



S500.100

OBSTETRIC SUSIE[®]

USER GUIDE



TABLE OF CONTENTS

1. INTRODUCTION	5
1.1 SPECIFICATIONS	5
1.2 TERMINOLOGY	5
1.3 CARE AND MAINTENANCE	5
2. OVERVIEW	7
2.1 FEATURES	7
2.2 PROCEDURES	7
3. INITIAL SETUP	8
3.1 CARE AND CAUTIONS DURING UNBOXING	8
3.2 PACKAGE CONTENTS	8
3.3 ASSEMBLY	8
3.4 REMOVING THE ABDOMINAL COVER	9
3.5 INSTALLING THE BIRTHING MECHANISM	9
3.5 INSTALLING THE CERVIX	10
4. WORKING WITH THE SKILLS TRAINER	10
4.1 PREPARING A CEPHALIC DELIVERY	10
4.2 PREPARING A BREECH DELIVERY	13
4.3 DEMONSTRATING SHOULDER DYSTOCIA	15
4.4 PREPARING FOR LEOPOLD MANEUVER OR PALPATING THE BIRTHING BABY	17
4.5 PREPARING PLACENTA AND CORD COMPLICATIONS	19
4.6 SIMULATING PLACENTA DELIVERY	21
4.7 DEMONSTRATING A C-SECTION DELIVERY	22
4.8 ATTACHING THE BIRTHING BABY'S SKIN MASK	22
4.9 CHANGING THE CERVIX INSERT	23
4.10 CHANGING THE VULVA INSERT	24

5. POSTPARTUM UTERINE ACTIVITY	25
5.1 INSTALLING THE EPISIOTOMY PERINEUM INSERT	25
5.2 INSTALLING THE POSTPARTUM PERINEUM INSERT AND 48 HR POSTPARTUM UTERUS	26
5.3 SIMULATING A BOGGY UTERUS	28
6. APPENDIX	29
6.1 PARTS LIST	29
6.2 CONSUMABLES	29
6.3 EXCLUSIVE ONE-YEAR LIMITED WARRANTY	30
6.4 CONTACT GAUMARD	31
6.5 GENERAL INFORMATION	31

1. INTRODUCTION

1.1 SPECIFICATIONS

30 lbs.

30" x 22" x 12" inches

The Obstetric Susie® S500.100 is a versatile skills trainer for practicing routine delivery techniques and often - seen complications made from durable material.

1.2 TERMINOLOGY

Facilitator: The person conducting the simulation; an instructor or lab staff member.

Care Provider: A person participating in the simulation as a healthcare provider.

Perineum Insert: The structure that includes perineum with the vagina.

Pelvic Opening: The opening in the pelvic region of the trainer for installing the perineum insert.

1.3 CARE AND MAINTENANCE

The lubricants and other accessories provided are for use with the accompanying patient simulator only. The lubricants and other accessories are not suitable for human use or medical treatment/diagnosis and should never be used for such purposes.

NOTE: Damage caused by misuse is not covered by your warranty. It is critical to understand and comply with the following guidelines.

General

- Do not wrap this or any other Gaumard product in newsprint.
- Marks made with ballpoint pens, ink or marker cannot be removed.
- Replacement parts are available from Gaumard or from your distributor.

Storage

- Store the skills trainer in a cool, dry place. Extended storage should be between 32°F - 85°F (0°C to 29°C).
- It is acceptable to operate the skills trainer at an ambient temperature of 95°F (35°C) and humidity: 40% - 60% (non-condensing)
- Do not stack or store heavy materials on top of the box.

CAUTION: To avoid damage to the skills trainer, please store and ship it in the clear bag provided.

Cautions

- Treat the skills trainer with the same precautions used with a real patient.
- Have care providers wash their hands prior to use to prevent dirt and oils from clinging to the material.

Cleaning

- Remove all traces of lubricant at the end of each session with a cloth.
- Remove the fluid using the fill kit.
- Flush the fluid reservoirs with a 30:70 mix of isopropyl alcohol to water after each day of simulation then suction all fluid out.
- The skills trainer is “splash-proof” but not water proof. Do not submerge in water.
- The skills trainer should be cleaned with a cloth dampened with diluted liquid dishwashing soap.
- Do not clean with harsh abrasives.
- Dry thoroughly after every cleaning.
- Never drag or slide the skills trainer during transportation, or damage to the skin may occur.

