

Bariatric HD Patient Lift

1000 lb. Weight Capacity

User's Manual



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TECHNICAL SPECIFICATION

Maximum Spreader Bar Height with Scale	69.8"
Minimum Spreader Bar Height with Scale	29.7"
Maximum Spreader Bar Height without Scale	76.5"
Minimum Spreader Bar Height without Scale	36.5"
Base Width (Open)	56.4"
Base Width (Closed)	32.6"
Base Height (Clearance)	4.5"
Base Length	60.5"
Caster Size (Front/Rear)	3" / 5"
Weight Capacity	1000 lb.
Weight inside Carton	270 lb.
Weight out of Carton	222 lb.
Battery	24V DC
Charger Input	100-240V AC
Accessories (not included)	Standalone Battery Charger
Battery Status	LCD Display
Approx. Lifts per Charge (Varies depending upon load and stroke)	10 cycles per charge
Warranty	5 years on structural steel 1 year on electrical & mechanical components

GENERAL WARNINGS AND CAUTIONS

INTENDED USE

The Bariatric HD Electric Patient Lift is intended for use within an institutional healthcare environment, i.e. hospitals, nursing homes, rehabilitation care, and assisted living.

The patient lift is not a transport device. It is intended to transfer an individual from one resting surface to another (such as a bed to a wheelchair).

Do not attempt any transfer without the approval of the patient's physician, nurse or medical assistant.

This lift is intended for users who fully understood the content of this manual and is not intended for use by children.

ASSEMBLING THE LIFT

⚠ WARNING: Do not overtighten the mounting hardware as this will damage the mounting brackets.

OPERATING THE LIFT

⚠ WARNING: Do not exceed the maximum weight capacity of the patient lift. The maximum weight capacity of the Dynarex Bari+Max HD Electric Patient Lift is 1000 lb.

Always ensure there is an audible click when mounting the battery on the battery charger to confirm proper mounting. Otherwise, injury or damage may occur.

Always keep hands and fingers away from moving parts to avoid injury.

Although two assistants are recommended for all lifting preparation and transferring procedures, our equipment will permit proper operation by one assistant. The use of one assistant is based on the evaluation of the health care professional for each individual case.

USING THE SLINGS

⚠ WARNING: Use a sling advised by the individual's doctor, nurse or medical assistant for the comfort and safety of the individual being lifted.

Do not insert any kind of plastic back incontinence pad or seating cushion between the patient and sling material that may cause the patient to slide out of the sling during transfer.

After each wash (in accordance with instructions on the sling), inspect the sling(s) for wear, tears, and loose stitching. Bleached, torn, cut, frayed, or broken slings are unsafe and could result in injury, and should be discarded immediately.

Do not alter slings.

Be sure to check the sling attachments each time the sling is removed and replaced, to ensure that it is properly attached before the patient is removed from a stationary object (bed, chair or commode).

If the patient is in a wheelchair, secure the wheel locks in place to prevent chair movements that could lead to potential falls.

When connecting slings to the patient lift, make sure there is sufficient head support when lifting a patient.

LIFTING THE PATIENT

⚠ WARNING: When using the lift, the legs **must** be opened to the maximum position and locked before lifting the patient.

The rear casters of the patient lift **must** be kept unlocked when lifting an individual. Locking the casters during lifting procedures could cause the lift to tip and endanger the patient and assistants. The unlocked casters during lifting procedures will allow the patient lift to stabilize itself when the patient is initially lifted from a chair, bed or any stationary object.

Specific slings are made for the Bariatric HD Patient Lift. For the safety of the patient, **do not** intermix slings and patient lifts of different manufacturers. The warranty will be **voided**.

When the patient is elevated a few inches off a stationary surface and before moving the patient, check again to make sure that all hardware or straps are properly connected. If any attachment is not properly in place, lower the patient back onto the bed and rectify the issue.

Adjustments for safety and comfort should be made prior to moving the patient. The patient's arms should be kept inside of the straps.

During the transfer, with the patient suspended in a sling attached to the lift, **do not** roll the caster base over uneven surfaces that could cause the patient lift to tip over. Always use the steering handle on the mast to maneuver the patient lift.

