



Caution

Do not leave this manual in contact with the manikin's skin. Ink marks will be indelible, due to pigment infiltration.

PH-61

## Sectional Phantom Series

# Instruction Manual

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## Manufacturer's Note on PH-61 Sectional Phantom Series

PH-61 Sectional Phantoms are radiology phantoms that allow imaging of individual anatomy as needed.

Bony structures are created with fidelity even at the joints and cutting planes of the phantom. All bones are synthetic. Synthetic bones and human tissue substitute materials which consist the phantom are with close-to-human features against radiation.

The head phantom come with the stand for positioning

### Specification

Product Name: Sectional Phantom

Applications: Plain X-ray

Materials: Human tissue substitute (polyurethane), Synthetic Bone (Epoxy)

Size and Weight:	Head	41926-000, 41926-010:	W18 × D25 × H22cm	4.7kg
	Thorax	41926-060, 41926-070:	W45 × D24 × H45cm	10 kg
	Pelvis	41926-080	: W34 × D24 × H40cm	23 kg
	Right Elbow	41926-140, 41926-150:	W9 × D8 × H32cm	1.6kg
	Right Hand	41926-020, 41926-030:	W16.5 × D6 × H27cm	0.7kg
	Left Hand	41926-040, 41926-050:	W19 × D7 × H27cm	0.7kg
	Right Knee	41926-180, 41926-190:	W12 × D13 × H38cm	3.4kg
	Right Foot	41926-100, 41926-110:	W10.5 × D24 × H24cm	1.7kg
	Left Foot	41926-120, 41926-130:	W10 × D22 × H20cm	1.7kg

Range of Movement of Joints

41926-140 Elbow: 90°

41926-150 Elbow: 90°

41926-180 Knee : 90°

41926-190 Knee : 90°

Internal Organs

41926-060 Heart

Accessories : 41926-000, 41926-010: Positioning Stand 1, Screws, Sample Images

41926-060, 41926-070, 41926-080: Sample Images

41926-140, 41926-150: Screws, Sample Images

41926-020~41926-050: Sample Images

41926-180, 41926-190: Screws, Sample Images

41926-100~41926-130: Sample Images



## Please Note

1. The contours of the phantoms are slightly emphasized comparing to clinical images.
2. Although the phantoms are made of human tissue substitute materials, radiation setting needs to be adjusted when radiographing around the joints.



## Precautions

1. Do not force when positioning the phantom. It may cause breakage.
2. Avoid pressure or force on the neck and joints as it may damage the phantom.
3. Do not over-tighten the screw as it may damage the phantom.
4. Take utmost care when handling the hand of the phantom so as not to damage its thin fingers.
5. The phantoms are as heavy as human body and dropping a phantom can lead to serious risk. When carrying the thorax or pelvis phantom, work with two or more people for safety.
6. Take care so that no pressure or stress is on the connecting part of the phantom during storage.
7. Do not mark with pen of the phantoms. Ink will be absorbed in the material and will be irremovable.
8. Do not leave printed materials on the surface of the phantoms. Ink will be absorbed in the material and will be irremovable.
9. To clean the phantom, its components and accessories, wipe the surface with a piece of soft cloth moistened with water or mild detergent. Use of alcohol (including the one for disinfection) or organic solvent is strongly discouraged as it may damage the coating and painting.

# Before You Start

## Components of Sectional Phantoms

41926-000, 41926-010 Head



Item#	Part Name	QTY
1	Head Phantom	1
2	Screws M10×15	2
3	Hight Adjuster	1
4	Base Panel	1
5	Neck Connector	1
6	Fixture Plate	1
7	Fixture Knob	1
8	Bolt with Knob M6×18	2

41926-060, 41926-070 Thorax



Item#	Part Name	QTY
9	Thorax Phantom	1
10	Heart	1
11	Diaphragm	1

41926-080 Pelvis



Item#	Part Name	QTY
12	Pelvis Phantom	1

41926-140, 41926-150 Right Elbow



Item#	Part Name	QTY
13	Right Elbow Phantom	1
14	Bolt M6×60	2
15	Nut M6	2
16	Connector	1