2. OVERVIEW

2.1 FEATURES

- Anatomically accurate landmarks includes pubic bone
- Removable soft abdominal cover helps demonstrate internal rotation, and external rotation
- Inflatable cushion lifts birthing baby for palpation and eases fetal manipulation
- Removable cervix and vulva inserts
- Vulva is flexible enough to allow the care provider to help the fetal head and shoulders through the vulva
- Cervix dilates as labor progresses
- Birthing baby allows for “version” exercises with palpable fontanelles, spine, shoulders, elbows, and knees
- Birthing baby has palpable fontanelle and other landmarks for fetal palpation exercises
- Lifelike placenta with removable cotyledons
- Episiotomy modules include tears in the labia minora, mediolateral tears, and standard mediolateral episiotomy

2.2 PROCEDURES

- Execute cephalic, and breech deliveries
- Birth from ROA or LOP positions
- Demonstrate shoulder dystocia, or C-section delivery
- Perform Leopold, Ritgen's, and Pinard maneuvers during breech deliveries
- Practice intrauterine manipulation to convert breech or transverse to vertex delivery
- Perform placental and umbilical exercises such as placental delivery, placenta previa (total, partial, & marginal), nuchal cord, cord prolapse, and many others
- Practice umbilical cord procedures like clamping and cutting.
- Perform operative deliveries with real instruments like vacuum suction delivery and forceps assisted delivery
- Practice postpartum care such as fundal massage with the “boggy” uterus and episiotomy modules
- Facilitate suture repair for the episiotomy trainers using real instruments

3. INITIAL SETUP

3.1 CARE AND CAUTIONS DURING UNBOXING

- When unboxing the skills trainer, hold and lift from both sides of the torso.
- Do not pull or drag from the upper legs or from the skin as this may cause damage to the simulator.
- Lay on a clean, flat surface for use.

3.2 PACKAGE CONTENTS

- » Adult sized lower torso from diaphragm to quadriceps
- » Padded Abdominal Cover
- » 3 Dilating Cervices
- » 3 Vulva Inserts
- » Manual Birthing Mechanism
- » Articulating Birthing Baby
- » Birthing Baby Skin Mask
- » 2 Placentas
- » 3 Umbilical Cords
- » 2 Umbilical Clamps
- » Episiotomy Perineum Insert
- » 48 Hr Postpartum Uterine Assembly
- » Elevating Pillow
- » Silicone Lubricant
- » Talcum Powder
- » Carrying Bag



3.3 ASSEMBLY

Obstetric Susie® comes partially assembled along with the articulating baby, placenta and umbilical cord and a vulva insert installed. The birthing mechanism is included separately for installation.

3.4 REMOVING THE ABDOMINAL COVER

1. The abdominal cover attaches with snaps. To remove the abdominal cover, gently lift the 6 snaps.



2. To secure the abdominal cover, orient the snaps and gently press each of them down.

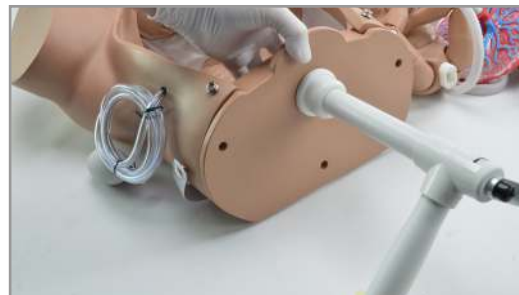


3.5 INSTALLING THE BIRTHING MECHANISM

1. Unscrew the 3 bolts



2. Align the birthing mechanism with the end of the torso



3. Screw on all 3 bolts into each hole in the clockwise direction.

NOTE: Do not tighten until all three bolts are on.



3.5 INSTALLING THE CERVIX

1. Align the cervix with the pelvic opening and gently push the top snap beneath the pubic bone.



2. Secure the cervix by gently pressing the two snaps on each side onto the abdominal wall.



4. WORKING WITH THE SKILLS TRAINER

4.1 PREPARING A CEPHALIC DELIVERY

1. Lubricate the birth canal, cervix, baby, and placenta with a generous amount of the lubricant provided.



2. To attach the umbilical cord, insert it into the birthing baby and the placenta.



The umbilical cord has a simulated umbilical vein that is blue and two simulated arteries that are red.