TRANSFERRING THE PATIENT

⚠ WARNING: When the patient is elevated a few inches off a stationary surface and before moving the patient, check again to make sure that all hardware and straps are properly connected. If any attachment is not properly in place, lower the patient back onto the stationary surface and rectify the issue.

Wheelchair wheels **must** be locked before lowering the patient into a wheelchair for transport.


GENERAL WARNINGS AND CAUTIONS

Make sure the wheelchair's weight capacity can withstand the patient's weight prior to loading the patient.

Be sure to check the sling attachments each time the sling is removed and replaced, to ensure that it is properly attached before the patient is removed from the bed or chair.

The mast and boom pivot **must** be tight to ensure the safe use of the patient lift. The bolt **must** be checked at least every six months in conjunction with periodic maintenance.

PERFORMING MAINTENANCE

 **WARNING:** Only qualified personnel should carry out the lift maintenance.

Do not attempt to open the pre-sealed actuator or obtain local service, for it will **void** the warranty and might result in damage. Consult your dealer or manufacturer for further information.


After the first year of operation, the hooks of the swivel bar and the mounting brackets of the boom should be inspected every three months to determine the extent of wear. If these parts become worn, replacement **must** be made.

After the first year of operation, inspect the swivel bar and the eye of the boom (to which it attaches) for wear. If the metal is worn, the parts **must** be replaced. Make this inspection every six months thereafter.

Inspect the casters and axle bolts every six months to check for tightness and wear.


Regular maintenance of patient lifts and accessories is necessary to ensure proper operation. **Do not** overtighten mounting hardware. This will damage mounting brackets.

ELECTRICAL AND GROUNDING

 **WARNING:** Thoroughly read through the battery/battery charger information prior to installing, servicing or operating your patient lift.

GROUNDING: **Do not**, under any circumstances, cut or remove the grounding prong from any plug. Some devices are equipped with three-prong (grounding) plugs for protection against possible shock hazards. Where a two-prong wall receptacle is encountered, it is the personal responsibility and obligation of the customer to contact a qualified electrician and have the two-prong receptacle replaced with a properly grounded three-prong wall receptacle in accordance with the National Electrical Code. If you **must** use an extension cord, use only a three-wire extension cord having the same or higher electrical rating as the device being connected.

DISPOSAL


 **WARNING:** This product has been supplied from an environmentally aware manufacturer.

The device contains lead acid batteries. **Do not** dispose of batteries in normal household waste. They **must** be taken to a proper disposal site. Contact your local waste management company for information.

This product may contain substances that could be harmful to the environment if disposed of in places (landfills) that are not appropriate according to legislation.

Please be environmentally responsible and recycle this product through your recycling facility at its end of life.

RADIO FREQUENCY INTERFERENCE

 **WARNING:** most electronic equipment is influenced by radio frequency interference (RFI). Caution should be exercised with regard to the use of portable communication equipment in the area around such equipment. If RFI causes erratic behavior, push the red power switch off immediately. **Do not** turn the power switch on while the transmission is in progress.

LIFE EXPECTANCY

The life expectancy of the lift is eight years, presuming that the product is used daily and in accordance with the safety instructions and maintenance instructions stated in this manual.

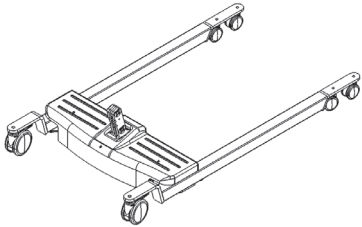
COMPONENTS

⚠ WARNING: To avoid injury, **do not** attempt to remove the lift from the carton without assistance.

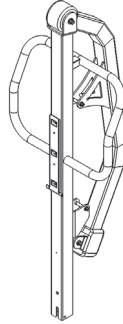
Examine and inspect all components of the lift for nicks, dents, scratches or damages.

NOTE: Not all items provided in the carton are shown. Pinch guards, bolts, washers and nuts are fastened to their intended locations and therefore omitted from the illustration.

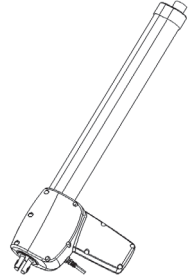
NOTE: Unless the lift is to be used immediately, retain boxes, containers, and packing materials for storage. Store the lift in a dry area and do not place other objects on top of the repackaged patient lift.



