



Humanetics Innovative Solutions, Inc.

Hybrid-III 5th Small Female Dummy

880105-000-H

FMVSS208, 49CFR Part 572, Subpart O



Brand Harmonized Parts Catalog





For information on Humanetics products, please visit our web site at www.humaneticsatd.com
or contact:

Humanetics Innovative Solutions
23300 Haggerty Road
Farmington Hills, Michigan
48335 USA
Tel: +1 248 778 2000
Fax: +1 248 778 2001

No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, photocopying, recording, mechanical or otherwise, without the express written consent of Humanetics Innovative Solutions.

Copyright © 2015 Humanetics Innovative Solutions, All rights reserved.

The information in this catalog is furnished for informational use only, and is subject to change without notice. Humanetics Innovative Solutions assumes no responsibility or liability for any errors or inaccuracies that may appear in this catalog.

Table of Contents

Head Assembly	4
Neck Assembly.....	5
Thorax Assembly 1	6
Thorax Assembly 2	7
Thorax Assembly 3	8
Transducer Assembly	9
Shoulder Assembly Left.....	10
Shoulder Assembly Right	11
Arm Assembly Left.....	12
Arm Assembly Right	13
Lower Torso Assembly	14
Lumbar Assembly	15
Leg Assembly Left.....	16-17
Leg Assembly Right.....	18-19
Friction Knee Slider Assembly Left and Right.....	20
Ankle Assembly	21
Accelerometer Mount Matrix	22
Clothes	22

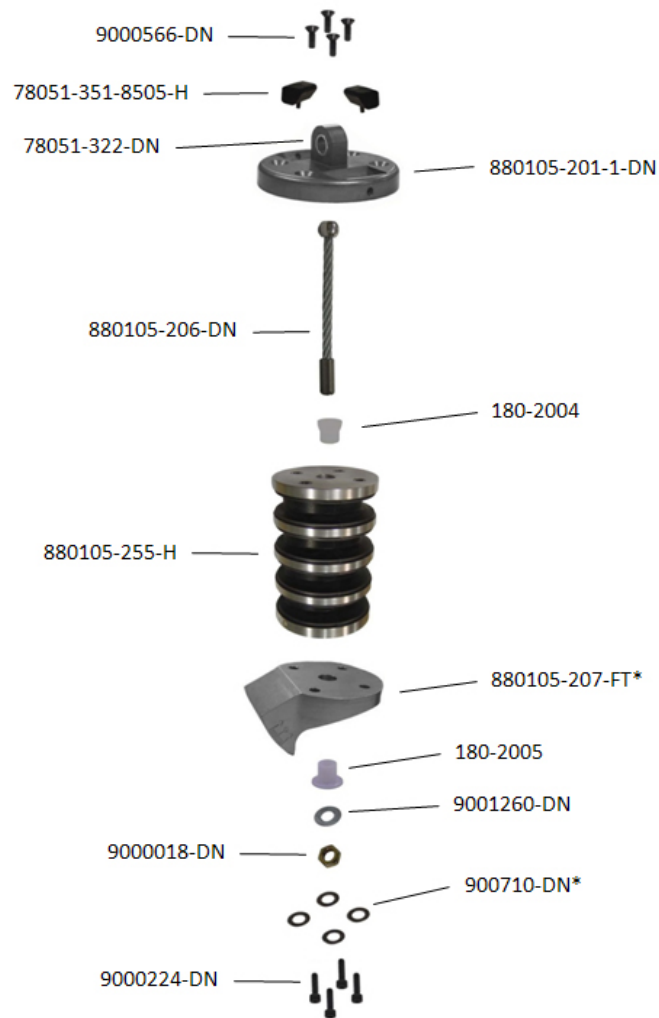
Head Assembly - Harmonized

Part Number	Description	Qty. Req'd Per Dummy
880105-100X-H	Head Assembly, Complete, Tested/Certified* Head machined to accept six-axis neck transducer	1
880105-109-1-H	Head Skin and Skull, Tested/Certified	
880105-109-H	Head Skin Tested/Certified	1
880105-102-DN	Six-Axis Machined Skull	1
880105-102XB-DN	Six-Axis Machined Skull with ballast	
9000624-DN	Screw, SHCS 10-24 x 1/2	4
880105-106-H	Skull Cap Skin	1
880105-103-DN	Skull Cap, Machined	1
78051-383X-DN	Structural Replacement, 6-axis Neck Transducer	1
1717	Pivot Pin, Neck Transducer	1
9000264-DN	Screw, SHCS 1/4 - 28 x 7/8	4
9000677-DN	Stripper Bolt Shim, 1/4 x 3/8 x 1/16	4
9000452-DN	Screw, SSCP 8-32 x 1/4	2

*The Complete Head Assembly is supplied with an accelerometer mount kit free of charge.
Please specify the type required when placing order.

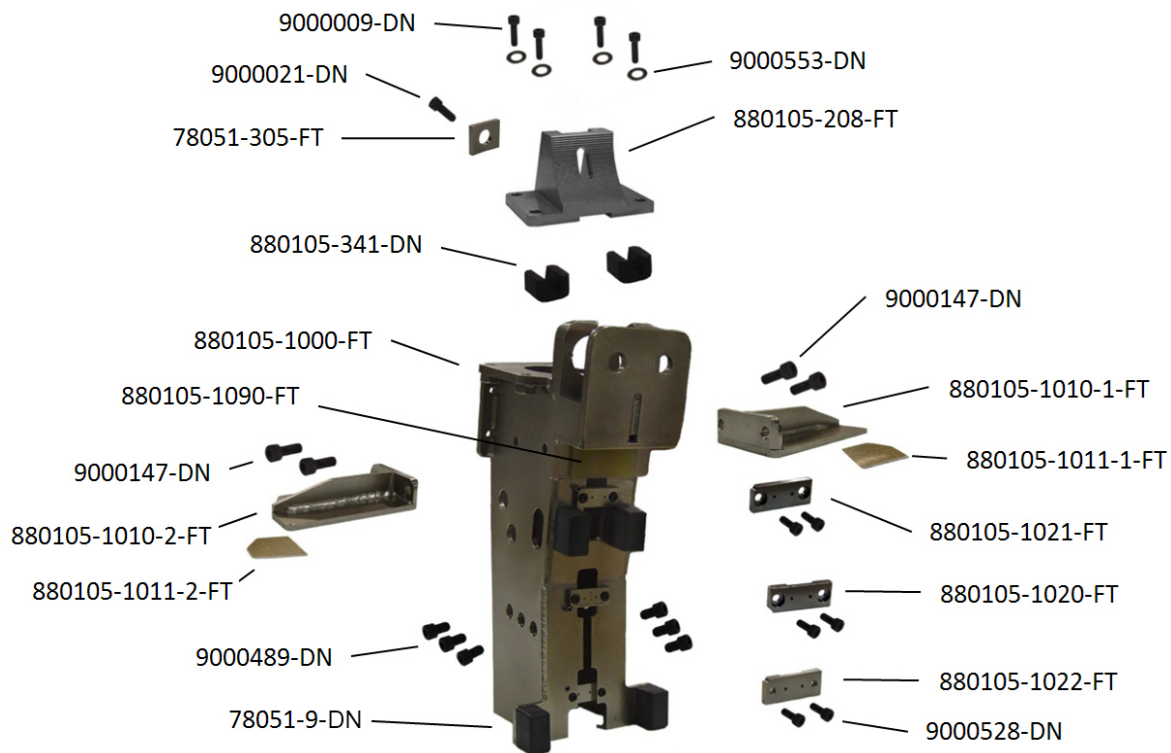
*Accelerometer Mount - Refer to Accelerometer Mount Matrix for Options