3. Position the birthing baby in the abdominal cavity with arms and legs folded into the body.



4. Attach the birthing mechanism to the birthing baby.



5. Attach the placenta, Velcro side down, onto the left or right side of the abdominal wall away from the birthing mechanism to ensure the umbilical cord does not snag on it.



6. If needed, snap the abdominal cover into place.

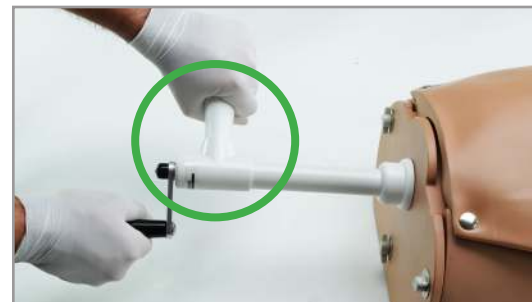


7. Crank the lever on the birthing mechanism to progress the delivery.



8. Use the handle to maneuver the birthing baby's rotations. The birthing cycle may be paused and resumed at any time.

NOTE: If the birthing baby's shoulders are not aligned with the vulva, binding may occur.



CAUTION: Always generously lubricate the birthing baby, vulva, and cervix using the lubricant provided with the skills trainer prior to performing these exercises. Failure to do so will make deliveries difficult and may damage the products.

4.2 PREPARING A BREECH DELIVERY

1. Remove the fontanelle plug.



2. Follow Steps 1 and 2 in Section 4.1 “Preparing a Cephalic Delivery”



3. Position the birthing baby in the abdominal cavity and place the legs in the desired position; complete, Frank, or Footling.



4. Attach the birthing mechanism to the birthing baby.



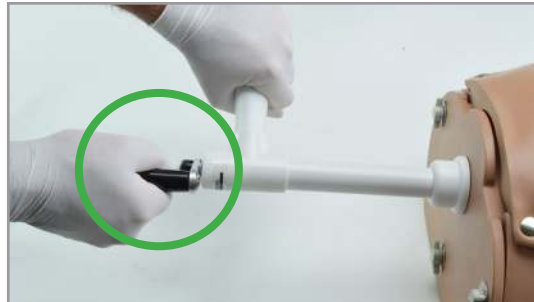
5. Attach the placenta onto the abdominal wall away from the birthing mechanism to ensure the umbilical cord does not snag on it.



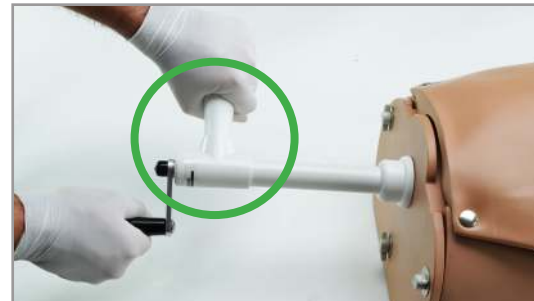
6. If needed, snap the abdominal cover into place.



7. Crank the lever on the birthing mechanism to progress the delivery.



8. Use the handle to maneuver the birthing baby's rotations. The birthing cycle may be paused and resumed at any time.



CAUTION: Always generously lubricate the birthing baby, vulva, and cervix using the lubricant provided with the skills trainer prior to performing these exercises. Failure to do so will make deliveries difficult and may damage the products.

4.3 DEMONSTRATING SHOULDER DYSTOCIA

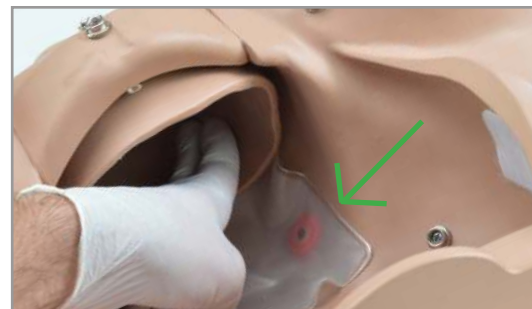
1. Follows steps 1-4 In Section 4.1 “Preparing a Cephalic Delivery.”