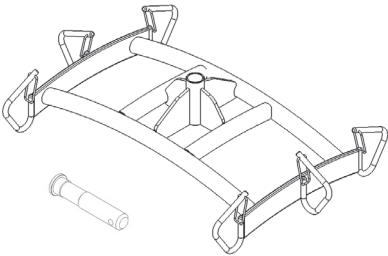
Lifter Base x 1



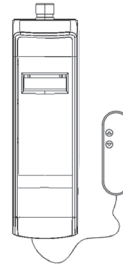
Boom & Mast Assembly x 1



Hi-Lo Actuator x 1



Hanger Bar and Pin x 1



Control Box & Hand Pendant x 1



Charging Power Cord x 1



Wrench x 1



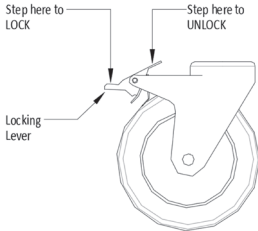
Allen Wrench x 2
(size M8 & M10)

ASSEMBLY INSTRUCTIONS

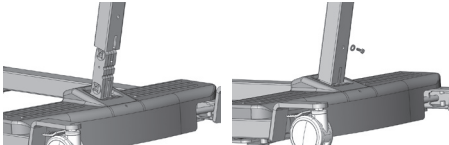
⚠ WARNING: Use only parts supplied by the manufacturer for assembly. The base legs, mast, boom, actuator assembly and swivel bar are manufactured to specifications that assure correct alignment of all parts for safe operation.

ASSEMBLING THE MAST TO THE BASE

1. Step on the locking levers to lock the two rear casters at the base.



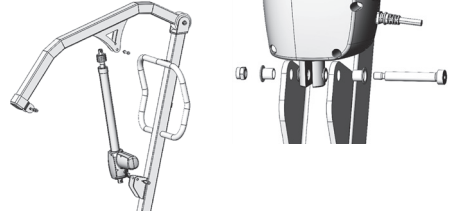
2. Remove the shoulder bolt, washer and nut fastened to the base of the mast.
3. Position the mast in an upright position, the notch on the mast should be facing back. Slide the mast onto the base. The notch should interlock with the tab on the base.
4. Secure with a bolt and washers through the base and mast.



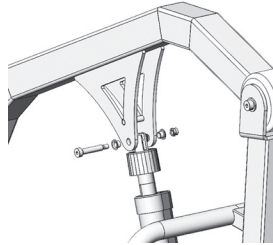
ASSEMBLING THE ELECTRIC ACTUATOR

NOTE: The bottom of the actuator assembly will be preassembled to the mast mounting bracket.

1. Align the base of the actuator with the mounting bracket on the mast. Insert the bolt through sleeve washers and secure with a nut.



2. Lift-up on the boom and place it on your shoulder.



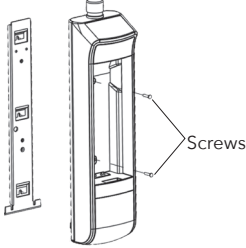
3. Align the holes of the boom assembly mounting bracket with those of the actuator and insert the bolt through sleeve washers and secure with a nut.

NOTE: Be sure that the bolt is completely through the holes of the boom assembly mounting bracket and the actuator assembly. The boom assembly will pivot easily if the mounting hardware is aligned properly when the boom assembly is secured.

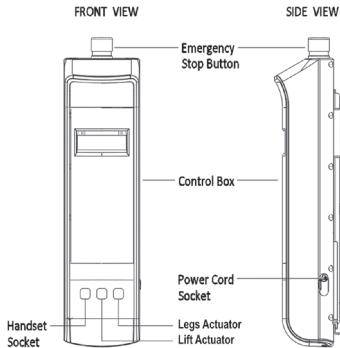
ASSEMBLY INSTRUCTIONS

ASSEMBLING THE CONTROL BOX TO THE MAST

1. Slide the control box onto the mounting bracket on the boom. Make sure the control box is held by the slide track.

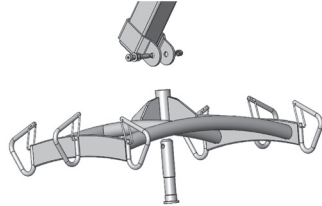


2. Secure the control box (without battery) to the mounting bracket with screws.
3. Slide the battery from the top onto the control box.
4. Open the lid on the bottom section of the control box. Connect the cords to their corresponding ports. Both the cords and ports are numbered. Reinstall the lid.