41926-020, 41926-030 Right Hand



Item#	Part Name	QTY
17	Right Hand Phantom	1

41926-040, 41926-050 Left Hand



Item#	Part Name	QTY
18	Left Hand Phantom	1

41926-180, 41926-190 Right Knee



Item#	Part Name	QTY
19	Right Knee Phantom	1
20	Bold M12×18	2
21	Connector	1

41926-100, 41926-110 Right Foot



Item#	Part Name	QTY
22	Right Foot Phantom	1

41926-120, 41926-130 Left Foot



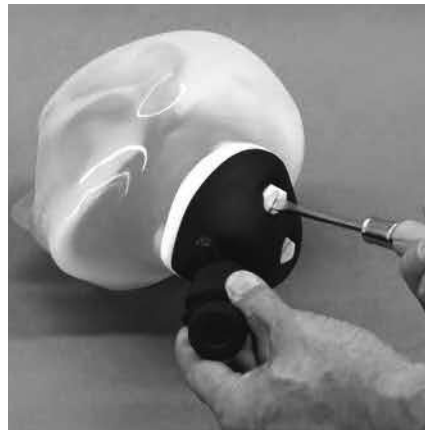
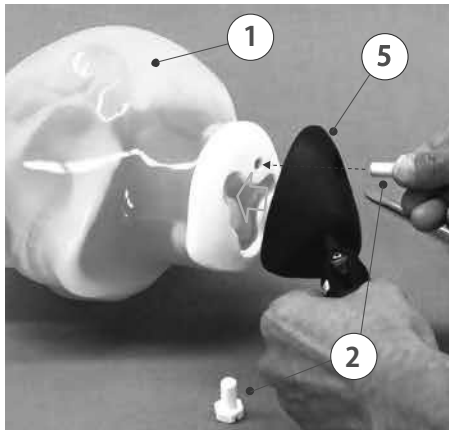
Item#	Part Name	QTY
23	Left Foot Phantom	1

\*Appearance of the phantoms may possibly differ from the photos.

# Assembly

## < Assembly of positioning Stand and Setting of the Head Phantom >

1. Mount the head phantom to the neck connector (5) and Fix it with two screws (2).



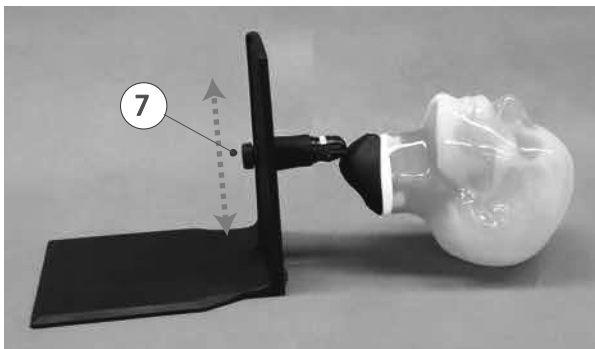
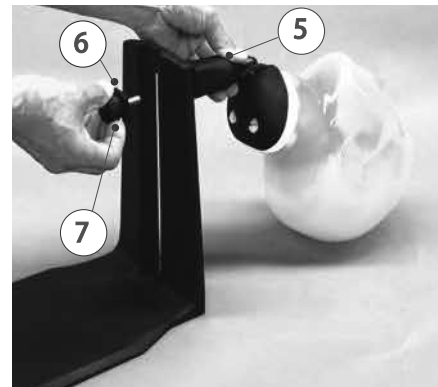
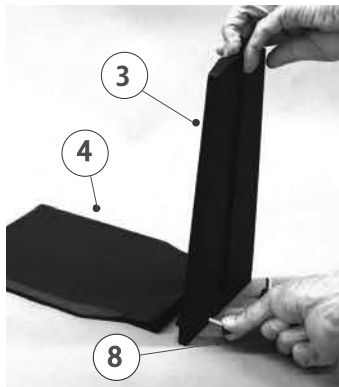
2 Bolt  
M10×15×2



8 Fixture Knob  
M6×18×2

2. Assemble the two panels. Attach the height adjustment panel (#8) to the base panel (#4) at right angle and fix with two screws.

Then, insert the end of the neck connector (#5) in the slit in the panel and fix it with the fixture (#6 and 7).



3. The phantom is ready.

Adjust the height of the neck as needed, by loosen the fixture and slide it through the slit.

Tighten the fixture again at the designated height.



## Caution

Do not let ink from pens, newspapers, this manual or other ink containing sources in contact with the manikin.  
Ink marks on the manikin will be irremovable.

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