STENHØJ

T61540

OPERATION AND MAINTENANCE INSTRUCTIONS

FOR

2-POST MULTIFLEX LIFT (USA)
(Flutec)

STENHØJ AUTOLIFT A/S
DK-7150 Barrit
☎ + 45 76 821330, telefax + 45 76 821331
E-mail: autolift@stenhoj.dk / www.stenhoj.dk

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NOTICE: READ THIS MANUAL THOROUGHLY BEFORE INSTALLING, OPERATING AND MAINTAINING THE LIFT.

MAINTENANCE TO BE PERFORMED BY OWNER/EMPLOYER OR TRAINED LIFT SERVICE PERSONNEL ONLY.

CONTENTS

OPERATON AND MAINTENANCE INSTRUCTIONS FOR STENHØJ TWIN-POST MULTIFLEX HIGH-PRESSURE LIFT

During the construction of the STENHØJ MULTIFLEX lift we have tried to meet all the demands which modern workshops make to a quick and 100% safe and reliable lift for repair of trucks and buses.

All safety regulations required by Europeans authorities are fulfilled. During lifting all vital parts of the undercarriage are free and therefore the all-purpose lift is the most suitable lift for repair of trucks and buses.

DESCRIPTION

STENHØJ Multiflex lift is a twin-post high-pressure lift with one fixed and one movable post mounted under floor level. The design ensures the mechanic's security during work, allowing at the same time best possible working position.

The lifting supports are of a completely new type, which allows the use of the same basis support on the front and the rear posts. With the lift we deliver 2 extra sets of adjustable adaptors, both for the front, movable post to fit the front axle of the vehicle and for the rear, fixed post to fit the rear axle.

A roller shutter covers the pit. As the movable cylinder is displaced the roller shutter is pulled out of the pit on one side and pushed down into the pit on the other side of the movable cylinder carriage. Thus the pit is always automatically closed independently of the position of the movable cylinder (see drawing page 15).

The cover plates are at floor level, so that auxiliary equipment or tool trolleys can be easily moved under the lifted vehicle.

The oil motor in the pump units synchronize the lifting and lowering movements as the motors supply oil flow to and from the cylinders independently of the load distribution on the cylinders.

As a safety feature the lift is equipped with safety legs, which are hard chrome plated like the pistons.

The Multiflex lift is operated by means of pushbuttons from a remote control panel, which can e.g. hang down from the ceiling in a convenient place, where the operator has full view of both cylinders. All the functions of the lift are controlled from this panel.

Two compact oil pump units equipped with highly effective oil motors, direct coupled to flanged motors are the reliable power source of the lift.

Oil consumption amounts to 20-25 liters hydraulic oil and 20 l lubricating oil. The high-pressure cylinders are ground to a finish of only 0.8 micron, which gives the special high pressure seals a very long life time.

TECHNICAL SPECIFICATIONS

Load per post		max. 33000 lbs
	alternative	max. 27500 lbs
Lifting height		max. 1750 mm
Lifting speed		0.04 m/sec
Lowering speed		0.05 m/sec
Operating voltage		3 x 230 V, 60 Hz
Control voltage		24 V AC (24 V RAC)
Power consumption		max. 31 Amp.
Input		max. 8 HP
Hydraulic pressure		3000 psi
Excess pressure valve set at		3400 psi

SAFETY REGULATIONS

The general and specific safety regulations of the workshop must be kept.

IMPORTANT SAFETY INSTRUCTIONS

When using your garage equipment basic safety precautions should always be followed, including the following:

1. Read all instructions

2. Care must be taken as burns can occur from touching hot parts.

3. Do not operate equipment with a damaged cord or if the equipment has been dropped or damaged, until it has been examined by a qualified serviceman.

4. Do not let cord or hoses come in contact with hot manifolds or moving fan blades.

5. If an extension cord is necessary, a cord with a current rating equal to or more than that of the equipment should be used. Cords rated for less current than the equipment may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.

6. Always unplug equipment from electrical outlet when not in use. Never use the cord to pull the plug from the outlet. Grasp plug and pull to disconnect.

7. To reduce the risk of fire, do not operate equipment in the vicinity of open containers of flammable liquids (gasoline).
   WARNING: Risk of explosion: This equipment has internal arcing and sparking parts, which should not be exposed to flammable vapours. This equipment is only suitable for installation in a garage having sufficient air circulation to be considered a non-hazardous location.