2. During shoulder dystocia, the pillow under the birth canal can be inflated to elevate the birthing baby’s shoulder to catch the symphysis pubis.



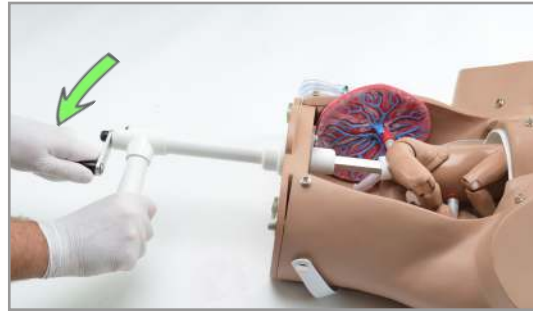
3. To relieve the air pressure, release the valve on the squeeze bulb and gently press down on the pillow.



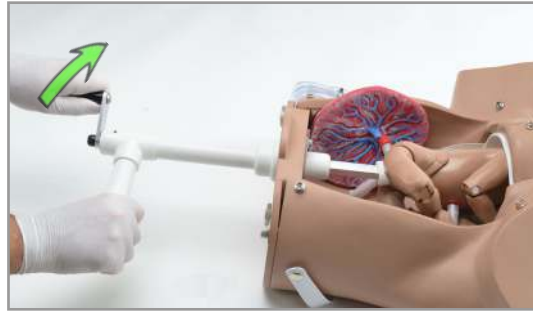
4. Use the lever on the birthing mechanism to gently push the birthing baby’s head through the cervix.



5. To simulate turtle signs during shoulder dystocia, turn the lever clockwise then counter clockwise.



At this point, the care provider may employ any of the maneuvers required.



6. When the care provider successfully employs the maneuver(s), continue to progress the birthing baby through the vulva insert using the lever on the birthing mechanism.



CAUTION: Always generously lubricate the birthing baby, vulva, and cervix using the lubricant provided with the skills trainer prior to performing these exercises. Failure to do so will make deliveries difficult and may damage the products.

4.4 PREPARING FOR LEOPOLD MANEUVER OR PALPATING THE FETUS

1. Retract the birthing mechanism fully.



2. Place the elevating pillow in the abdominal cavity.



Make sure to place squeeze bulb and tube out of the way to avoid pinching the line.



3. Place the palpation baby on the elevating pillow in the desired position.



4. Snap the abdominal cover into place.



5. Squeeze the bulb to inflate the elevating pillow and raise the palpation baby until it is palpable.



6. At this point, you may execute the maneuver or practice palpation.



7. To relieve the pressure in the pillow, gently press down on it with the squeeze bulb's valve released to allow air to escape.



4.5 PREPARING PLACENTA AND CORD COMPLICATIONS

Refer to the previous sections to complete the following cord complications during procedures or scenarios.

CAUTION: Always generously lubricate the birthing baby, vulva, and cervix using the lubricant provided with the skills trainer prior to performing these exercises. Failure to do so will make deliveries difficult and may damage the products.

Nuchal Cord:

1. Prepare a delivery.



2. Wrap the umbilical cord around the birthing baby's neck.



3. Place the birthing baby in the desired position in the abdominal cavity and insert the birthing mechanism into the birthing baby.



4. Attach the placenta onto the abdominal cavity.
If needed, snap the abdominal cover into place.

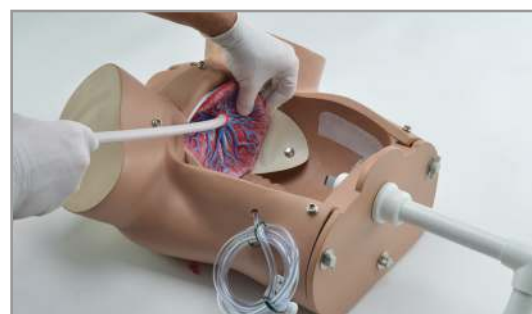


Placenta Previa:

1. Prepare a delivery.



2. Attach the placenta maternal side on the cervix in the total, partial, or marginal presentations.



3. Place the birthing baby in the desired position in the abdominal cavity and insert the birthing mechanism into the birthing baby.
If needed, snap the abdominal cover into place.