Neck Assembly - Harmonized



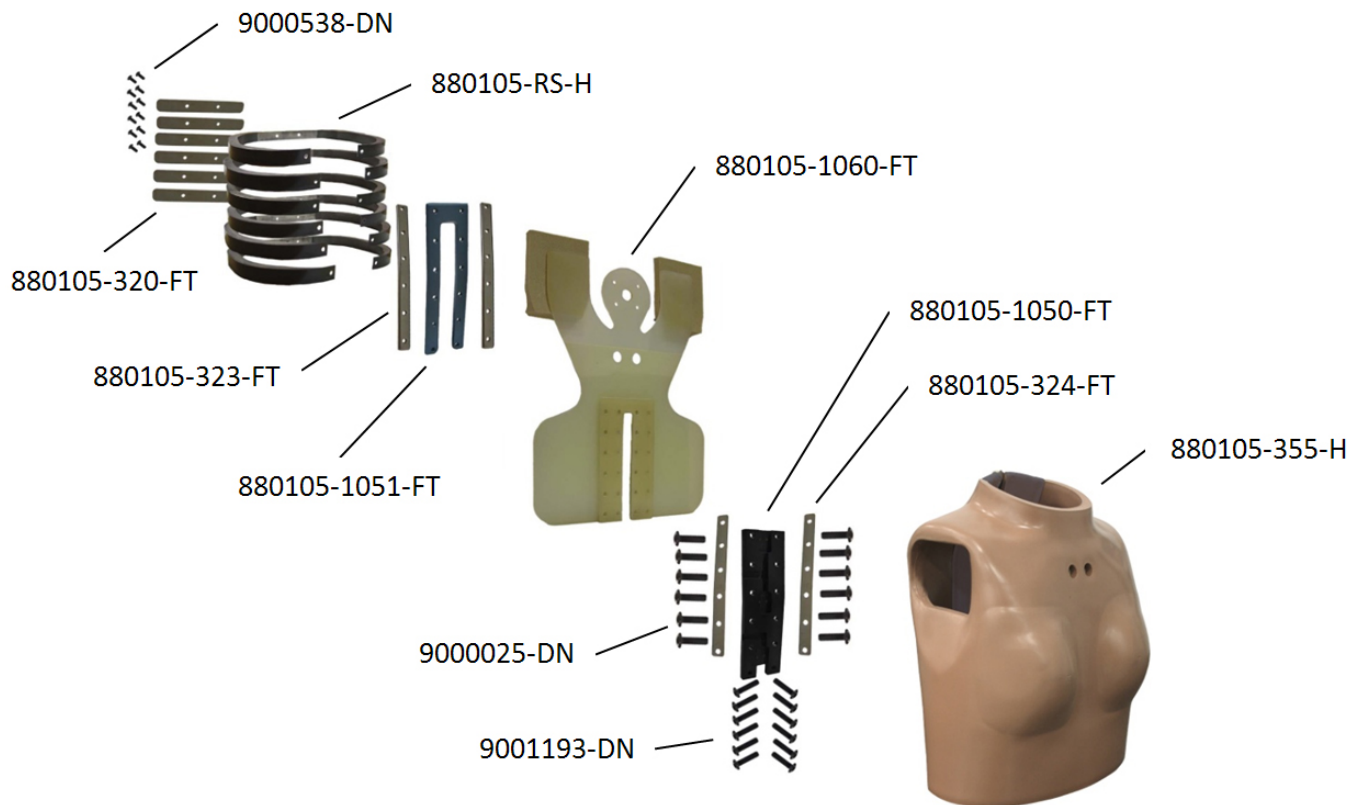
Part Number	Description	Qty. Req'd Per Dummy
880105-250-H	Neck Assembly, Complete, Tested/Certified	1
9000566-DN	Screw, FHCS 10-24 x 5/8	4
78051-351-8505-H	Nodding Block	2
880105-201-1-DN	Nodding Joint Assembly	1
78051-322-DN	Bushing, Nodding Joint, Neck	1
880105-206-DN	Neck Cable	1
180-2004	Upper Bushing	1
880105-255-H	Neck, Molded, Tested/Certified	1
880105-207-FT*	Neck Bracket, Upper	1
180-2005	Lower Bushing	1
9001260-DN	Washer 1.06 OD x .53 ID x .06	1
9000018-DN	Nut, Hex Jam 1/2-20	1
900710-DN	Flat Washer	4
9000224-DN	Screw, SHCS 10-24 x 5/8	4

*PARTS NOT INCLUDED IN THE NECK ASSEMBLY, BUT ARE REQUIRED TO MOUNT NECK TO UPPER TORSO

Thorax Assembly – Harmonized -1

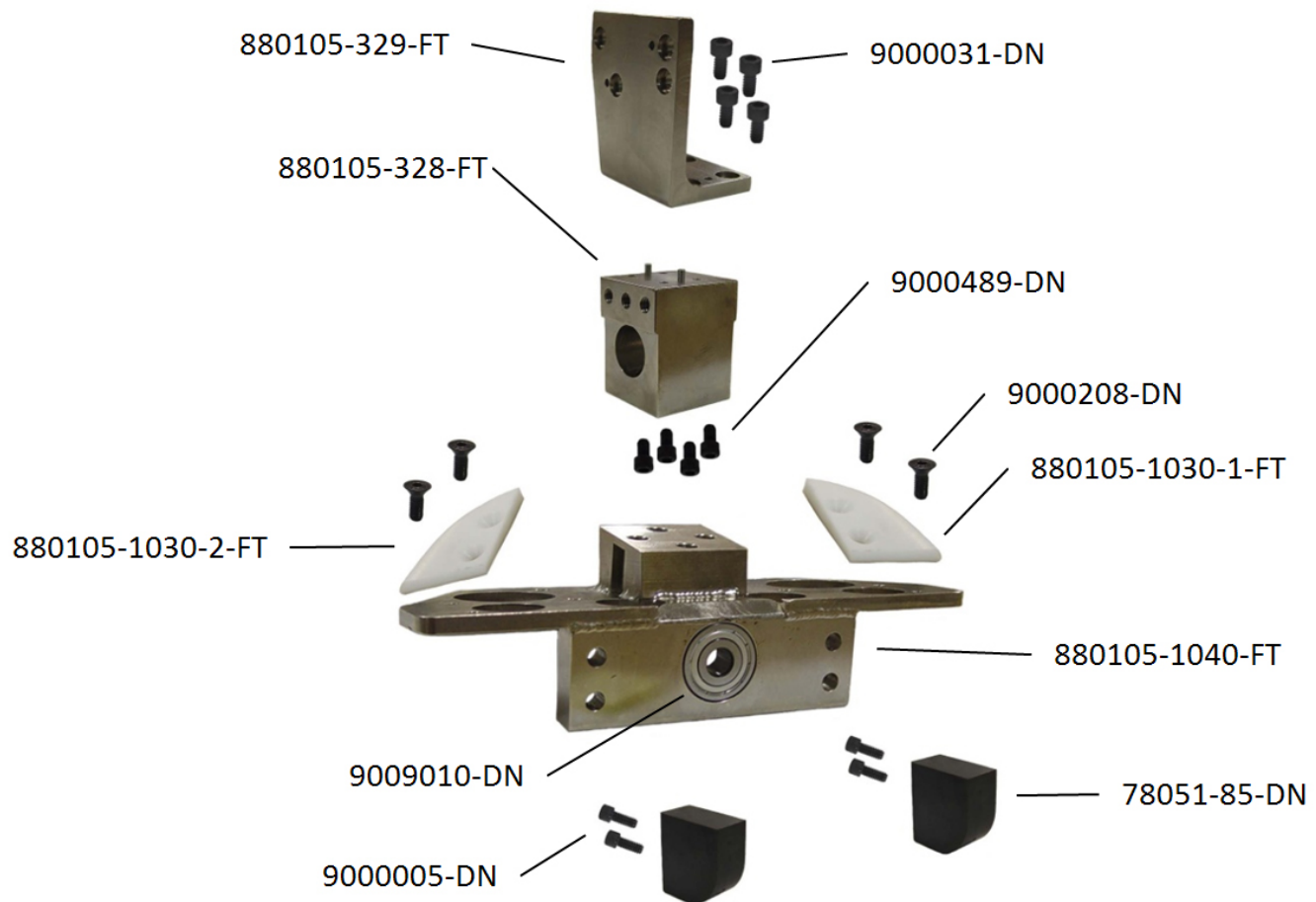
Part Number	Description	Qty. Req'd Per Dummy
880105-300-H	Upper Torso Assembly Complete, Tested/Certified*	1
9000009-DN	Screw, SHCS 1/4-20 x 3/4	4
9000553-DN	Washer	4
880105-208-FT	Neck Bracket, Lower	1
78051-305-FT	Washer, Clamping	1
9000021-DN	Screw, SHCS 3/8-16 X 1	1
880105-1000-FT	Thoracic Spine	1
880105-341-DN	Bumper Shoulder	2
9000147-DN	Screw, SHCS 10-32 x 1/2	4
880105-1015-1-FT	Upper Rib Stop Assembly, Left	1
880105-1010-1-FT	Upper Rib Stop Left	1
880105-1011-1-FT	Upper Rib Stop Teflon Sheet Left	1
880105-1015-2-FT	Upper Rib Stop Assembly, Right	1
880105-1010-2-FT	Upper Rib Stop Left	1
880105-1011-2-FT	Upper Rib Stop Teflon Sheet Left	1
880105-1090-FT	Spine Front Urethane Pad	1
78051-9-DN	Stop, Sternum	4
9000489-DN	Screw, SHCS 5/16-18 x 1/2	6
880105-1021-FT	Accelerometer Mount Spine, Top	1
880105-1020-FT	Accelerometer Mount Spine, Middle	1
880105-1022-FT	Accelerometer Mount Spine, Bottom	1
9000528-DN	Screw, SHCS 4-40 x 1/4	6

*The Complete Upper Torso Assembly is supplied with an accelerometer mount kit free of charge.
Please specify the type required when placing order.