8. Adequate ventilation should be provided when working on operating internal combustion engines.

9. Keep hair, loose clothing, fingers and all parts of body away from moving parts.

10. To reduce the risk of electric shock do not use on wet surfaces or expose to rain.

11. Use only as described in this manual. Use only manufacturer's recommended attachments.

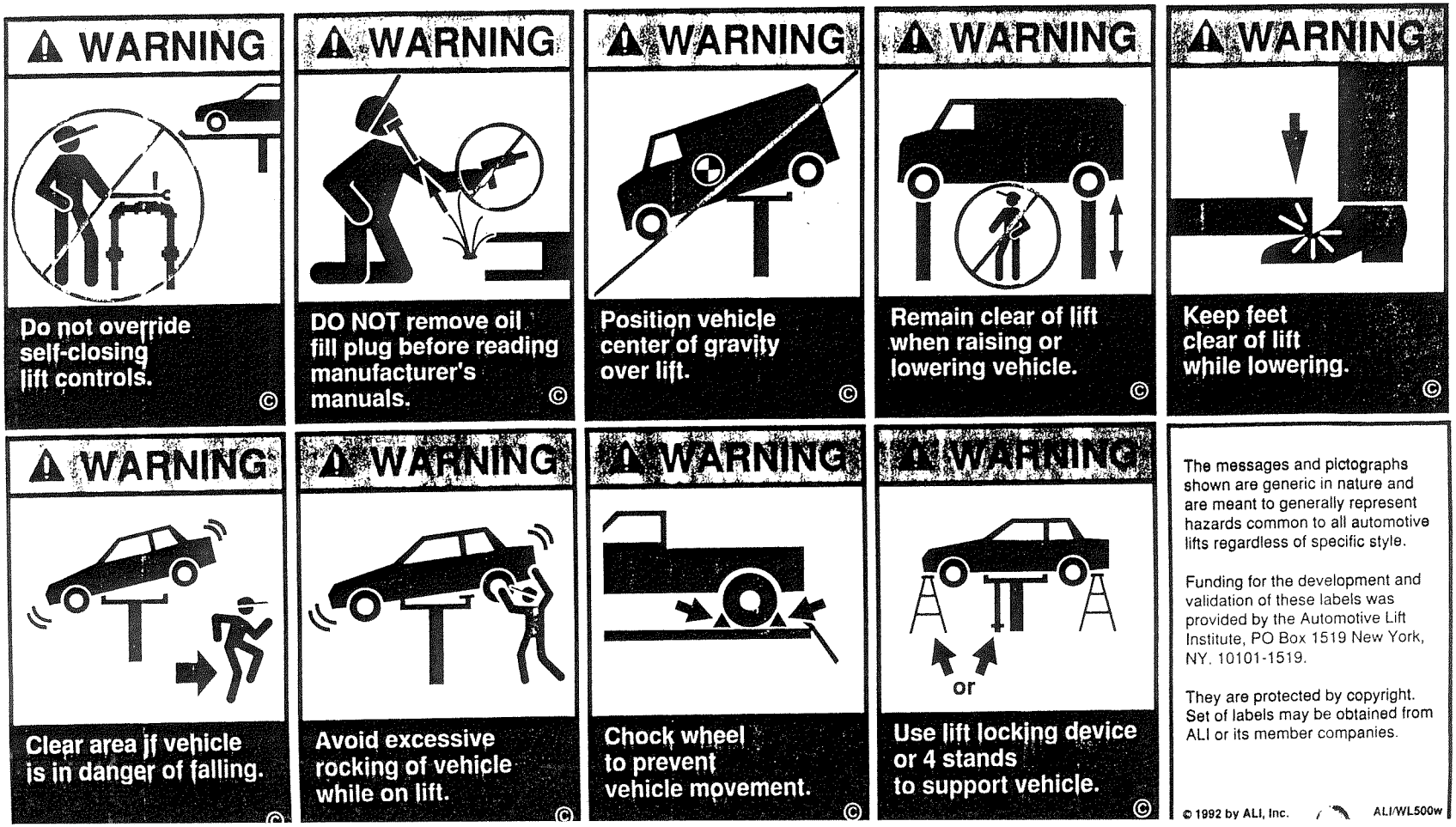
12. ALWAYS WEAR SAFETY GLASSES. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.

SAVE THESE INSTRUCTIONS

SAFETY WARNING LABELS FOR INGROUND LIFTS

Lift Owner/User Responsibilities:

A. This Safety Warning placard **SHALL** be displayed in a conspicuous location in the lift area.
B. Use one of the mounting arrangements illustrated on back of this placard.
C. These Safety Warning labels supplement other documents supplied with the lift.
D. Be certain all lift operators read and understand these labels, operating instructions and other safety related information supplied with the lift.



The messages and pictographs shown are generic in nature and are meant to generally represent hazards common to all automotive lifts regardless of specific style.

Funding for the development and validation of these labels was provided by the Automotive Lift Institute, PO Box 1519 New York, NY. 10101-1519.

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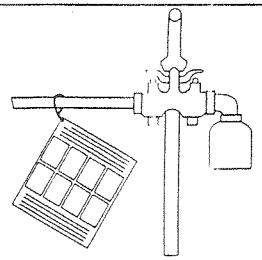
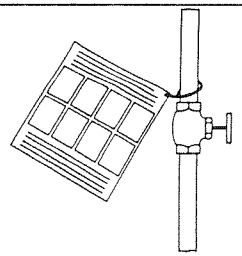
ALI/WL500w

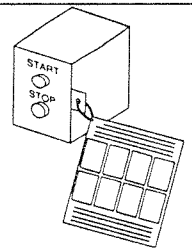
TYPICAL PLACARD LOCATIONS



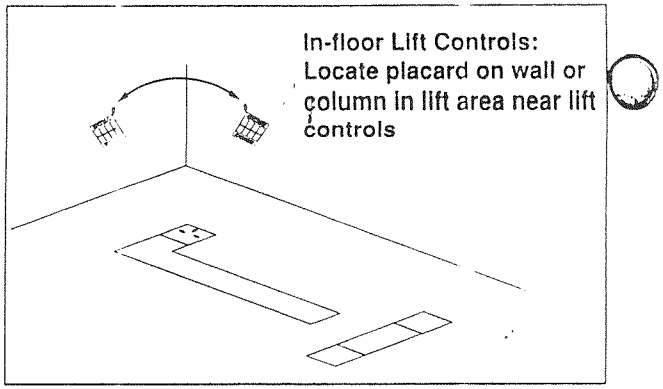
Wall Mounted Lift Control



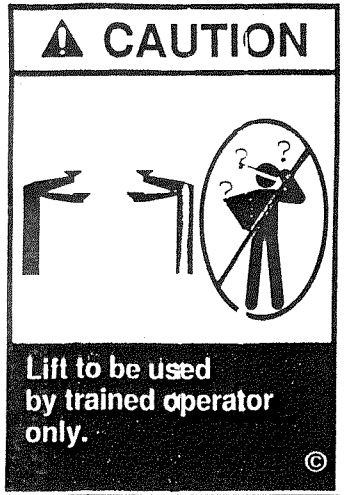
Air Supply To Lift

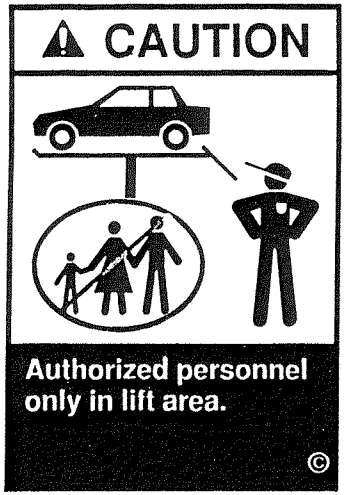


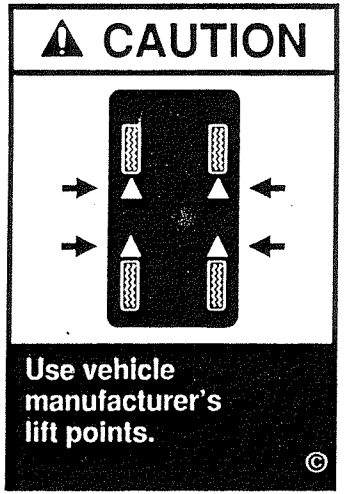
Push Button Controls on Electric Powered Lifts