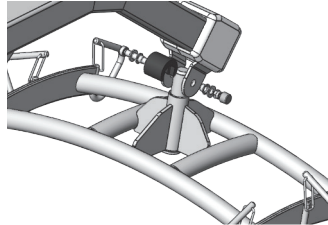


INSTALLING THE HANGER BAR

1. Pass the rotating shaft through the center of the hanger and lift it to the end of the lifting arm.

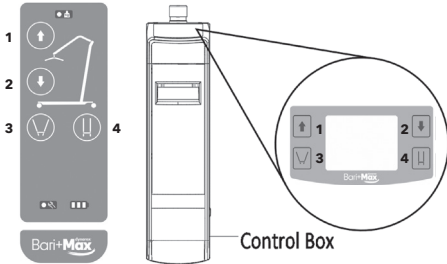


2. Use the shaft shoulder and nut to lock the screw holes on the lifting arm end in series, and cover the nut tightly.
3. Install the plastic shaft sleeve on the top of the shaft to prevent shaft deviation and hand clamping.



OPERATION INSTRUCTIONS

USING THE HAND PENDANT OR CONTROL BOX



TO RAISE THE LIFT: Press 1

TO LOWER THE LIFT: Press 2

TO OPEN THE BASE: Press 3

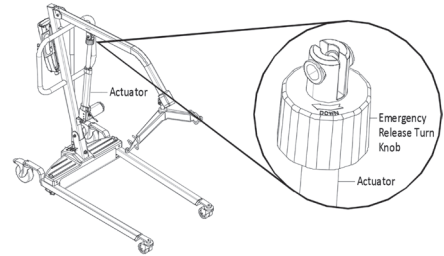
TO CLOSE THE BASE: Press 4

WARNING: The rear casters of the patient lift should not be locked when lifting an individual. Locked casters could cause the lift to tip and endanger the patient and assistants. It is recommended that the rear casters be left unlocked during lifting procedures to allow the patient lift to stabilize itself when the patient is initially lifted from a chair, bed or any stationary object.

NOTE: Where the hand pendant is absent or at fault, the control box can be used to lower and raise the patient lift. The buttons for raising and lowering the lift is located on the front/top of the control box.

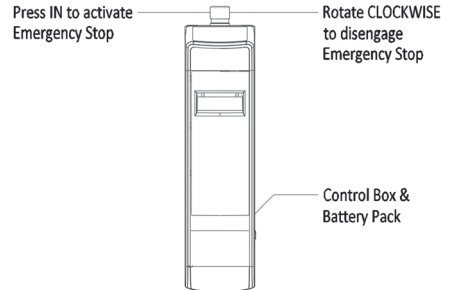
ACTIVATING THE MECHANICAL EMERGENCY RELEASE

All lift actuators are built with a Mechanical Emergency Release. The mechanical release enables the actuator to retract without power. To activate the emergency release, continue to rotate the emergency release knob clockwise, at the top of the actuator.



ACTIVATING THE EMERGENCY STOP

Press the RED/ORANGE emergency button on the control box to stop the boom assembly and patient from raising or lowering. Rotate the RED/ORANGE emergency stop button clockwise to disengage the emergency stop.



OPERATION INSTRUCTIONS

CHARGING THE BATTERY

NOTE: It is recommended that the battery should be recharged daily to prolong battery life. The battery status can be viewed on the battery display on the hand pendant control. The lift will not be operable while the battery is being charged. Keep the lift casters locked and the lift stationary.

WITH A POWER CORD

1. Using the charging cord provided in the carton, plug the pins into an appropriate grounded electrical socket.
2. Insert the other end of the power cord into the corresponding socket on the side of the control box.
3. Ensure the emergency button on the control box is disengaged when charging the battery.
4. The indication light on the hand pendant will illuminate to indicate the battery is being charged.

WITH A STANDALONE CHARGER (NOT INCLUDED)

1. Insert your hand through the recess on the front of the control box and pull out the battery.
2. Place the battery in the standalone battery charger.
3. Plug the power cord for the standalone charger into a grounded mains socket. Switch on the battery charger. The indicator light on the battery charger will turn red.
4. Once fully charged the indicator light will turn green. Lift up on the strap handle on the top of the battery.
5. Lift the battery up and out away from the battery charger.
6. Reinstall the battery onto the control box. Make sure there is an audible click when closing the lid.