Thorax Assembly – Harmonized -2

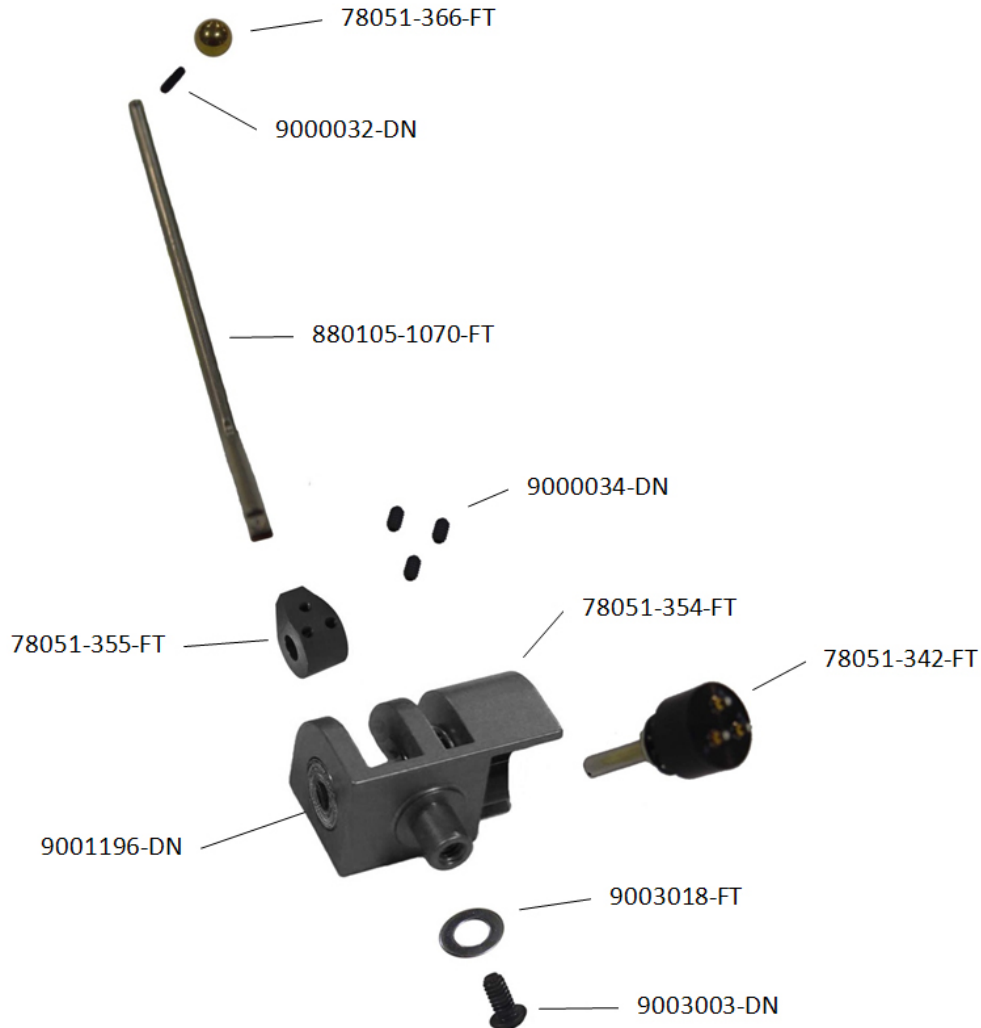
Part Number	Description	Qty. Req'd Per Dummy
880105-300-H	Upper Torso Assembly Complete, Tested/Certified* (cont'd)	
880105-355-H	Chest Flesh and Skin Assembly (w/zipper) SAE Harmonized	1
880105-320-FT	Support, Rib Rear	6
880105-RS-H	Rib Set Complete, Tested/Certified, Harmonized	1
880105-361-1-FT	Individual Rib, Rib # 1, untested	1
880105-361-2-FT	Individual Rib, Rib # 2, untested	1
880105-361-3-FT	Individual Rib, Rib # 3, untested	1
880105-361-4-FT	Individual Rib, Rib # 4, untested	1
880105-361-5-FT	Individual Rib, Rib # 5, untested	1
880105-361-6-FT	Individual Rib, Rib # 6, untested	1
9000538-DN	Screw, BHCS 10-32 x 3/8	12
880105-323-FT	Strip, Front Rib End Threaded	2
880105-1051-FT	Sternum Nut Plate	1
880105-1060-FT	Bib Assembly, Sternum to Ribs	1
880105-324-FT	Plate, Front Rib End Stiffener	2
9000025-DN	Screw, BHCS 10-32 x 5/8	12
880105-1050-FT	Sternum Slider	1
9001193-DN	Screw, BHCS 10-32 x 3/4	12

*The Complete Upper Torso Assembly is supplied with an accelerometer mount kit free of charge.
Please specify the type required when placing order.

Thorax Assembly – Harmonized -3

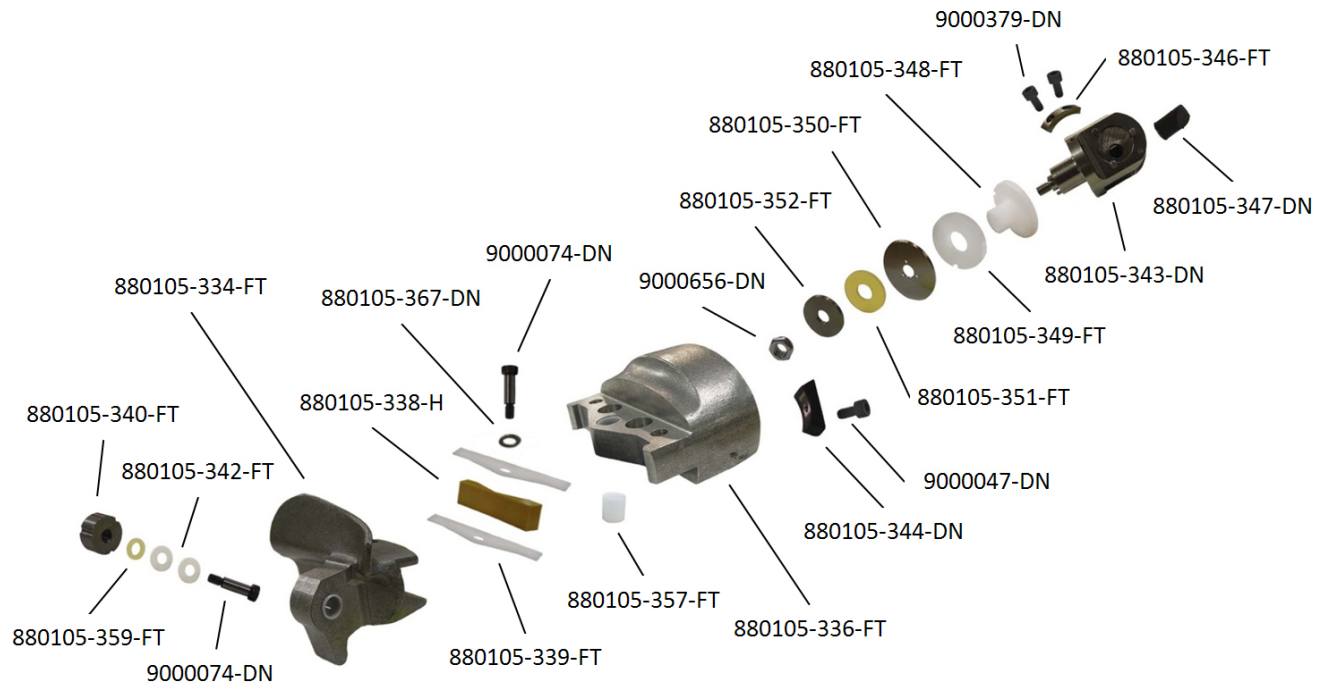
Part Number	Description	Qty. Req'd Per Dummy
880105-300-H	Upper Torso Assembly Complete, Tested/Certified* (cont'd)	
880105-1085-FT	Adaptor Assembly	1
880105-329-FT	Accelerometer Bracket, Chest	1
9000031-DN	Screw, SHCS 10-24 x 5/16	4
880105-328-FT	Load Cell Simulator	1
880105-1040-FT	Spine Mounting Weldment	1
9000489-DN	Screw, SHCS 5/16-18 x 1/2	4
78051-85-DN	Torso Flexion Stop, Molded	2
9000005-DN	Screw, SHCS 1/4-20 x 5/8	4
9000208-DN	Screw, FHCS 10-32 x 1/2	4
880105-1030-1-FT	Lower Rib Stop, Left	1
880105-1030-2-FT	Lower Rib Stop, Right	1

*The Complete Upper Torso Assembly is supplied with an accelerometer mount kit free of charge.
Please specify the type required when placing order.