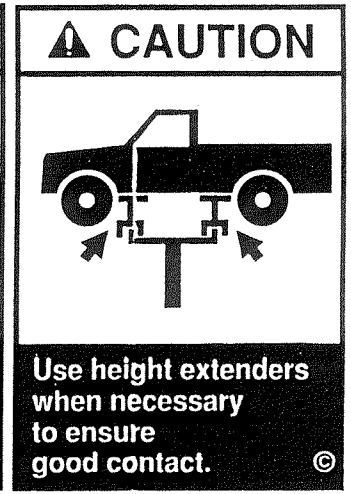


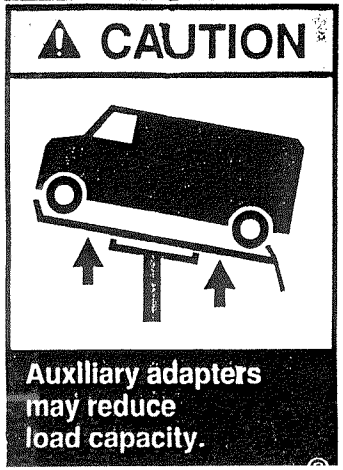
In-floor Lift Controls: Locate placard on wall or column in lift area near lift controls

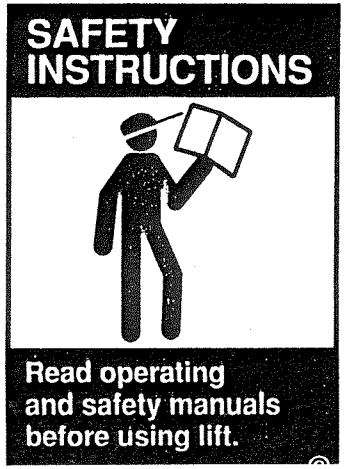


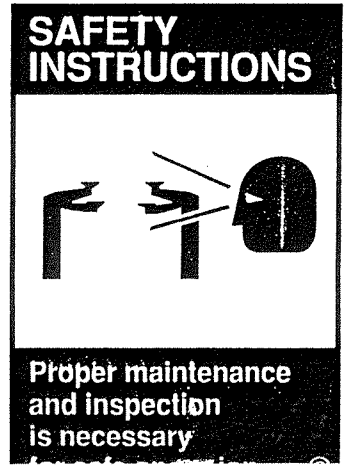












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INSTALLATION

In order that the Multiflex lift may live up to your expectations both now and in the future it should be installed in strict accordance with the installation and maintenance instructions provided.

Contact your dealer for the name and address of the nearest authorized Stenhøj service shop.

INSTALLERS INSTRUCTIONS

1. Check that contractor/building firm has made the pit according to the respective drawing and that recommended distances are kept (see dimension sketch on page 18).

2. Mount the all-purpose lift in accordance with the original Stenhøj instructions, which are provided with the lift.

3. Check that the Labour Inspection authorities' regulations for the installation are observed, e.g.:

   a. Distances from lift to walls, doors and other fixed objects according to sketch on page 15.
   b. Provide sufficient lighting of the working area.
   c. Check that the necessary decals are placed on the lift:
      - Decal with the text:
        MAX 2 x 27500 lbst
        MAX 2 x 33000 lbs
      - Operation and maintenance instructions
      - Nameplate with the following data:

(Inside power steering)

MOHAWK
Nameplate

(On power steering)

4. Avoid installation of the Multiflex lift in the open air.

5. Pistons and safety legs are hard chrome plated. In order that the lift may work without difficulty make sure that all surfaces are sufficiently oiled before lift is operated.

6. According to specifications on page 17 fill in 20 l lubricating oil in each lift cylinder and 20-25 l hydraulic oil in each pump unit.

7. Activate main switch and push UP-button; if pump does not give any oil (lift does not raise) interchange the two-phase cables in the control unit (see above).
   Adjust safety valve so that the roller shutter moves smoothly (starts normally) and lock safety valve (if the pressure is too high the chain will brake when movable cylinder runs against the stop).

OPERATION

See lifting instructions page 20.

USE

1. In case of irregularities, which may be of importance as far as safety is concerned, put lift out of function immediately and call authorized Stenhøj trained lift service personnel.

MAINTENANCE / FREQUENCY OF LUBRICATION

1. Once per day raise pistons to top position (to be carried out by owner/employer).

2. Once per month let owner/employer check the following points:

   a. Ratchet housing/safety leg: if no "click" sound is heard, call authorized trained lift service personnel.
   b. UP/DOWN synchronized movement with load: maximum permissible distance between piston tops: 100 mm.
   c. Check that piston surfaces are oiled - if not, call authorized trained lift service personnel.
   d. Check operation of remote control panel - if defective, call authorized trained lift service personnel.
   e. Clean roller shutter plates with a brush and apply lubricating oil. (Penetrating Lubricant with Teflon)

3. Once every third month let trained lift service personnel check the following points:

   a. Tighten 6 fixing bolts of each superstructure by 39 kpm (382 Nm).
   b. Tighten fixing bolts of safety legs by 12 kpm (118 Nm).
   c. Tighten 4 fixing bolts of each ratchet housing by 1.6 kpm (15 Nm).
   d. Tighten fixing bolts of outer casings by 22 kpm (216 Nm).
   e. Check function of ratchets - springs must be replaced once every year.
   f. Check electric winch, chain, chain wheels and driver.
   g. Lubricate sliding surfaces of roller shutter plates. (Penetrating Lubricant with Teflon)
   h. Check lubricating oil level add or remove to full line (see specified oil type on page 17)
   i. Check pump unit oil level add or remove to full line and moisture contents in oil (see specified oil type on page 17)
   j. Check synchronized movement of cylinders.
   k. Grease stuffing box. (Stenhoj grease part #290351)

4. CLEANING
   a. Keep piston and scraper ring surfaces (item 7, page 16) carefully clean. These surfaces should be kept sufficiently oiled and free from dirt.
   b. Keep movable parts of supports clean and lubricated.
   c. Blow at intervals ratchet housings for safety legs on both posts clean with compressed air and lubricate movable parts in ratchet housings.
   d. Remove sand and dirt from roller shutter plates with broom or brush and lubricate links.