NOTE: The emergency stop on the control box must be activated, button **PRESSED IN**, when mounting the battery. If not, a potential power surge could damage the control box.

POSITIONING THE LIFT FOR USE

1. With the legs of the base open and locked, use the steering handle to push the patient lift into position.
2. Lower the patient lift for easy attachment of the sling.

⚠ WARNING: The legs of the lift must be in the maximum open position and the shifter handle locked in place for optimum stability and safety. If it is necessary to close the legs of the lift to maneuver the lift under a bed, close the legs of the lift only as long as it takes to position the lift over the patient and lift the patient off the surface of the bed. When the legs of the lift are no longer under the bed, return the legs of the lift to the maximum open position.

PREPARE THE SLING AT LYING POSITION

1. Carefully and gently roll the patient on their side. The sling seat should be folded lengthwise and placed under the patient so that the lower edge of the seat is slightly below the back.
2. Roll the patient back onto their other side and pull the sling seat so that it unfolds under the patient. Then pull the leg loops forward and under the patient's thighs. The loops should come through the patient's legs. Then cross the loops.
3. With the boom of the lift lowered, place the straps of the sling over the hooks of the swivel bar.



OPERATION INSTRUCTIONS

PREPARE THE SLING AT SEATED POSITION

⚠ WARNING: Where the patient is seated in a wheelchair, the wheels **must** be locked when putting on the sling.

1. Lean the patient forward and set the folded sling behind the patient's back. Set the sling as far down as possible until it touches the back of the seat.
2. Open the sling, pull the bottom loop section of the sling under the patient's thighs then cross the loops.
3. With the lift in position and boom lowered, place the straps of the sling over the hooks of the swivel bar.



LIFTING/MOVING THE PATIENT

⚠ WARNING: Before lifting or transferring the patient, the base legs **must** be locked in the open position for optimum stability and safety. **Do not** engage the rear locking casters when the patient is in the lift.

⚠ WARNING: When the patient is elevated a few inches off the surface of the bed and before moving the patient, check again to make sure that all hardware or straps are properly connected. If any attachment is not properly in place, lower the patient back onto the bed and rectify the issue.

1. Using the steering handle, push the patient lift underneath the bed.
2. With the sling securely attached to the lift, press the UP (▲) button to raise the patient above the bed. The patient should be elevated high enough to clear the bed and their weight supported by the lift.
3. When the patient is lifted from the bed (with the patient's head supported), he/she will be raised to a sitting position.
4. When the patient is clear of the bed surface, swing their feet off the bed.
5. Using the steering handle, move the lift away from the bed.
6. When moving the patient lift away from the bed, turn the patient so that he/she faces the assistant operating the patient lift.
7. Press the DOWN (▼) button lowering the patient so that his feet rest on the base of the lift, straddling the mast.
8. With both hands firmly on the steering handle, pull the patient lift away from the bed and then push it from behind.

OPERATION INSTRUCTIONS

TRANSFERRING THE PATIENT

⚠ WARNING: When the patient is elevated a few inches off a stationary surface and before moving the patient, check again to make sure that all hardware or straps are properly connected. If any attachment is NOT properly in place, lower the patient back onto the bed and rectify the issue.

⚠ WARNING: Before lifting or transferring the patient, the base legs MUST be locked in the open position for optimum stability and safety. DO NOT engage the rear locking casters when the patient is in the lift.

TRANSFERRING THE PATIENT FOR COMMODE USE

The slings with commode openings are designed to be used with either a commode chair or a standard commode.

NOTE: It is recommended that the sling remain connected to the swivel bar during the patient's use of either a commode chair or a standard commode.

NOTE: The lift is not a transport device. Where it is difficult to maneuver the lift towards the commode or the bathroom facility is too far from the bed, the patient must be transported to a wheelchair first.