Transducer Assembly – Harmonized

Part Number	Description	Qty. Req'd Per Dummy
880105-1080-FT	Chest Deflection Transducer Assembly	1
9003003-DN	Screw, BHCS 1/4-20 x 1/2	1
9003018-FT	Washer-Flat .265 x .500 x .032	1
880105-1071-FT	Transducer Arm Assembly	1
880105-1070-FT	Transducer Arm	1
78051-366-FT	Transducer Arm Ball	1
9000032-DN	Screw, SSCP 4-40 x 3/8	1
78051-355-FT	Transducer Arm Connector	1
9000034-DN	Screw, SSCP 4-40 x 3/16	3
78051-430-FT	Potentiometer Bracket Assembly	1
9000033-DN	Pin, Slotted Spring Modified	1
9001196-DN	Bearing	2
78051-354-FT	Potentiometer Bracket without Bearing	1
78051-342-FT	Potentiometer, (Rotary Chest Deflection)	1

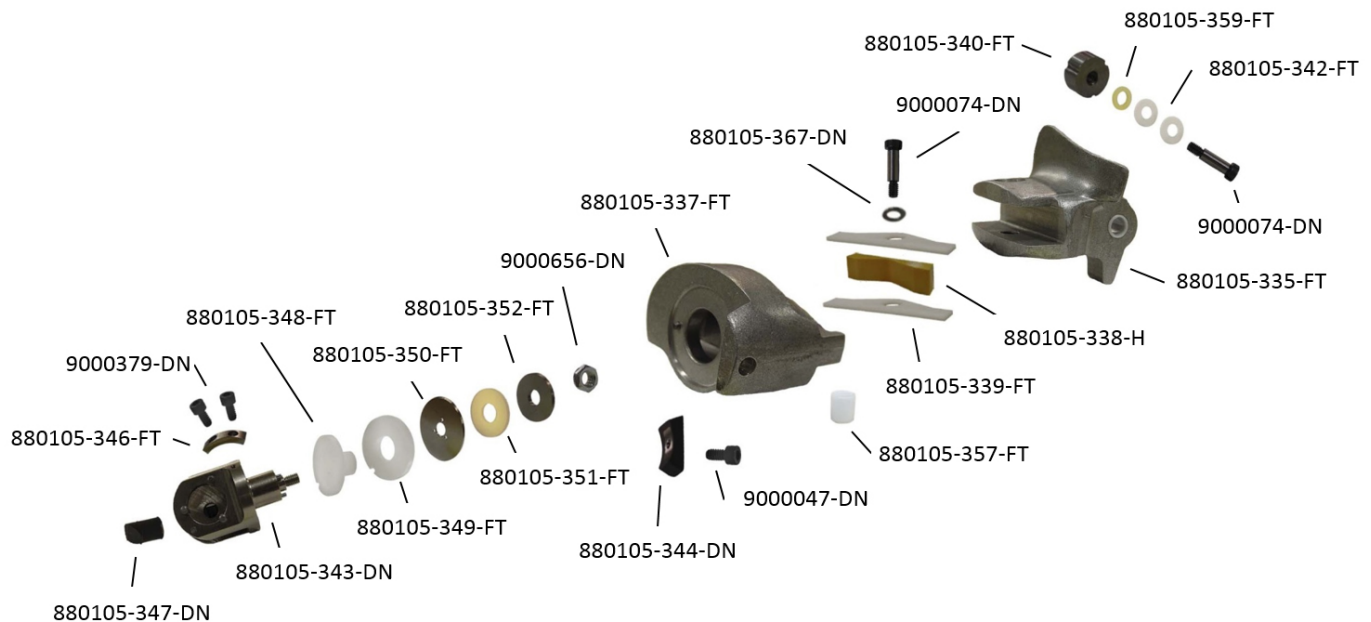
Shoulder Assembly Left – Harmonized



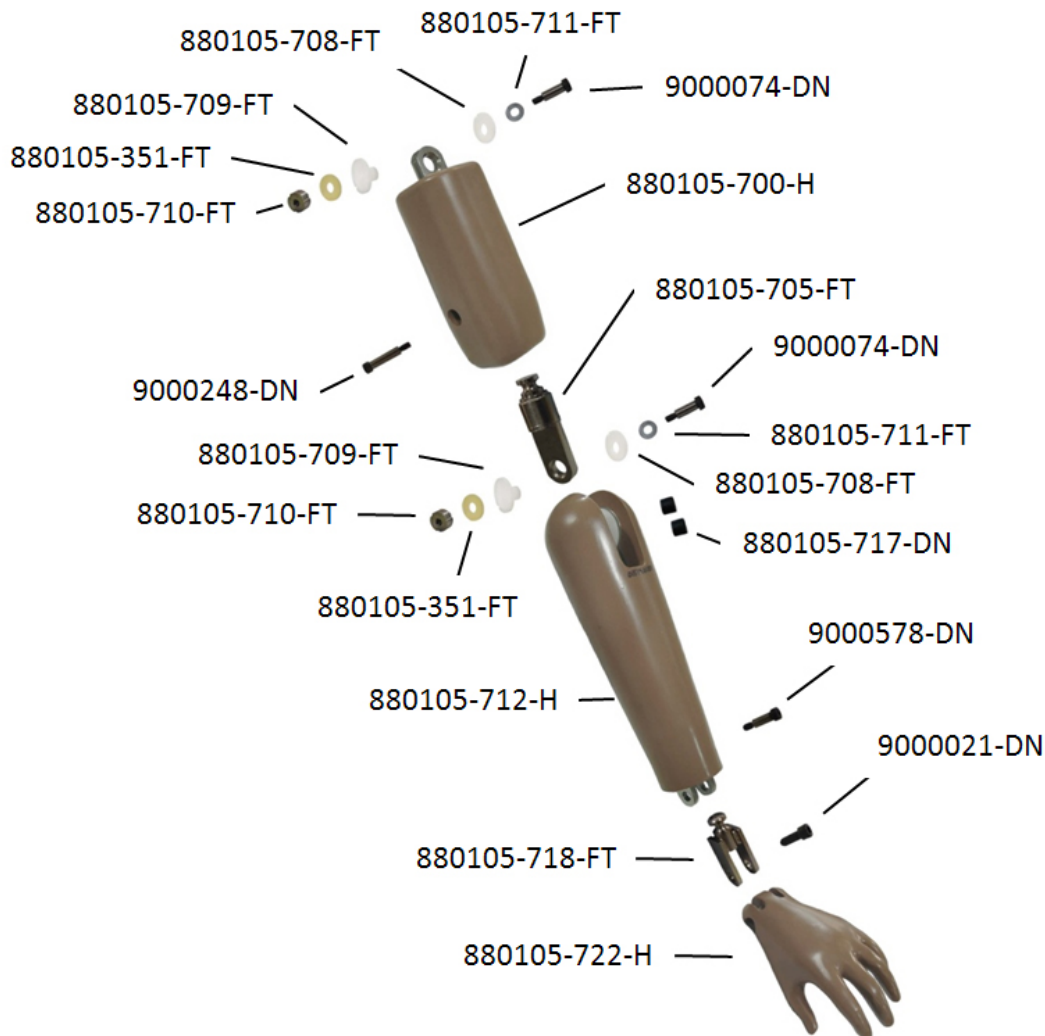
Part Number	Description	Qty. Req'd Per Dummy
880105-300-H	Upper Torso Assembly Complete, Tested/Certified* (cont'd)	
880105-340-FT	Nut, Clavicle Link Pivot	1
880105-342-FT	Washer, Clavicle Link Pivot	2
880105-359-FT	Washer, Clavicle Link	1
9000074-DN	Screw, SHSS 3/8 x 1	1
880105-380-H	Shoulder Assembly Complete, Left	1
880105-367-DN	Washer, Clavicle Link	1
880105-334-FT	Clavicle Link, Machined, Left	1
880105-338-H	Spring, Clavicle Stop	1
880105-339-FT	Spacer, Clavicle	2
9000074-DN	Screw, SHSS 3/8 x 1	1
880105-336-FT	Clavicle, Left	1
880105-357-FT	Bushing Clavicle/Clavicle Link	2
880105-344-DN	Shoulder Stop Assembly (Clavicle)	1
9000656-DN	Nut, Hex Jam 5/16-18	1
880105-352-FT	Washer, Steel	1
9000047-DN	Screw, SHCS 10-24 x 3/8	1
880105-351-FT	Washer, Shoulder Joint Spring	1
880105-350-FT	Washer, Retaining	1
880105-349-FT	Washer, Shoulder Yoke Pivot	1
880105-348-FT	Bushing, Shoulder Yoke Pivot	1
880105-343-DN	Shoulder Yoke	1
880105-347-DN	Shoulder Yoke Stop Assembly	1