5. LUBRICATING
   The oil poured in lubricates the guiding pistons (item 1). Check at intervals oil level in cylinders by means of dipstick (item 19, page 16). Top up until mark on dipstick has been reached (oil specifications page 17). A certain oil consumption is normal.

6. CHANGE OF LUBRICATING OIL
   (To be carried out by trained lift service personnel).
   Change at least every 4 years all lubricating oil in bottom of outer casings. Remove at the same time water and sediment.
   a. Dismount dipstick (item 19 on page 16).

b. Dismount support plate and flange socket (item 20, page 16).
c. Mount in its place a pipe long enough to reach the bottom of the guiding piston (about 95 ½" long).
d. Seal connection in piston top.
e. Blow in compressed air by means of an air gun through threaded hole for venting screw (item 5, page 16) in short puffs. Oil will then splash out of the pipe.
f. Fill in new lubricating oil (20 l) according to oil specifications on page 17.
g. Pack thread on flange socket when remounting (item 20, page 16).

7. OIL CHANGE IN PUMP UNIT
Change oil in pump unit after 3 week's operation:
a. Lower cylinder to bottom position.
b. Place movable post in its extreme position (max. distance between cylinders).
c. Remove cover plates of fixed cylinder.
d. Remove cover from pump unit.
e. Drain off used oil through bottom plug.
f. Refit bottom plug.
g. Fill in new oil according to oil specifications on page 17.
h. Vent lift cylinders, if they show signs of irregular operation (see maintenance step 4, page 8).

8. OIL FILLING IN PUMP UNIT
Check one a year the oil level in oil tank of pump unit. Oil should reach full mark on dipstick. Top up if necessary. Change oil if it is impure or contains condensation (water).
See method described in step 7 above and oil specifications page 17. Do not mix oil brands.

9. QUANTITY OF OIL
6 gallons per pump unit, 5.5 gallons lubricating oil per cylinder. See also oil specifications on page 17.

10. VENTING
The installer has carried out venting of the high-pressure cylinder during installation of the lift. Subsequent venting is normally only necessary after oil change. Method:
a. Raise piston without load to about 1 m, clean with low gun venting screw (item 38, page 16) in piston top. Loosen venting screw by means of a 6 mm hexagon spanner 1 or 2 turns.
b. Keep venting screw open until oil without air bubbles flows out.
c. Tighten venting screw up against seal (item 39, page 16).

11. AVOID USING THE MULTIFLEX LIFT IN WASHING BAYS.

SERVICE

1. REMOVAL OF ROLLER SHUTTER PLATES
When access to the pit is necessary because of pump unit service or repair, the following instructions must be followed strictly (see also illustration on page 19) in order to prevent the roller shutter from falling into the pit, thus causing waste of time.

1. Place movable cylinder about 75 cm from extreme position.
2. Insert a screwdriver or the like in one of the ø10 mm holes bored in all plates (item 1).
3. Dismount screws on carriage (item 2).
4. Place movable cylinder in extreme position. The resultant opening (shown black on the illustration) provides accessibility for service or repair of pump unit, winch and chain.

2. CHANGE OF SCRAPER RING / TEFLON GUIDE
(Items 7 and 10 on page 16).
Please order spare parts kit for Multiflex lift, Order No.
- 792008 (one kit per cylinder) before commencing the job for 27500 lbs and 33000 lbs lifts.

A - DISMANTLING
1. Dismount dipstick (item 19, page 16) and support plate.
2. Clean piston top and stuffing box.
3. Remove the 20 bolts from flange (item 12, page 16).
4. Place 2 of these bolts in the dismantling screw holes (item 11, page 16) the threads of which are protected by 2 short bolts, and screw until stuffing box is free.
5. Pull stuffing box out of the cylinder.
6. Remove scraper rings (item 7, page 16) and both Teflon guides and clean stuffing box carefully.

B - REASSEMBLY
1. Insert new Teflon guide (chamfered side towards piston surface!).
2. Insert new scraper rings (item 9, page 16).
3. Place new paper packing on outer casing.
4. Lower stuffing box over piston. Check that Teflon guides are placed correctly in their grooves.
5. Tighten stuffing box, mount support plate and dipstick.
6. Check lubricating oil level in outer casing as described in maintenance step 11, page 8.
7. Pump in 2 cartridges of grease in the stuffing box (Stenhøj special grease part #290351).

3. CHANGE OF SEAL IN HIGH-PRESSURE CYLINDER
(To be carried out by trained lift personnel only under scrupulously clean conditions and greatest care).
Please order spare parts kit for Multiflex lift, order number.
- 792008 (one kit per cylinder) before commencing the job for 27500 lbs and 33000 lbs lifts.

A - DISMANTLING
1. Dismount dipstick (item 19, page 16) and support plate.
2. Clean piston and its surroundings and dismount venting screw (item 38, page 16).
3. Loosen stuffing box (follow instructions in step 2A, 1-5 above).
4. Lift guiding piston (item 1, page 16) with stuffing box (item 4, page 16) and high-pressure cylinder (item 37, page 16) using crane or lifting tackle (use ring bolts in threaded M20 holes - ensure that ring bolts are not long enough to press on base of holes) and swing it aside. Cover outer casing and its surroundings with plastic foil so that no dirt enters outer casing.
5. Remove retaining ring (item 33, page 16) from piston top, which is now in sight.
6. Remove high-pressure seal (item 32, page 16) with nylon guide ring.

B - REASSEMBLY
1. Mount new Hall & Hall seal with nylon guide ring (from spare parts kit) and retaining ring.
2. Clean packing surface and outer casing and flange of stuffing box.
3. Mount new paper packing (item 9, page 16) from spare parts kit.
4. Lower guiding piston with high-pressure cylinder and stuffing box carefully into piston top and further into outer casing. If stuffing box is difficult to maneuver into its guide in outer casing, a plastic hammer can be used for the last part of the way.
5. Fasten stuffing box.
6. Mount venting screw (item 38, page 16). Vent high-pressure cylinder (see maintenance step 7, page 9).
7. Mount support plate and dipstick (item 19, page 16) and check lubricating oil level in outer casing as described in maintenance step 10, page 9.

4. CHANGE OF THE GUIDING PISTON

(To be carried out by trained personnel).
Please order spare parts kit for Multiflex lift, order number.
- 792008 (one kit per cylinder) before commencing the job for 27500 lbs and 33000 lbs lifts.