True Knot:

1. Prepare a delivery.



2. Tie the umbilical cord in a knot, then attach the placenta onto the abdominal cavity.



Cord Prolapse

1. Prepare a delivery.



2. Pull the umbilical cord partially through the vulva insert.



4.6 SIMULATING PLACENTA DELIVERY

1. Detach the placenta from the abdominal cavity and place it onto the cervix.



CAUTION: Always generously lubricate the placenta and cervix using the lubricant provided with the skills trainer prior to performing these exercises. Failure to do so will make deliveries difficult and may damage the products.

2. Push the placenta through the cervix and the vulva insert or gently pull the umbilical cord attached to it.



- To simulate placenta fragmentation, remove pieces of the placenta and attach them to the abdominal wall with the Velcro.
- At this point, the care provider may perform a manual exploration of the uterus.



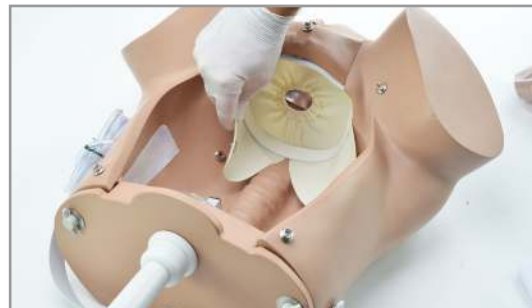
4.8 ATTACHING THE BIRTHING BABY'S SKIN MASK

- For vacuum assisted deliveries, the birthing baby is provided with a silicone skin mask that can be placed over its head and face to create better suction.
- To ease the placement of the mask over the birthing baby's head, and keep the materials from sticking, the lubricant provided or isopropyl alcohol may be used.



4.9 CHANGING THE CERVIX INSERT

1. To remove the used cervix insert secured to the abdominal cavity, gently pull the snaps on the side flaps.



2. Release the cervix by pulling the top snap under the pelvic bone.



3. To secure the new cervix insert, orient it into the pelvic opening and push the snap under the pelvic bone.

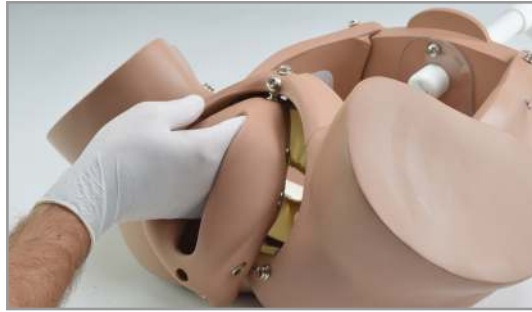


4. Snap the side flaps onto each side of the abdominal cavity.



4.10 CHANGING THE VULVA INSERT

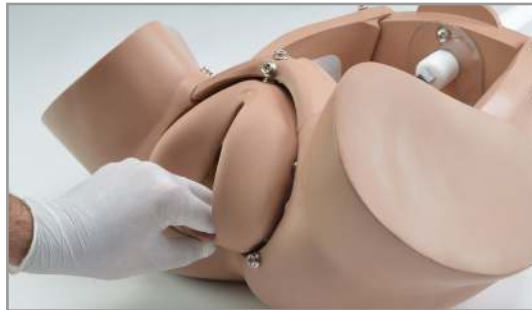
1. To remove the vulva insert, gently pull the snaps on the top, sides and bottom. There are 10 snaps in total.



2. Place the new vulva insert into the pelvic opening. The vaginal opening on the insert widens at the bottom.



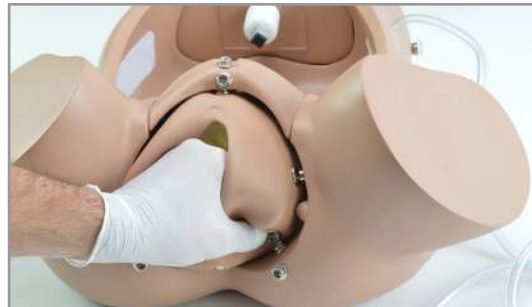
3. Snap the top and bottom snaps followed by the 4 snaps on each side.