880105-346-FT	Stop, Steel	1
9000379-DN	Screw, SHCS 6-32 x 3/8	2

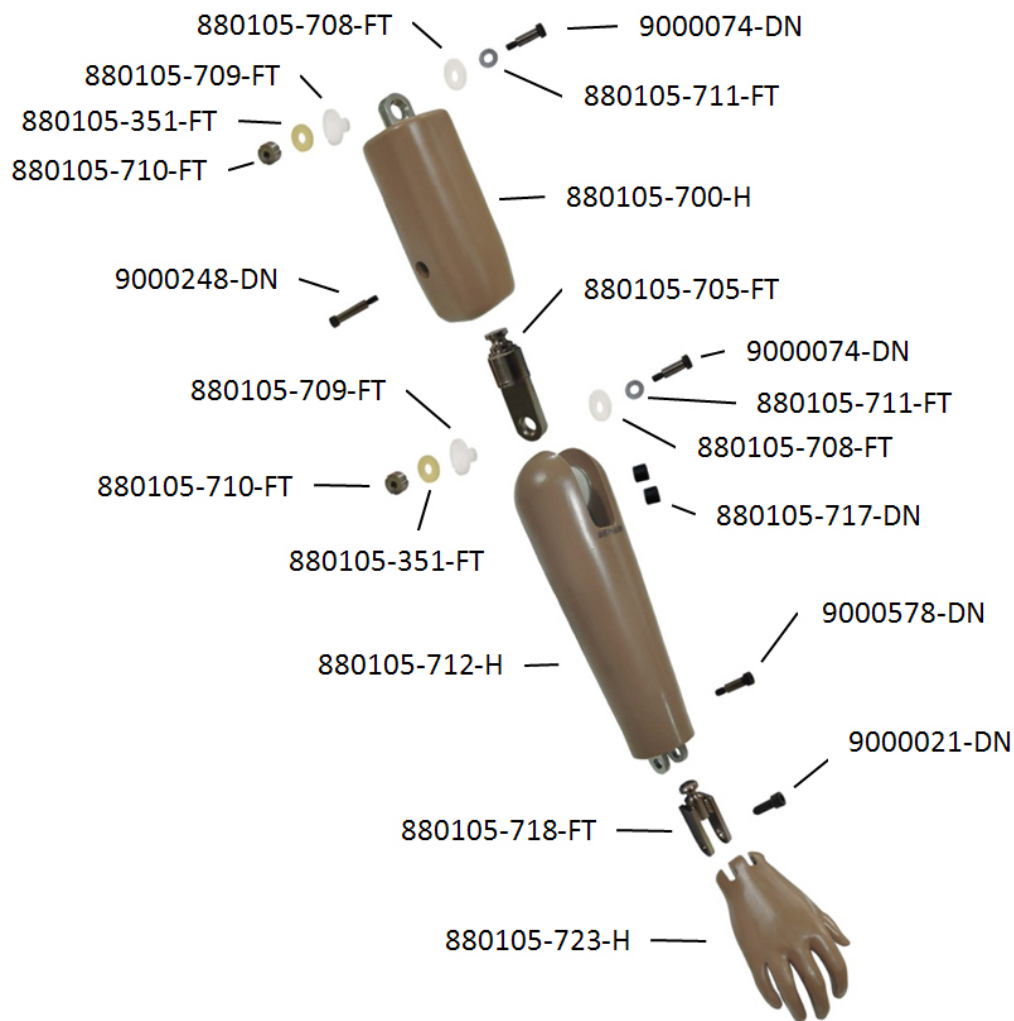
Shoulder Assembly Right – Harmonized



Part Number	Description	Qty. Req'd Per Dummy
880105-300-H	Upper Torso Assembly Complete, Tested/Certified* (cont'd)	
880105-340-FT	Nut, Clavicle Link Pivot	1
880105-342-FT	Washer, Clavicle Link Pivot	2
880105-359-FT	Washer, Clavicle Link	1
9000074-DN	Screw, SHSS 3/8 x 1	1
880105-381-H	Shoulder Assembly Complete, Right	1
880105-367-DN	Washer, Clavicle Link	1
880105-335-FT	Clavicle Link, Machined, Right	1
880105-338-H	Spring, Clavicle Stop	1
880105-339-FT	Spacer, Clavicle	2
9000074-DN	Screw, SHSS 3/8 x 1	1
880105-337-FT	Clavicle, Right	1
880105-357-FT	Bushing Clavicle/Clavicle Link	2
880105-344-DN	Shoulder Stop Assembly (Clavicle)	1
9000656-DN	Nut, Hex Jam 5/16-18	1
880105-352-FT	Washer, Steel	1
9000047-DN	Screw, SHCS 10-24 x 3/8	1
880105-351-FT	Washer, Shoulder Joint Spring	1
880105-350-FT	Washer, Retaining	1
880105-349-FT	Washer, Shoulder Yoke Pivot	1
880105-348-FT	Bushing, Shoulder Yoke Pivot	1
880105-343-DN	Shoulder Yoke	1
880105-347-DN	Shoulder Yoke Stop Assembly	1
880105-346-FT	Stop, Steel	1
9000379-DN	Screw, SHCS 6-32 x 3/8	2

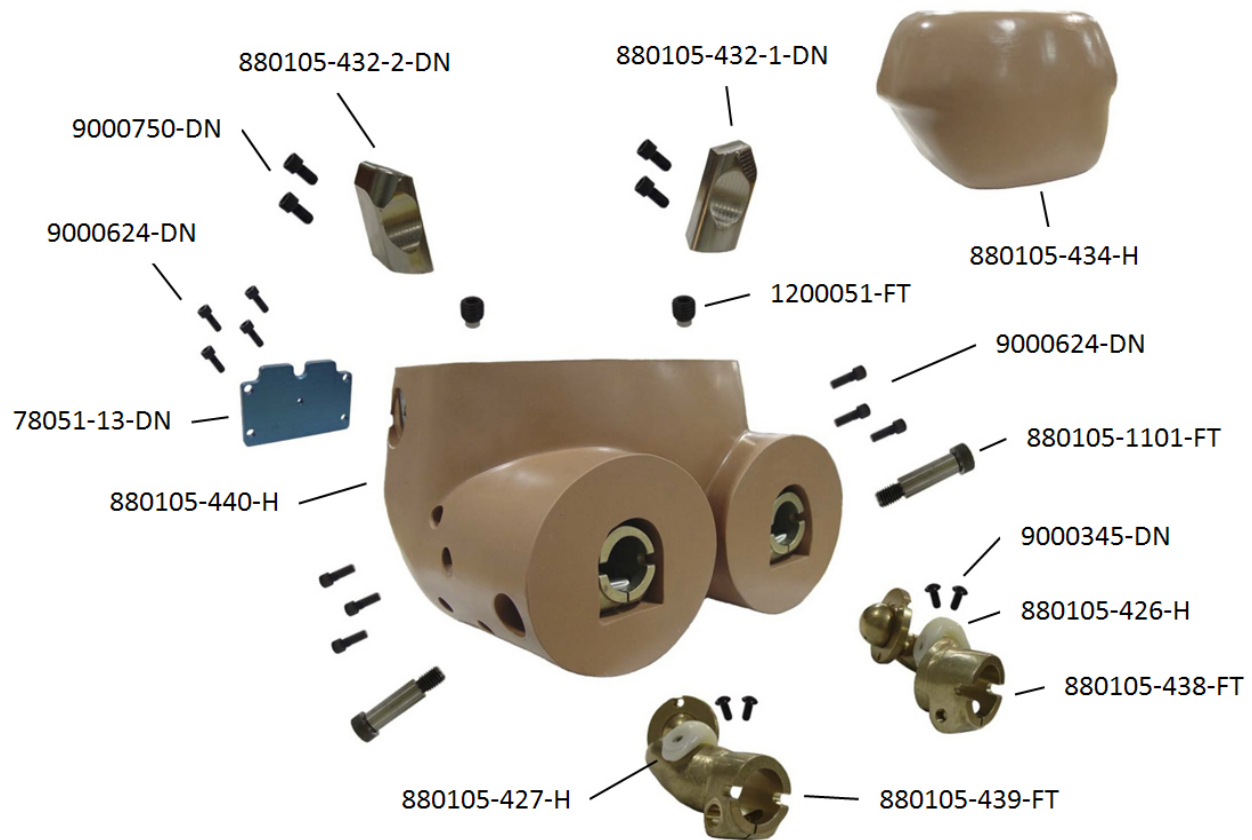
Arm Assembly Left – Harmonized

Part Number	Description	Qty. Req'd Per Dummy
880105-728-1-H	Arm Assembly Complete, Left	1
9000074-DN	Screw, SHSS 3/8 x 1	2
880105-711-FT	Washer, Upper Arm Pivot	2
880105-351-FT	Washer, Shoulder Joint Spring	2
880105-708-FT	Washer, Upper Arm/Elbow Pivot	2
880105-709-FT	Bushing, Upper Arm/Elbow Pivot	2
880105-710-FT	Nut, Upper Arm/Elbow Pivot	2
9000248-DN	Screw, SHSS 5/16 x 1-1/4	1
880105-700-H	Upper Arm Assembly, molded, with flesh	1
880105-705-FT	Upper Arm, Lower Part Weldment	1
880105-712-H	Lower Arm Assembly, molded, with flesh	1
880105-717-DN	Lower Arm Stop Assembly	2
9000578-DN	Screw, SHSS 5/16 x 3/4	1
880105-718-FT	Wrist Rotation Assembly	1
9000021-DN	Screw, SHCS 3/8-16 x 1	1
880105-722-H	Hand Assembly, Left	1