A - DISMANTLING

1. Dismount dipstick (item 19, page 16) and support plate.
2. Clean piston top and stuffing box.
3. Remove the 20 bolts from flange (item 12, page 16).
4. Place 2 of these bolts in the dismantling screw holes (item 11, page 16) the threads of which are protected by 2 short bolts, and screw until stuffing box is free.
5. Pull stuffing box out of the piston.
6. Remove retaining ring from centre of piston top (item 40, page 16), tap the protruding bolt lightly (item 38, page 16) to ensure that power cylinder is detached from guiding piston.
7. Lift guiding piston by means of a crane or lifting tackle. Use ringbolts in M20 threaded holes. Ensure that ring bolts are not long enough to press on base of holes.
8. Place guiding piston on a base of planks.
9. Carefully remove stuffing box from guiding piston.
10. Remove rubber packing (item 41, page 16) from top of high-pressure cylinder.
11. Cover outer casing and its surroundings to ensure that no dirt enters the outer casing.

B - REASSEMBLY

1. Change Teflon guide and scraper rings in stuffing box (see item 1-4, page 16) and slide them carefully down the new guiding piston, which should be oiled and lying on trestles.
2. Slide stuffing box down to the lower end of the guiding piston before lifting guiding piston. Raise upper end of piston (ring bolts as in step 3.4 page 10), lift high-pressure cylinder, which is still in outer casing by starting pump unit, until cylinder top is approx. 20 cm above edge of square flange.
3. Clean flange on upper part of outer casing and place new paper packing (item 9, page 16) from spare parts kit.
4. Mount new rubber packing (item 41, page 16) from spare parts kit.
5. Lift guiding piston with stuffing box by means of crane or lifting tackle and lower it slowly and carefully into outer casing. Guide the upper part of the high-pressure cylinder into the lower end of the guiding piston. Proceed with care until it may be necessary to hammer stuffing box into place (use plastic hammer).
6. When guiding piston has almost reached the bottom, high-pressure cylinder has to be edged into place by means of a clean screwdriver or other suitable tool. Fit retaining ring (item 40) in top of guiding piston to hold high-pressure cylinder).
7. Mount support plate and dipstick (item 19, page 16).
8. Check lubricating oil level in outer casing as described in maintenance step 10 page 9.

5. ORDERING SPARE PARTS

When ordering spare parts please state:

a. Serial number of lift (stamped on name plate and engraved on uppermost flange in stuffing box).
b. Capacity, lift type and piston diameter.
c. Part number and description of the spare part required as shown in the spare parts list provided with the lift.
d. Genuine spare parts must be ordered from:

Total Tool Ltd
10 Kids Lane
Castleton, NY 12033
Tel.: 1-800-677-8685

Spare parts kit for high-pressure cylinder contains:
High-pressure seal (Hall & Hall), scraper ring (Hall & Hall), Teflon guide, rubber ring, paper packing and packing for venting screw.

Order No.: 792008 for 27500 lbs and 33000 lbs lifts

290351: Stenhøj special grease for stuffing box

TROUBLE SHOOTING CHART

IMPORTANT
TO BE CHECKED ONCE EVERY YEAR:

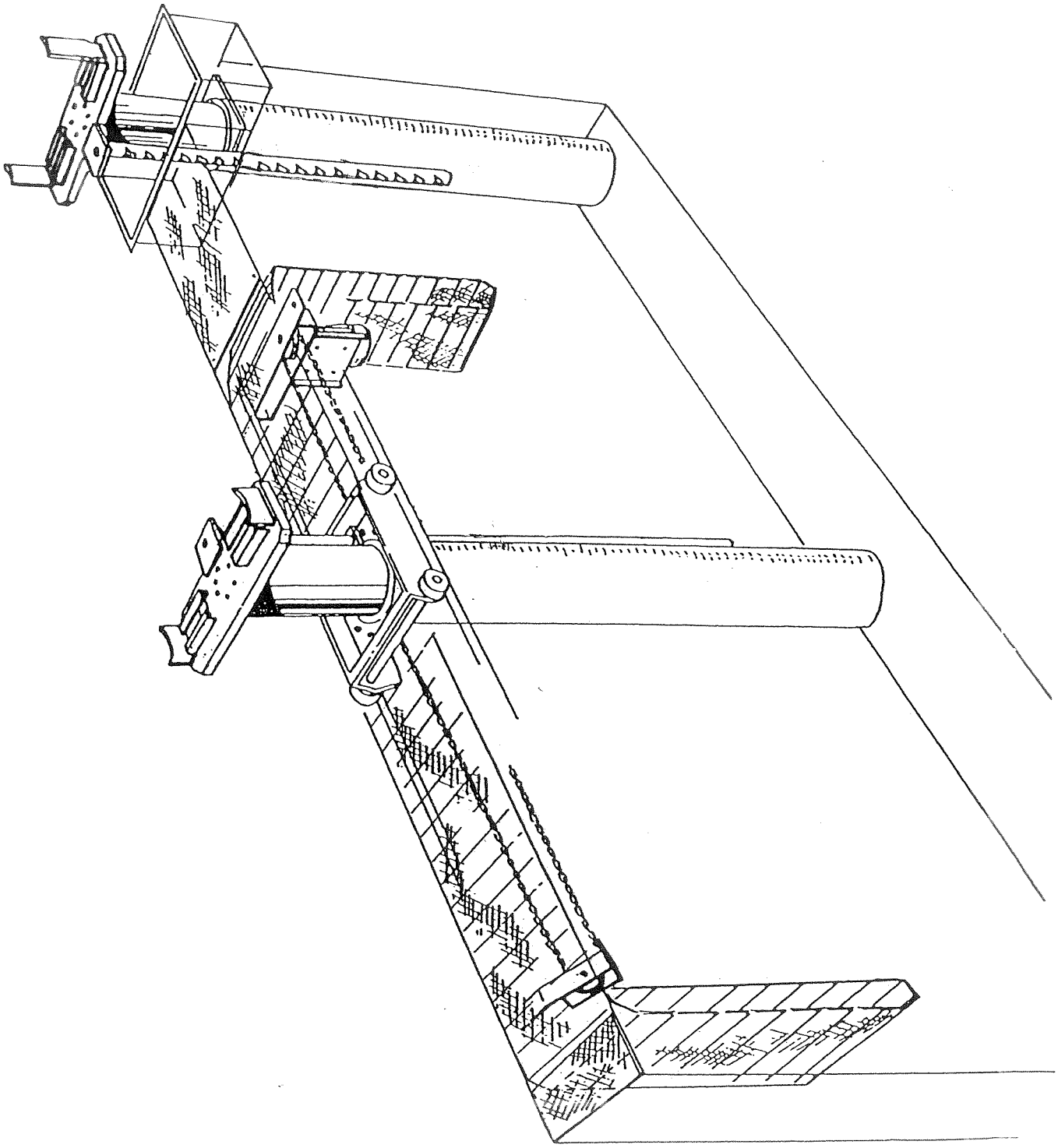
1. Oil level in pump unit. Top up with oil. Change oil if it is impure or contains condensation (Water). If oil pump unit runs without oil or with impure oil, it will be severely damaged.
2. Level of lubricating oil in lift. Top up.