5. POSTPARTUM UTERINE ACTIVITY

5.1 INSTALLING THE EPISIOTOMY PERINEUM INSERT

1. To remove the vulva insert, repeat step 1 in Section 4.10 "Changing the Vulva Insert."



2. Place the episiotomy insert in the pelvic opening.



3. Gently press the 3 snaps in the pelvic opening into place to secure the episiotomy perineum insert.



4. To remove the insert, gently pull the snap from the top and the two on each side, then gently remove the insert from the pelvic opening..

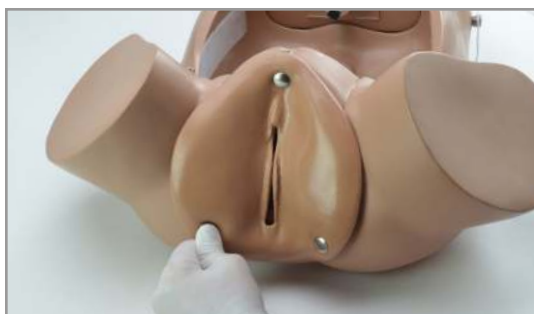


5.2 INSTALLING THE POSTPARTUM PERINEUM INSERT AND 48 HR POSTPARTUM UTERUS

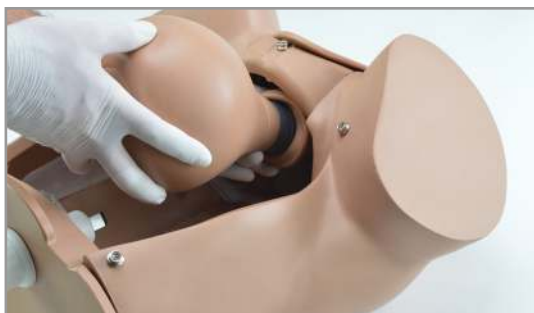
1. To remove the vulva insert, repeat step 1 in Section 4.10 “Changing the Vulva Insert.”



2. Place the postpartum perineum insert on the outside of the pelvic opening and gently snap the 3 connectors on the outside into place.



3. Attach the uterus to the end of the vagina by twisting the locking ring connection in the clockwise direction to secure it in place.



4. Lift the boggy uterus and insert the elevating pillow into the abdominal cavity.



5. Make sure the inflation tube is on the outside of the abdominal cover to not pinch the tubing.



6. Squeeze the bulb to simulate a boggy uterus.



7. To remove the perineum insert, gently pull the 3 snaps .



8. Hold the end of the vagina with one hand and with the other, detach the uterus by turning it counterclockwise.



5.3 SIMULATING A BOGGY UTERUS

1. To simulate a boggy uterus, squeeze the bulb attached until the desired size and hardness is achieved.



2. Attach the abdominal cover.



3. Lift the uterus by inflating the elevating pillow to ease palpation. Squeeze the bulb to inflate the elevating pillow.



4. As the fundus is massaged correctly, the facilitator opens the valve on the squeeze bulb, and the boggy uterus will deflate until the only the firm uterus is palpated.



6. APPENDIX

6.1 PARTS LIST

Product	Item Number	Contents
Obstetric Susie®	S500.100	<ul style="list-style-type: none"> » Adult sized lower torso from diaphragm to quadriceps » Padded Abdominal Cover » 3 Dilating Cervices » 3 Vulva Inserts » Manual Birthing Mechanism » Articulating Birthing Baby » Birthing Baby Skin Mask » 2 Placentas » 3 Umbilical Cords » 2 Umbilical Clamps » 3 Episiotomy Perineum Inserts » 48 Hr Postpartum Uterine Assembly (includes Postpartum Perineum Insert) » Elevating Pillow with Fetus » Silicone Lubricant » Talcum Powder » Carrying Bag
48 Hr Postpartum Uterine Activity	S500.100.941	<ul style="list-style-type: none"> » Postpartum perineum insert » Boggy uterus
Articulating Birthing Baby	S500.100.977	<ul style="list-style-type: none"> » Birthing baby
Birthing Mechanism	S500.100.929	<ul style="list-style-type: none"> » Birthing mechanism and end plate
Elevating Pillow	S50.100.981	<ul style="list-style-type: none"> » Elevating pillow and squeeze bulb
Face Skin for Articulating Baby	S500.100.977.817	<ul style="list-style-type: none"> » Face skin
Stomach Cover	S500.100.933.3	<ul style="list-style-type: none"> » Soft abdominal cover
Dilating Cervices	S500.100.935	<ul style="list-style-type: none"> » Set of 3 cervices
Carrying Bag	S500.100.807	<ul style="list-style-type: none"> » Soft carrying bag