Arm Assembly Right – Harmonized

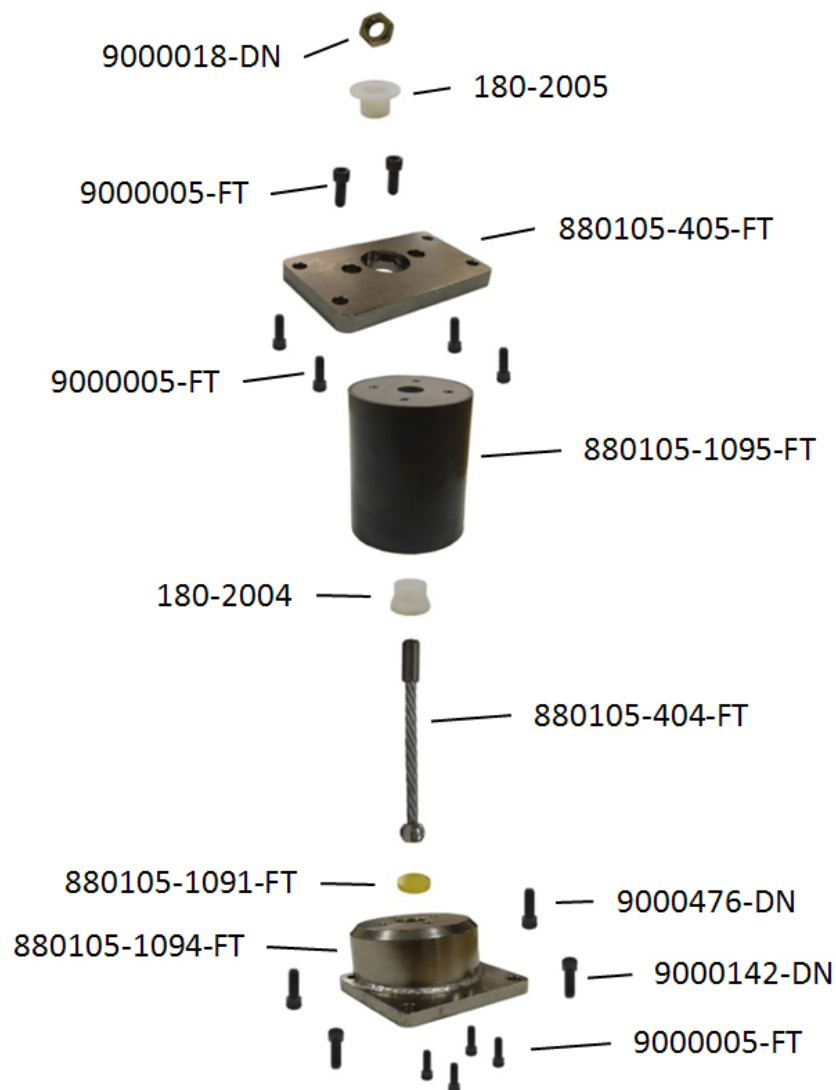
Part Number	Description	Qty. Req'd Per Dummy
880105-728-2-H	Arm Assembly Complete, Right	1
9000074-DN	Screw, SHSS 3/8 x 1	2
880105-711-FT	Washer, Upper Arm Pivot	2
880105-351-FT	Washer, Shoulder Joint Spring	2
880105-708-FT	Washer, Upper Arm/Elbow Pivot	2
880105-709-FT	Bushing, Upper Arm/Elbow Pivot	2
880105-710-FT	Nut, Upper Arm/Elbow Pivot	2
9000248-DN	Screw, SHSS 5/16 x 1-1/4	1
880105-700-H	Upper Arm Assembly, molded, with flesh	1
880105-705-FT	Upper Arm, Lower Part Weldment	1
880105-712-H	Lower Arm Assembly, molded, with flesh	1
880105-717-DN	Lower Arm Stop Assembly	2
9000578-DN	Screw, SHSS 5/16 x 3/4	1
880105-718-FT	Wrist Rotation Assembly	1
9000021-DN	Screw, SHCS 3/8-16 x 1	1
880105-723-H	Hand Assembly, Right	1

Lower Torso Assembly – Harmonized

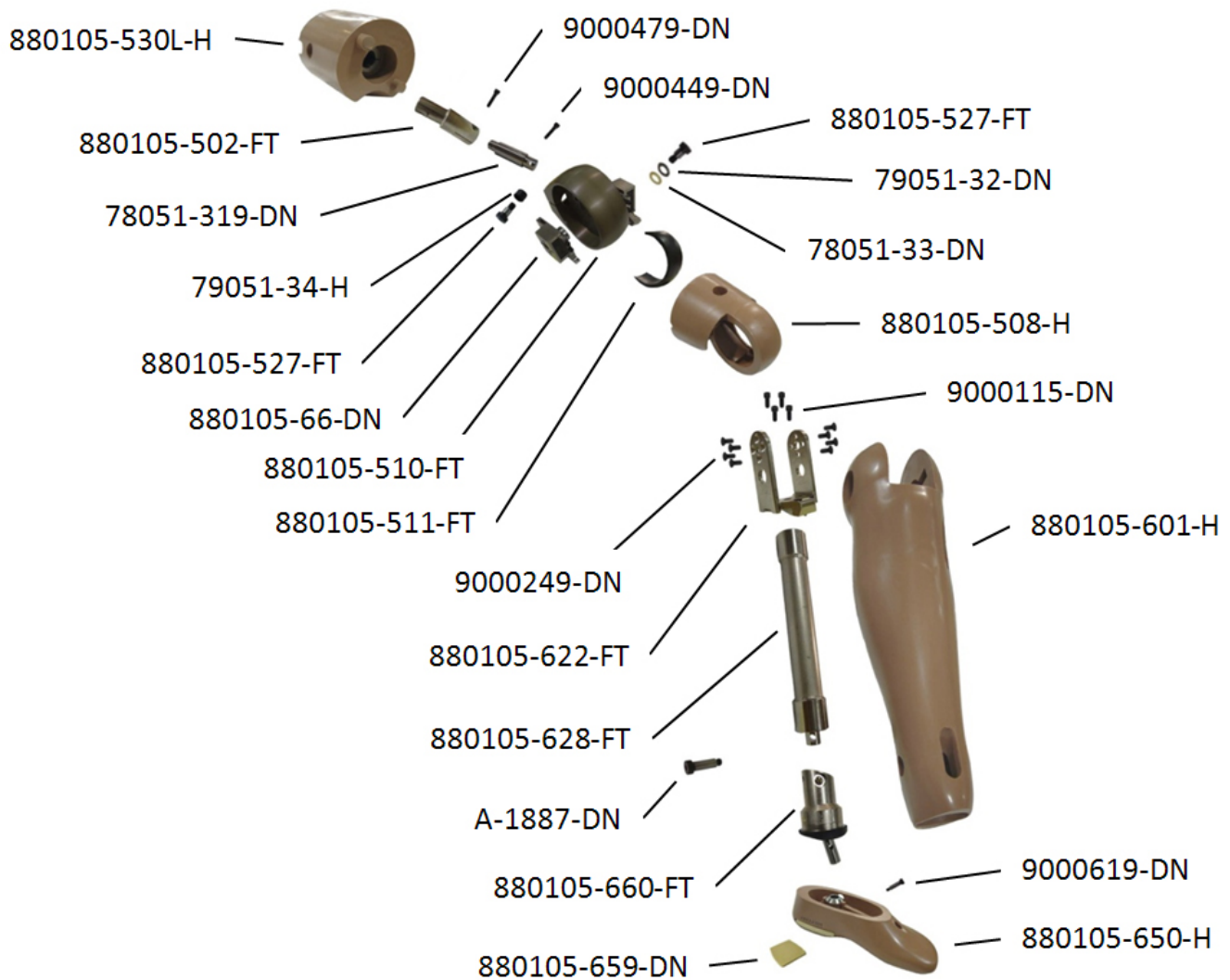


Part Number	Description	Qty. Req'd Per Dummy
880105-450-H	Lower Torso Assembly Complete, Tested/Certified*	1
880105-434-H	Abdominal Insert	1
1200051-FT	Femur Friction Plunger Assembly (Set Screw Assy.)	2
9000624-DN	Screw, SHCS 10-24 x 1/2	10
78051-13-DN	Pelvic Cavity Cover	1
880105-440-H	Pelvis, Molded, Tested and Certified	1
880105-432-1-DN	Simulator, Load Cell Pelvic, Left	1
880105-432-2-DN	Simulator, Load Cell Pelvic, Right	1
9000750-DN	Screw, SHCS 3/8 - 24 x 3/4	4
880105-420-FT	Femur with Bumper, Left	1
880105-438-FT	Femur Machined Assembly, Left	1
880105-426-H	Femur Bumper, Left	1
9000345-DN	Screw, BHCS 8-32 x 3/8	2
880105-421-FT	Femur with Bumper, Right	1
880105-439-FT	Femur Machined Assembly, Right	1
880105-427-H	Femur Bumper, Right	1
9000345-DN	Screw, BHCS 8-32 x 3/8	2
880105-1101-FT	Shoulder Screw Modified	2

*The Complete Lower Torso and Complete Pelvis Assembly is supplied with an accelerometer mount kit free of charge. Please specify the type required when placing order.