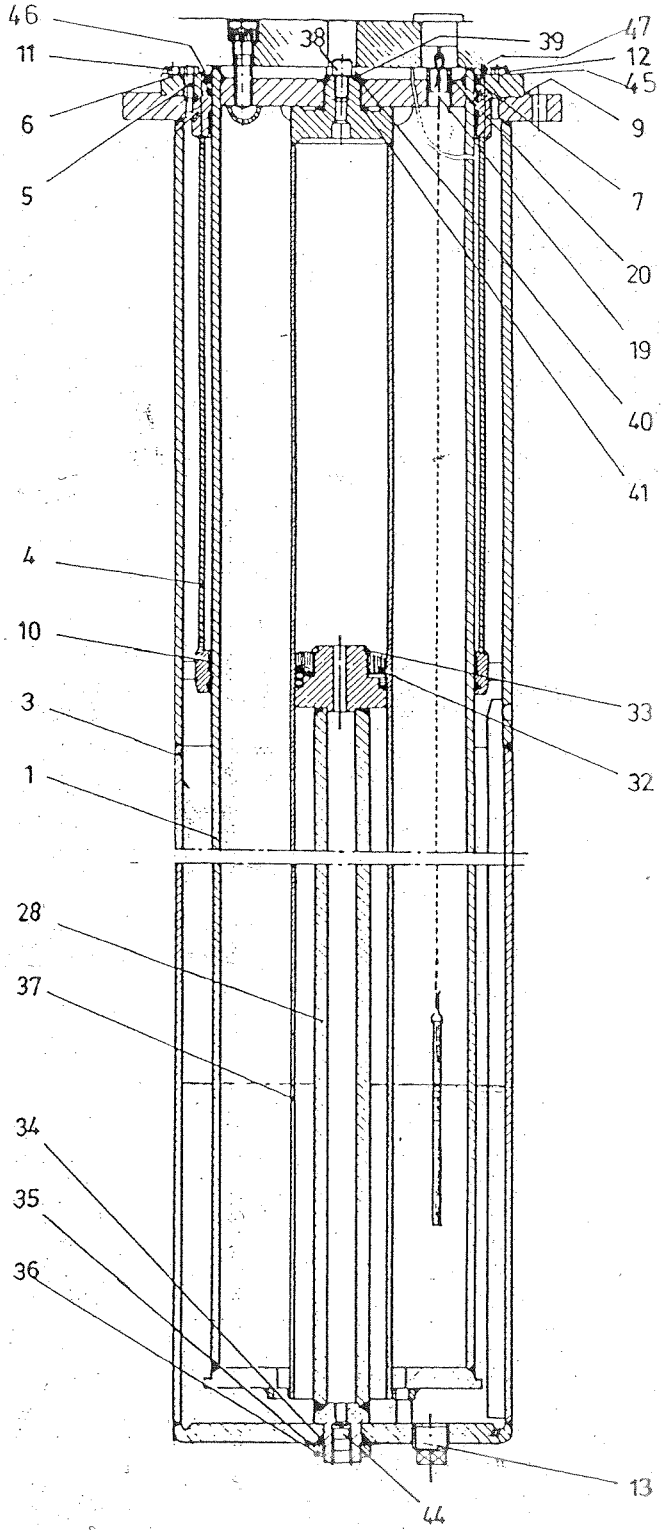
SYMPTOM	CAUSE	REMEDY
Pump unit working, piston cannot rise	No current	Check fuses, reset motor starter
	Electric motor defective	Repair or replace electric motor
	Control unit defective	Let service/electrician check control unit
Pump unit working, piston cannot rise	Overload	See lifting instructions
	Oil level too low	Top up with oil (specifications page 17)
	Excess-pressure valve out of order	Replace excess-pressure valve
	Oil motor defective	Let a fitter replace oil motor
	Suction filter or non-return valve blocked by dirt	Clean filter, non-return valve and oil tank, change oil (step 7 page 9)
Piston rises too slowly	Overload	See lifting instructions
	Suction filter or non-return valve blocked by dirt	Clean filter, non-return valve and oil tank, change oil (step 7 page 9)
	Solenoid valve blocked or defective	Clean or replace valve unit
	Incorrect oil viscosity	Change oil (step 6, page 8)
Piston descends too slowly	Solenoid valves blocked or defective	Clean or replace valve unit
	Fluid level in outer casing too high	Change lubricating oil, check hydraulic oil consumption (step 9, page 9)
	Emergency stop valve activated, venting needed or adjustment necessary	Vent or adjust (step 4, page 8)

TROUBLE SHOOTING CHART (continued)

SYMPTOM	CAUSE	REMEDY
Piston cannot descend	No current	Check fuses, reset motor starter
	Electric motor defective	Repair or replace electric motor
	Control unit defective	Let fitter/electrician check control unit
	Solenoid valves blocked or defective	Clean or replace valve unit
	Ratchet of safety leg does not release	Clean or replace ratchet cylinder
Lift descends in jerks	Piston surface dry	Fill in 2 cartridges of Stenhøj special grease into stuffing box. Check level of lubricating oil (step 5, page 8)
Oil waste at scraper ring	Level of lubricating oil too high	Check level of lubricating oil (step 5, page 8
Consumption of hydraulic oil too high	High-pressure seal defective	Replace seal (step 3, page 10)
	Corrosion or leak in piping	Replace defective pipe
Hydraulic winch cannot work	No current	Check fuses, reset motor start
	Adjust safety valve	Page 7, step 7
	Control unit defective	Let fitter/electrician check control unit
	Hydraulic motor defective	Repair or replace hydraulic motor
	Roller shutter defective	Check roller shutter, lubricate joints and grooves (step 1, page 9)
	Carriage for movable post defective	Check and lubricate (4 lubricating nipples), clean channel profile
	Chain for carriage broken	Repair or replace chain (step 1 page 9)
Oil pump unit too noisy	Oil level in pump unit too low	See "Symptom": consumption of hydraulic oil too high
	Oil motor worn or defective	Let fitter change oil motor
	Incorrect oil quality	Change oil, see specifications page 17