1. With the patient correctly positioned on the sling, attach the sling to the swivel bar.
2. The patient should be elevated high enough to clear the commode chair/standard commode and their weight supported by the lift.
3. With the help of both assistants, guide the patient onto the commode chair/standard commode.
4. Lower the patient onto the commode chair/standard commode leaving the sling attached to the swivel bar.
5. When complete, recheck for correct attachment and then raise the patient off the commode chair.
6. When the patient is clear of the commode surface (using the steering handles), move the lift away from the commode chair/standard commode.
7. To return the patient to bed, reverse procedures concerning lifting the patient, operation and sling attachment.
8. To return or place the patient in a wheelchair, refer to the "Transferring the Patient to a Wheelchair" section on page 11 of this manual.

TRANSFERRING THE PATIENT TO A WHEELCHAIR

⚠ WARNING: The wheelchair wheels **must** be locked before lowering the patient into the wheelchair for transport.

NOTE: Use the straps or handles on the side and the back of the sling to guide the patient's hips as far back as possible into the seat for proper positioning.

1. The legs of the lift (with the patient) shall be in the open position.
2. Move the wheelchair into position.
3. Ensure the rear wheels of the wheelchair are locked to prevent further movement of the chair.
4. Position the patient over the seat with their face away from the seat and their back against the back of the chair.
5. Lower the patient by pressing the DOWN (▼) button on the lift controller.
6. With one assistant behind the chair and the other operating the patient lift, the assistant behind the chair will pull back on the grab handle (on select models) or sides of the sling to seat the patient well into the back of the chair. This will maintain a good center of balance and prevent the chair from tipping forward.
7. Disconnect the sling from the patient lift.
8. To return to the bed, reverse procedures concerning lifting the patient, operation and sling attachments.

TROUBLE SHOOTING GUIDE

SYMPTOMS	FAULTS	SOLUTIONS
Actuator idle when lift buttons are pressed.	Battery Low.	Recharge battery with power cable or wall charger.
	Hand control or actuator connector loose.	Ensure tight connection of all connectors to control box.
	RED emergency stop button pressed in.	Rotate the emergency button Clockwise until it pops out.
	Battery not connected properly to control box.	Dismount and remount the battery to control box.
	The connecting terminals are damaged.	Replace the battery pack. Contract your supplier.
	Actuator in need of service or load is too high.	Contact your supplier for actuator maintenance.
Patient lift feels loose.	Mast/Base joint loose.	Refer to Assembly Instructions on pages 6 and 7.
Casters/Brakes noisy or stiff.	Debris or fluff in bearings	Replace casters.
Noisy or dry sound from pivots.	Needs lubrication.	Lubricate your lift.
Unusual noise from actuator.	Actuator is worn or damaged or spindle is bent.	Replace the actuator. Contact your supplier.
Lift arms will not lower during a power retraction.	Shoulder bolt at the junction of the boom and mast may not be properly installed.	Tighten the mast and boom pivot bolt.

NOTE: If problems persist following the above remedial procedures, please contact your dealer or the manufacturer.

LIMITED WARRANTY

Your Dynarex Electric Patient Lift is warranted to be free of defects in materials and workmanship for five (5) years on structural steel, one (1) year on electrical & mechanical parts/components, from original date of purchase, for use by the original purchaser. This item was built to exacting standards and carefully inspected prior to shipment. This Warranty is an expression of our confidence in the materials and workmanship of our products and our assurance to the consumer of dependable service.

The Warranty shall not apply under the following conditions:

- Problems arising from normal wear
- Problems arising from failure to adhere to the product instructions
- Problems arising from misuse, negligence, accident or improper operation, maintenance or storage
- Problems arising from modifications or unauthorized repairs, parts or attachments
- Products where the serial number has been removed or defaced
- Problems with non-durable components, such as rubber accessories, casters, and grips, which are subject to normal wear and need periodic replacement

Dynarex shall not be liable for any consequential or incidental damages whatsoever. Dynarex shall repair or replace defective products at its option. The foregoing warranty is exclusive and in lieu of other express warranties, if any, including the implied warranties of merchantability and fitness of a particular purpose. The remedy for any violation of the implied warranty shall be limited to repair or replacement of the defective product pursuant to the terms contained herein.

If you have a question about your Dynarex device or this warranty, please contact an authorized Dynarex dealer.

⚠ WARNING:
Cancer and Reproductive Harm
www.P65Warnings.ca.gov



SYMBOL GLOSSARY

For an explanation of symbols used in Dynarex packaging, visit dynarex.com/symbols.php

R230404