Lumbar Assembly – Harmonized

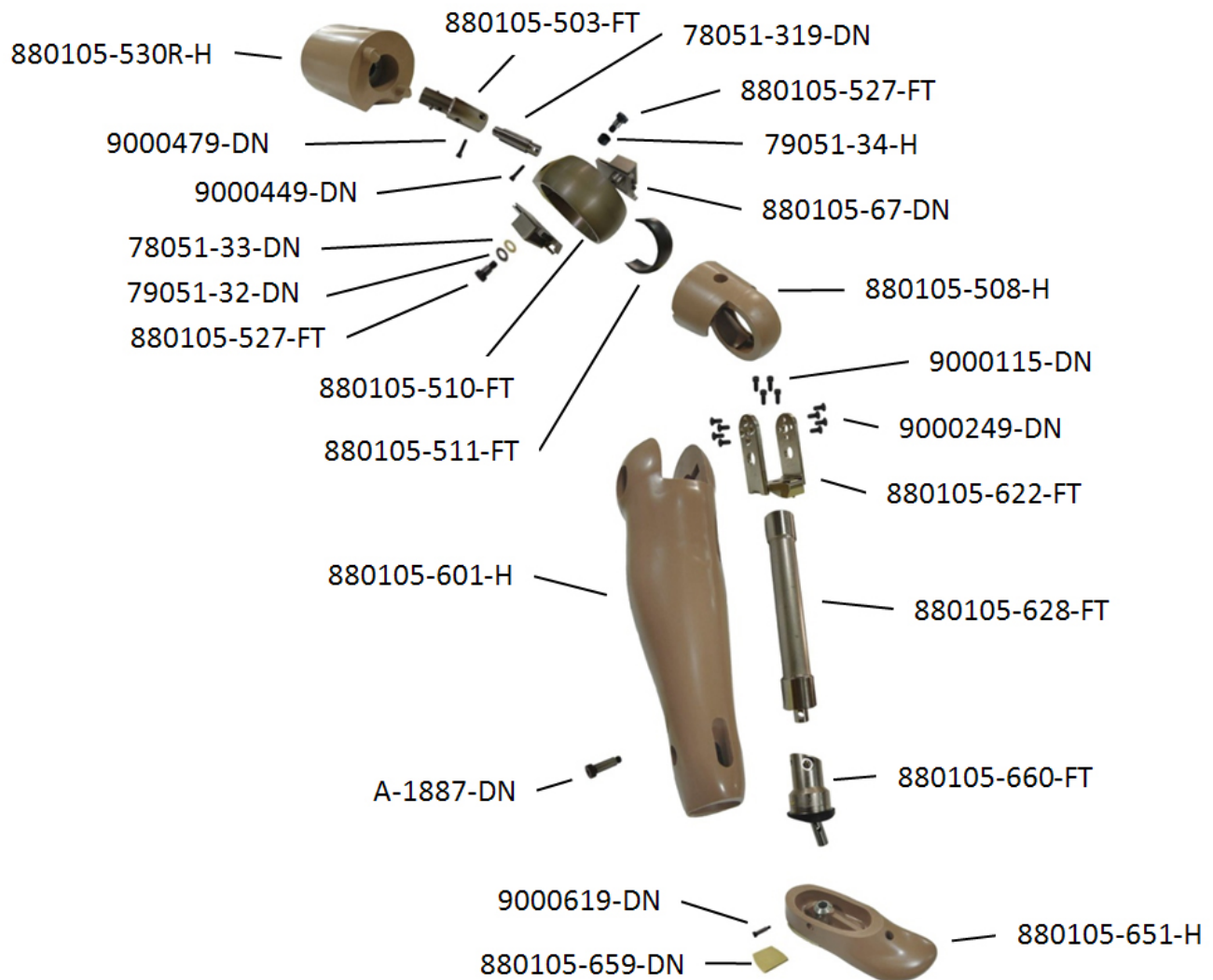
Part Number	Description	Qty. Req'd Per Dummy
880105-450-H	Lower Torso Assembly Complete, Tested/Certified* (cont'd)	1
9000005-FT	Screw, SHCS 1/4-20 x 5/8	10
880105-1096-FT	Lumbar Spine Assembly	1
9000018-DN	Nut, Hex Jam 1/2-20	1
180-2004	Upper Cable Bushing	1
880105-404-FT	Lumber Cable	1
180-2005	Lower Cable Bushing	1
880105-1095-FT	Lumbar Spine Molded, Static Tested	1
880105-405-FT	Lumbar-Thoracic Adaptor	1
880105-1091-FT	Lumbar Pad	1
9000476-DN	Screw, SHCS 5/16-18 x 7/8	2
880105-1094-FT	Lumbar to Pelvic Adaptor Weldment	1
9000142-DN	Screw, SHCS 5/16-18 x 5/8	2

Leg Assembly Left – Harmonized

Part Number	Description	Qty. Req'd Per Dummy
880105-560-1-H	Leg Assembly Complete, Left	1
9000449-DN	Screw, SHCS 3/8-16 x 1-3/4	1
9000249-DN	Screw, FHCS 10-32 x 3/8	8
9000619-DN	Screw, SHSS 1/4 x 5/8	1
880105-500-H	Upper Leg (Thigh) Assembly Complete, Left	1
880105-530L-H	Upper Leg Flesh, Left	1
880105-502-FT	Upper Leg (Thigh) Bone Weldment, Left	1
78051-319-DN	Load Cell Simulator	1
9000479-DN	Screw, SHCS 3/8-16 x 1-1/2	1
880105-66-DN	Knee Slider Assembly, Tested/Certified, Left	1
880105-510-FT	Knee Cap, Machined Assembly	1
880105-511-FT	Knee Insert, Tested/Certified (Rubber)	1
880105-508-H	Knee Flesh/Skin	1
79051-34-H	Rotation Stop Cover	1

880105-560-1-H CON'T

880105-527-FT	Shoulder Bolt, Sliding Knee	2
79051-32-DN	Washer, Sliding Knee	1
79051-33-DN	Compression Washer	2
880105-600-H	Lower Leg Assembly Complete	1
880105-601-H	Lower Leg Flesh	1
880105-603-FT	Lower Leg Structural Replacement	1
9000115-DN	Screw, SHCS 1/4-28 x 1/2	4
880105-622-FT	Knee Clevis Weldment	1
880105-628-FT	Lower Leg Structural Weldment	1
880105-660-FT	Ankle Assembly with Flange	1
	<i>See Detailed Assembly following Knee Slider Assembly</i>	
A-1887-DN	Ankle to Leg Attachment Bolt	1
880105-650-H	Foot Molded 45 Degree, Tested/Certified, Left	1
880105-659-DN	Heel Pad Foam	1

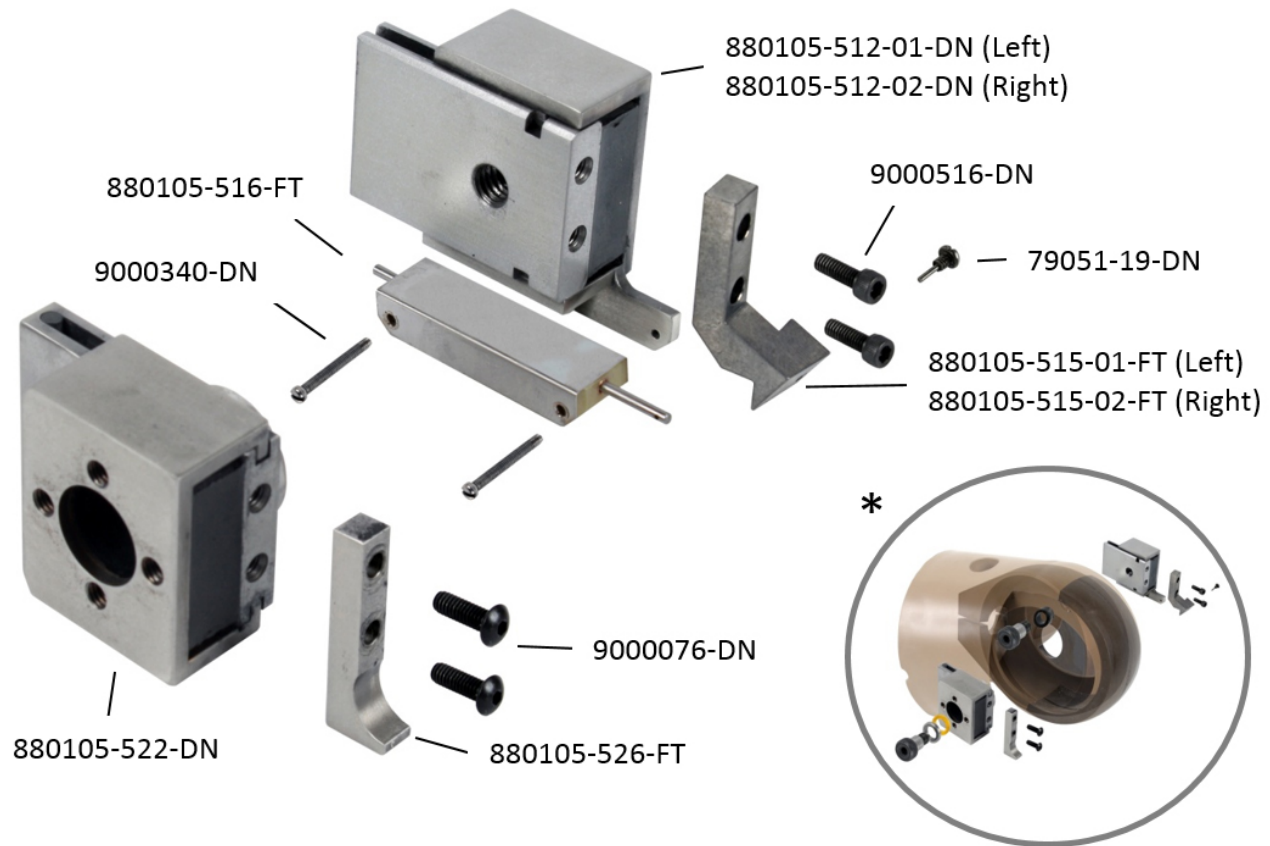
Leg Assembly Right – Harmonized

Part Number	Description	Qty. Req'd Per Dummy
880105-560-2-H	Leg Assembly Complete, Right	1
9000449-DN	Screw, SHCS 3/8-16 x 1-3/4	1
9000249-DN	Screw, FHCS 10-32 x 3/8	8
9000619-DN	Screw, SHSS 1/4 x 5/8	1
880105-501-H	Upper Leg (Thigh) Assembly Complete, Right	1
880105-530R-H	Upper Leg Flesh, Right	1
880105-503-FT	Upper Leg (Thigh) Bone Weldment, Right	1
78051-319-DN	Load Cell Simulator	1
9000479-DN	Screw, SHCS 3/8-16 x 1-1/2	1
880105-67-DN	Knee Slider Assembly, Tested/Certified, Right	1
880105-510-FT	Knee Cap, Machined Assembly	1
880105-511-FT	Knee Insert, Tested/Certified (Rubber)	1
880105-508-H	Knee Flesh/Skin	1
79051-34-H	Rotation Stop Cover	1