TWIN-POST ELECTRO-HYDRAULIC MULTIFLEX LIFT

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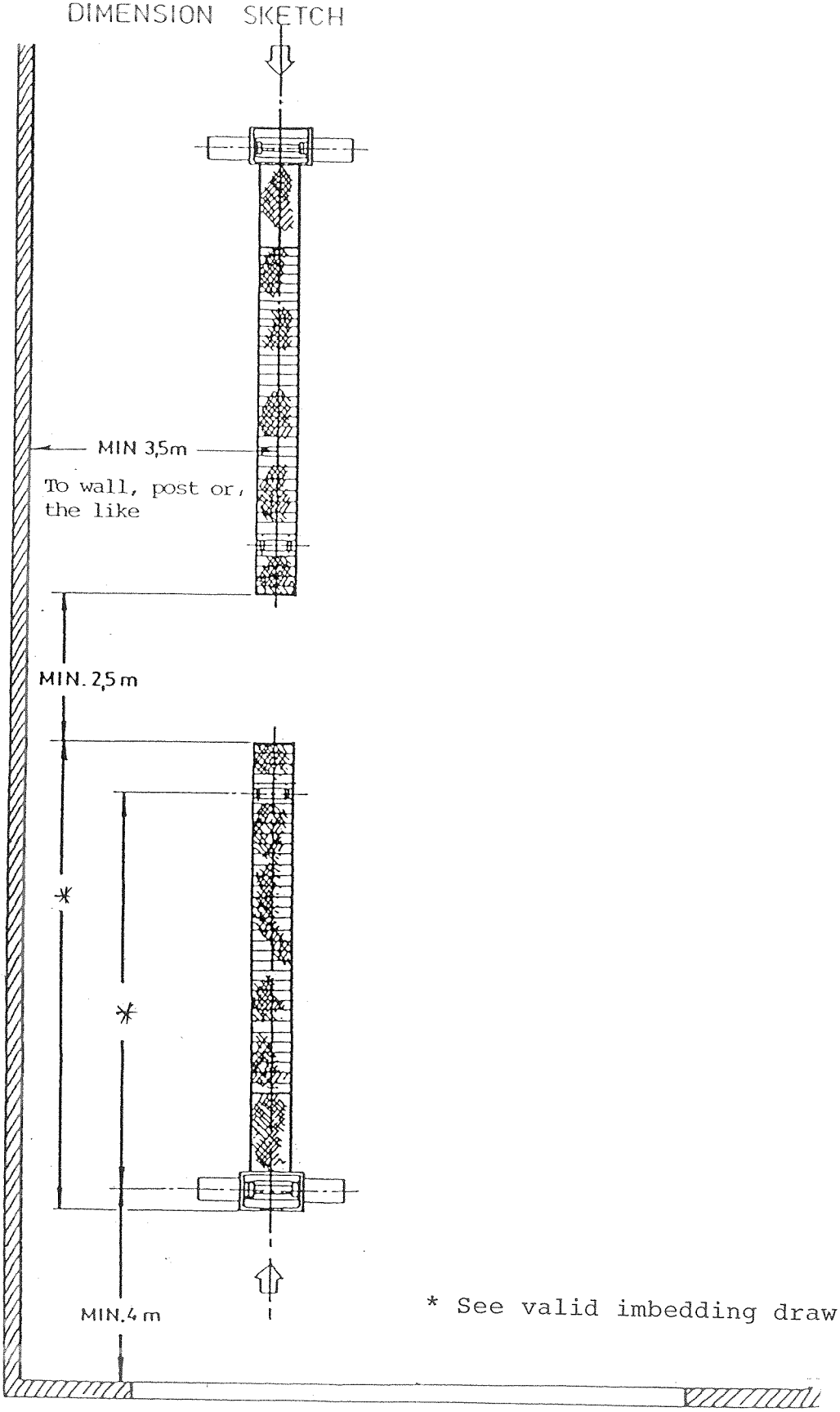
OIL SPECIFICATIONS

