  |  |  | 25 | flat head socket screw M5- P0.8x14 | 4 | B13246 |
|  |  |  | 26 | attachment block | 2 | B13224 |
|  |  |  | 27 | attachment plate | 2 | B13232 |
|  |  |  | 28 | gasket | 2 | B13231 |
|  |  |  | 29 | hex socket cap screw M5-p $0.8 \times 354$ | 4 | B13247 |
|  |  |  | 30 | disk lock | 4 | B13248 |
|  |  |  | 31 | AET SDG plug | 1 | (see left) |
|  |  |  | 32 | snare | 2 | B13210 |
|  |  |  |  | Complete valve | 1 | B13055 |

13

## Locations of Grease Fittings

Grease machine daily to ensure longevity of your backhoe.


## CLOSED CENTRE PLUG INSTALLATION

THE CLOSED CENTRE PLUG IS FOR INSTALLATION IN THE BACKHOE VALVE ON UNITS WHICH WILL BE USED ON TRACTORS WITH A CLOSED CENTRE HYDRAULIC SYSTEM.

NOTE: THE OPTIONAL PTO PUMP (PTO70) IS AN OPEN CENTRE SYSTEM AND DOES NOT REQUIRE THE CLOSED CENTRE PLUG.


CLOSED CENTER PLUG INSTALLATION:
TO CONVERT BACKHOE VALVE FOR CLOSED CENTRE OPERATION REMOVE PLUG A, AND INSTALL CLOSED CENTER PLUG WITH LONG SHOULDER.