880105-560-2-H CON'T

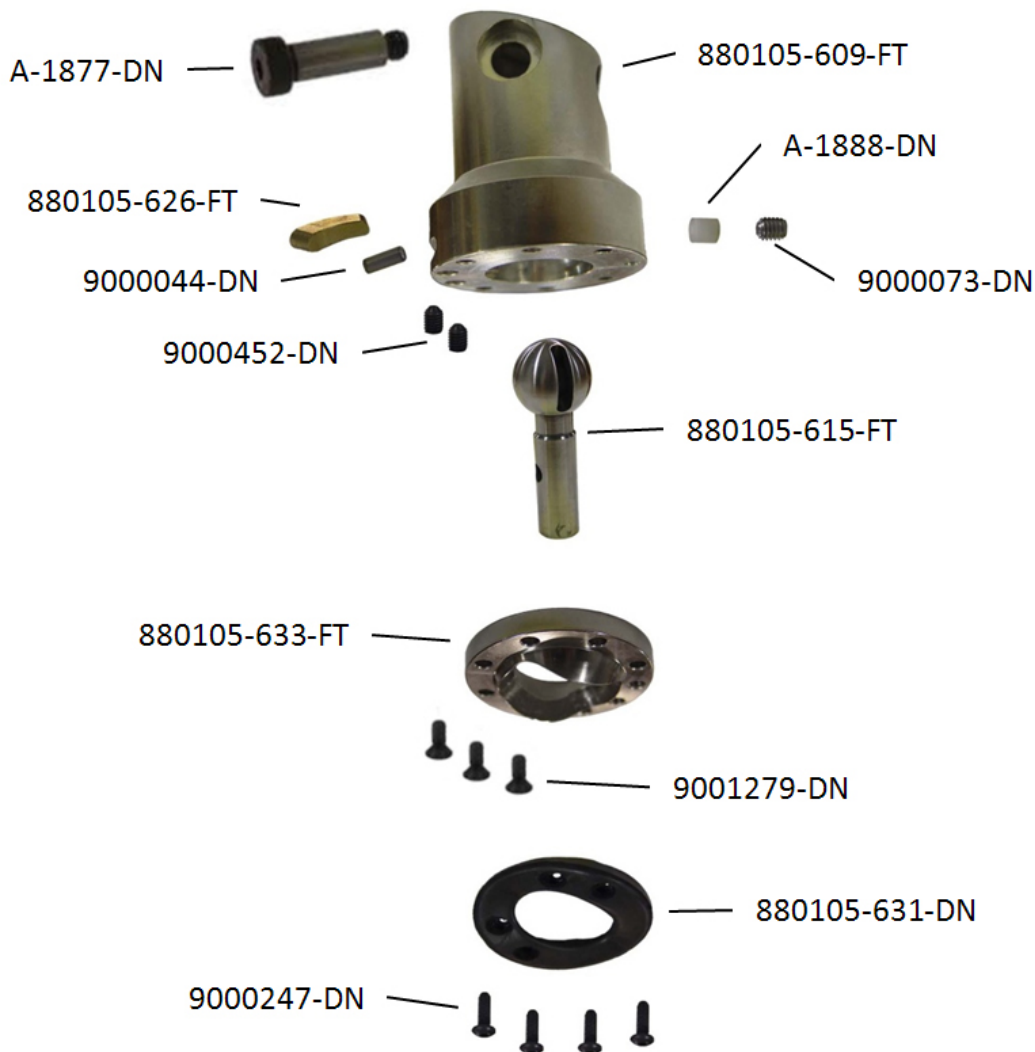
880105-527-FT	Shoulder Bolt, Sliding Knee	2
79051-32-DN	Washer, Sliding Knee	1
79051-33-DN	Compression Washer	2
880105-600-H	Lower Leg Assembly Complete	1
880105-601-H	Lower Leg Flesh	1
880105-603-FT	Lower Leg Structural Replacement	1
9000115-DN	Screw, SHCS 1/4-28 x 1/2	4
880105-622-FT	Knee Clevis Weldment	1
880105-628-FT	Lower Leg Structural Weldment	1
880105-660-FT	Ankle Assembly with Flange	1
A-1887-DN	Ankle to Leg Attachment Bolt	1
880105-651-H	Foot Molded 45 Degree, Tested/Certified, Right	1
880105-659-DN	Heel Pad Foam	1

Friction Knee Slider Assembly Left and Right – Harmonized



Part Number	Description	Qty. Req'd Per Dummy
880105-528L-H*	Sliding Knee Assembly, Left (w/out Pot), Tested	1
880105-66-DN	Knee Slider Assembly, Tested/Certified, Left	1
880105-512-01-DN	Slider, Untested, Inboard, Left	1
880105-522-DN	Slider, Untested, Outboard	1
880105-528R-H*	Sliding Knee Assembly, Right (w/out Pot), Tested	1
880105-67-DN	Knee Slider Assembly, Tested/Certified, Right	1
880105-512-02-DN	Slider, Untested, Inboard, Right	1
880105-522-DN	Slider, Untested, Outboard	1
9000516-DN	Screw, SHCS 8-32 x 1/2	2
880105-515-01-FT	Potentiometer Shaft Support, Left	1
880105-515-02-FT	Potentiometer Shaft Support, Right	1
880105-526-FT	Rotation Stop Arm	1
9000076-DN	Screw, BHCS 8-32 x 1/2	2
79051-19-DN	Pin, Potentiometer Shaft	1
9000340-DN	Screw, RDMS 1-72 x 5/8	2
880105-516	Potentiometer, Linear (Optional)	1

* 880105-528L-H and -528R-H assemblies include all components listed (except potentiometer), plus the knee cap, rubber insert, and knee flesh.

Ankle Assembly – Harmonized

Part Number	Description	Qty. Req'd Per Dummy
880105-660-FT	Ankle Assembly with Flange	1
880105-609-FT	Ankle, Upper Shell	1
880105-633-FT	Ankle, Lower Shell	1
880105-615-FT	Ankle Shaft	1
880105-626-FT	Stop Pin Retainer	1
9000044-DN	Pin, Dowel 3/16 x 3/8	1
A-1888-DN	Ankle Friction Pad	1
9000073-DN	Screw, SSCP 5/16-18 x 3/8	1
9000452-DN	Screw, SSCP 8-32 x 1/4	2
9000247-DN	Screw, BHCS 6-32 x 1/2	4
A-1887-DN	Ankle to Leg Attachment Bolt	1
9001279-DN	Screw, FHCS 6-32 x 1/2	3
880105-631-DN	Ankle Bumper (Rubber)	1

Accelerometer Mounts

Accelerometer Type	Complete Dummy (880105-000-H)	Components		
		880105-100X-H	880105-300-H	880105-450-H
	6-Axis	Head	Chest	Pelvis
Endevco 7231C	880105-7231C-7506-DN	880105-1211E-ASSY-DN	78051-156-ASSY-DN	78051-54-ASSY-DN
Endevco 7264-2000	880105-7264-20006-DN	880105-1211-ASSY-DN	H350-1006-DN	78051-54A-ASSY-DN
7264C-2000	880105-7264C-20006-DN	880105-1211-ASSY-DN	78051-156A-ASSY-DN	78051-54A-ASSY-DN
Endevco 7264A-2000	880105-7264A-20006-DN	880105-1211B-ASSY-DN	78051-156C-ASSY-DN	78051-54C-ASSY-DN
7264B-2000	880105-7264B-20006-DN	880105-1211B-ASSY-DN	78051-156C-ASSY-DN	78051-54C-ASSY-DN
Endevco 7267A	880105-7267A-15006-DN	880105-1211C-ASSY-DN	78051-156B-ASSY-DN	78051-54B-ASSY-DN
Kyowa AS-HA 5MM	880105-KYOWA ASHA5MM-DN	880105-1211P-ASSY-DN	78051-156P-ASSY-DN	78051-54P-ASSY-DN
Kyowa AS-HA 6MM	880105-KYOWA AS-HA6-DN	880105-1211D-ASSY-DN	78051-156D-ASSY-DN	78051-54D-ASSY

Clothes

Part Number	Description	Qty. Req'd Per Dummy
6001481	Shirt	1
6001482	Pants	1
6001525	Shoes, Women's Black Oxford 7 1/2E MIL-S-21711E (pair)	1