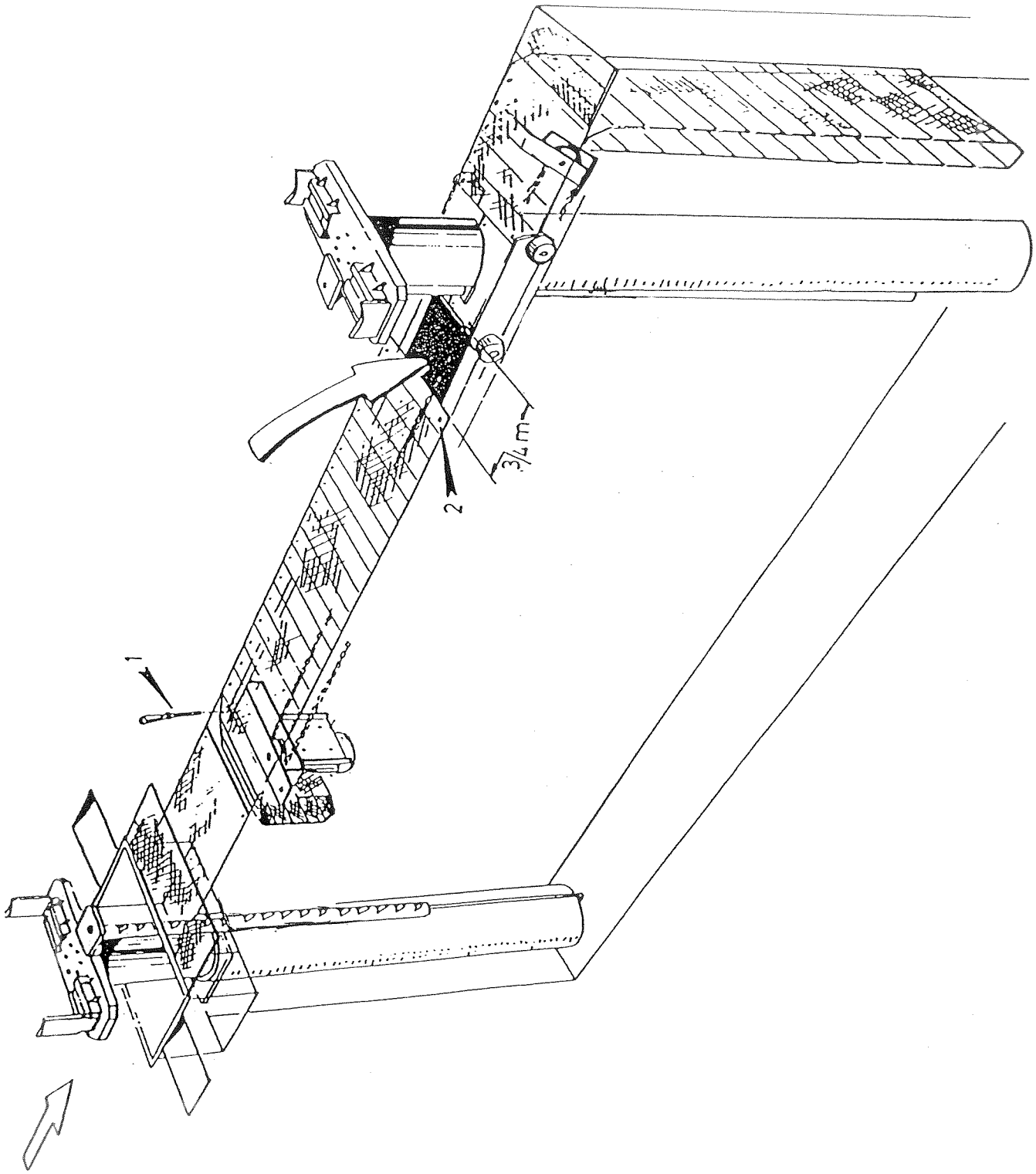
	- Semi-hydraulic lift (oil in lift cylinder)	- Multiflex lift	- Scissor lift - 2-post hydraulic surface-mounted - Servicemaster	Lubrication oil for high-pressure lift
Additives:	Anti-foam, anti-corrosion, anti-oxidation			
Other characteristics:	Water-separating			
Viscosity: (cSt=mm²/s)	75-120 cSt (40°C)	215 cSt (0°C) 32 cSt (40°C)	140 cSt (0°C) 22 cSt (40°C)	65 - 110 (40°C)
Viscosity index:	Min. 90	150	90	min. 70
Pour point:	Max. -10°C	Max. -10°C	Max. -10°C	Max. -10°C
ARAL	Aral vitam gf 100			Aral konit 30
AVIA	Abilub hydr.oil rsl 100			Avilub mk 2000
BP	Energol hlp 100	Bratran hv 32/shf 32	Bartran hv 22	Vannellus m 2030
CHEVRON	Hydraulic oil 100	Mechanism lps 32		EP industrial oil 68
GALP	Hidrolep 100			NR 30
ESSO STATOIL	Nuto hp 100	Hydraway hv 32	Hydraway hv 22	Protectway 32
FINA	Hydran tsx 100	Hydran ts 32	Hydran ts 22	Arusan 30
GULF - Q8	Q8 haydn 100	Q8 haydn 32	Q8 haydn 22	Q8 wagner 68
MOBIL	Mobil dte 18	Mobil dte 24	Mobil dte 22	Mobilarma 524
NYNÄS	Td 39 ex			Td 31 ex
OK	Ok hydraulic oil 65	Super hydr. oil 32		Ultima eph 68
SHELL	Tellus oil (S) 100	Tellus oil 32	Tellus oil 22	Remula x 20 w
NOROL	Hydraulikolje hm 100			Lagringsolje sae 20
TEXACO	Rando oil 150	Rando oil hd 32	Rando oil hd 22	Regal oil R&O 100
IGOL	Sonhodro 100/hydro 30			Relax
VALVOLINE	Ultramax hlp 100	Ultramax hvlp 32	Ultramax hvlp 22	Ultramax hlp 68
SUNOCO	Sonvis 8100 wr 100	Sunvis 832 wr-hv	Sunvis 822 we-hv	Sunfill 2630
ELF	Elf olna 100	Olna ds 32	Olna ds 22	Olna ds 100
CASTROL	Hyspin aws/awh 100	Hyspin awh 32	Hyspin aws 22	Rustilo 652

971013 KM/gf

DIMENSION SKETCH



* See valid imbedding drawing


1
2
3/4 m

LIFTING INSTRUCTIONS

IMPORTANT !
THIS LIFT IS A SO-CALLED AXLE LIFT AND MUST THEREFORE ONLY LIFT ON THE AXLES OF THE VEHICLE !

1. Place vehicle with rear wheels resting in the fixed cylinder recess.
2. Place the movable cylinder support under the front axle of the vehicle.
3. Place front and rear adjustable adaptors under the lifting points of the vehicle.
4. Raise pistons individually to make the vehicle clear the floor.
5. Ensure that the vehicle has been placed safely on the adaptors.
6. Raise both pistons simultaneously until vehicle has reached the working height required.
7. Lowering: Raise pistons a couple of inches, afterwards lift can be lowered; ensure that both pistons are lowered simultaneously.
8. The following instructions apply only to lifts with synchronization systems.

   Individual adjustment of the posts is achieved in the following manner:
   a. Place movable cylinder under the relevant lifting point.
   b. Place switch in "manual" position and choose cylinder 1. Raise this cylinder to the height required (see step 4).
   c. Choose cylinder 2 and raise it to the height required.
   d. Place switch in "automatic" position - A2.
   e. After this, both cylinders keep the same difference of level between them - during raising and lowering.
   f. When the lift is lowered to bottom position after use, this difference of level is neutralized, and the cylinders should after this be adjusted as mentioned above in items a-d.

IMPORTANT!

If the switch is placed in "manual" position during automatic operation, and each cylinder is operated individually, or if the adjustment is otherwise changed, it is necessary to lower each cylinder at a time with the switch in "manual" position.