6.2 CONSUMABLES

Product	Item Number
Episiotomy Trainer	S500.100.973
Lubricant	S500.100.974
Placenta	S500.100.924
Talcum Powder	S500.100.948
Umbilical Cords and Clamps	S500.100.925
Vulva Inserts	S500.100.932

6.3 EXCLUSIVE ONE-YEAR LIMITED WARRANTY

Gaumard warrants that if the accompanying Gaumard product proves to be defective in material or workmanship within one year from the date on which the product is shipped from Gaumard to the customer, Gaumard will, at Gaumard's option, repair or replace the Gaumard product.

This limited warranty covers all defects in material and workmanship in the Gaumard product, except:

- Damage resulting from accident, misuse, abuse, neglect, or unintended use of the Gaumard product;
- Damage resulting from failure to properly maintain the Gaumard product in accordance with Gaumard product instructions, including failure to properly clean the Gaumard product; and
- Damage resulting from a repair or attempted repair of the Gaumard product by anyone other than Gaumard or a Gaumard representative.

This one-year limited warranty is the sole and exclusive warranty provided by Gaumard for the accompanying Gaumard product, and Gaumard hereby explicitly disclaims the implied warranties of merchantability, satisfactory quality, and fitness for a particular purpose. Except for the limited obligations specifically set forth in this one-year limited warranty, Gaumard will not be liable for any direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any other legal theory regardless of whether Gaumard has been advised of the possibilities of such damages. Some jurisdictions do not allow disclaimers of implied warranties or the exclusion or limitation of consequential damages, so the above disclaimers and exclusions may not apply and the first purchaser may have other legal rights.

This limited warranty applies only to the first purchaser of the product and is not transferable. Any subsequent purchasers or users of the product acquire the product "as is" and this limited warranty does not apply.

[This limited warranty applies only to the products manufactured and produced by Gaumard. This limited warranty does not apply to any products provided along with the Gaumard product that are manufactured by third parties.](#)

For example, third-party products such as computers (desktop, laptop, tablet, or handheld) and monitors (standard or touch-screen) are not covered by this limited warranty. However, third-party products are covered by the warranties provided by the respective third-party manufacturers and such warranties are transferred from Gaumard to purchaser upon purchase of the Gaumard product. Defects in third-party products are covered exclusively by the warranties provided by the third-parties. Gaumard does not provide any warranty, express or implied, with respect to any third-party products. Please contact the third-party manufacturer for information regarding the availability of extended warranties for third-party products. Any waiver or amendment of this warranty must be in writing and signed by an officer of Gaumard.

In the event of a perceived defect in material or workmanship of the Gaumard product, the first purchaser must:

1. Contact Gaumard and request authorization to return the Gaumard product. Do NOT return the
2. Gaumard product to Gaumard without prior authorization.
3. Upon receiving authorization from Gaumard, send the Gaumard product along with copies of (1) the original bill of sale or receipt and (2) this limited warranty document to Gaumard at 14700 SW 136 Street, Miami, FL, 33196-5691 USA.

If the necessary repairs to the Gaumard product are covered by this limited warranty, then the first purchaser will pay only the incidental expenses associated with the repair, including any shipping, handling, and related costs for sending the product to Gaumard and for sending the product back to the first purchaser. However, if the repairs are not covered by this limited warranty, then the first purchaser will be liable for all repair costs in addition to costs of shipping and handling.

6.4 CONTACT GAUMARD

Before contacting technical support, please make sure to have your simulator and user guide readily available.

Email: support@gaumard.com

USA: 800-882-6655

INT: 01-305-971-3790

6.5 GENERAL INFORMATION

E-mail: sales@gaumard.com

USA: 800-882-6655

INT: 01-305-971-3790

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User Guide 17.3.1 UG S500.100