

Part 572 Subpart __

THOR-M Advance Frontal Crash Test Dummy
(THOR-M)

PART NUMBER	DESCRIPTION	REV.	No. SHTS.	QTY. Per Ass'y.	QTY. Per Dummy
* 5001176V	Spring Disc Washer, 12.5 x 6.2 x .5	-	-	1	*
* 472-6250	Screw, SHCS, M6 (Modified)	A	1	1	*
* 5000016V	Screw, SHCS M6-1 x 45 mm	-	-	1	*
* 5000356	Screw, BHCS M6-1 x 12	-	-	8	*
* 472-6260	Arm Flesh Spacer	A	1	1	*
* 5000084	Screw, FHCS M5-0.5 x 10 Lg.	-	-	2	*
* 472-6270	Upper Arm Flesh	A	1	1	*
* 472-6600	Washer, Elbow Pivot THOR-M	A	1	1	*
* 472-6590	Bushing, Elbow Pivot	A	1	1	*
* 472-6950	Washer - Shoulder Joint Spring	A	1	1	*
* 472-6610	Nut-Elbow Pivot THOR-M	A	1	1	*
* 472-6520	Lower Arm Molded, THOR-M	A	1	1	*
* 472-6530	Structural Ass'y. Lower Arm - Upper Part	A	1	1	*
* 472-6540	Elbow Yoke	A	1	1	*
* 472-6550	Tube - Lower Arm	A	1	1	*
* 472-6560	Clamp - Wrist Rotation	A	1	1	*
* 5000433	Pin, Dowel M6 x 12 Lg.	-	-	3	*
* 5000280	Pin, Dowel M6 x 12 Lg.	-	-	2	*
* 472-6570	Stop Asm. - Lower Arm THOR-M	A	1	1	*
* 472-6580	Stop, Backing, Lower Arm	A	1	1	*
* 472-6700	Lower Wrist Rotation Ass'y.	A	1	1	*
* 472-6730	Shaft - Wrist Rotation	A	1	1	*
* 472-6710	Lug - Wrist, Upper	A	1	1	*
* 472-6720	Lug - Wrist, Lower	A	1	1	*
* 9001260	Washer, 1.06 OD x .53 ID x .06 Thk.	-	-	1	*
472-6900-2	Hand Asm. Molded, Right THOR-M	A	1	1	1
* 472-6910	Structural Ass'y. - Hand THOR-M	A	1	1	*
* 472-6940	Hand Plate - Outer	A	1	1	*
* 472-6930	Plate - Hand, Inner	A	1	1	*
* 472-6920	Hub, Hand	B	1	1	*
* 5000506	Screw, SHSS M12 x 30 Lg.	-	-	1	*
* 5000492	Screw, SHSS M10 x 25 Lg.	-	-	1	*
* 5000441	Screw, SHCS M12-1.75 x 30 Lg.	-	-	1	*
472-7000-1	Lower Leg Assembly, Complete - Left	B	1	1	1
472-7300	Lower Leg Mechanical Assembly	B	1	1	2
472-7310	Lower Tibia Tube Ass'y.	D	1	1	2
472-7311	Lower Tibia Tube	E	1	1	2
9010423	Igus Iglide J Bearing, 1" OD x 3/4" ID x 1" LG, (Part #JSI-1216-16)	-	-	2	4
9010437	Helical,, M6 x 1 x 6	-	-	10	44
472-7320	Upper Tibia Load Cell Blank	B	1	1	2
472-7315	Tibia Compliant Bushing Ass'y.	A	1	1	2
472-7316	Plunger, Compliant Bushing	C	1	1	2
472-7318	Bushing, Compliant	E	1	1	2
472-7317	Flange, Lower	C	1	1	2
472-7325	Load Cell Blank, Lower Tibia	D	1	1	2
W50-61042	Modified Button Head Shoulder Screw (WorldSID)	C	1	9	18
472-7350	Achilles Spring Tube Mechanical Ass'y.	B	1	1	2
472-7351	Tube Base, Achilles Spring	B	1	1	2
9009073	Helical, M4 x 0.7 x 6mm	-	-	4	8
472-7359	Mock Load Cell, Achilles	G	1	1	2
472-7356	Spring Base Cap, Achilles	D	1	1	2
9000540	Compression Spring		1	1	2
472-7357	Elastomeric Spring Element	C	1	1	2
472-7360	Tube, Achilles Spring	J	1	1	2

1. * Indicates part appears previously

2. No drawings for hardware

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PART NUMBER	DESCRIPTION	REV.	No. SHTS.	QTY. Per Ass'y.	QTY. Per Dummy
472-7358	Foam Compression Element	E	1	1	2
472-7354	Washer, Achilles Primary	B	1	1	2
472-7355	Spring Cap, Achilles	B	1	1	2
9010447	Screw, Set M3 x 0.5 x 3	-	-	1	10
472-7352	Achilles Cable Assembly	B	1	1	2
472-7335	Retaining Bolt, Plunger	D	1	2	4
9005101	Screw, SHCS M6 x 1.0 x 20mm	-	-	1	4
9001445	Screw, FHCS M6 x 12mm Long	-	-	5	10
472-7330	Z Rotation Wedge Ass'y.	B	1	1	2
472-7331	Z Rotation Wedge	A	1	1	2
9010459	Dowel Pin 4mm x 18mm	-	-	2	4
9000058	Screw, SHCS M3 x 12	-	-	1	3
* 9010447	Screw, Set M3 x 0.5 x 3	-	-	1	*
472-7500-1	Ankle Assembly, Left	E	1	1	1
472-7510	Ankle Center Block Ass'y.	E	1	1	2
472-7511	Block Center - Ankle	E	1	1	2
472-7512	Shaft, Torque-Upper Ankle	E	1	1	2
472-7513	Shaft, Torque-Lower Ankle	E	1	1	2
9010444	Pin, Spring 6mm x 22mm	-	-	2	4
472-7515	Washer, Retaining	C	4	4	8
472-7522	Cap, Base-Torque	D	1	4	8
9010445	Screw, BHCS M6 x 1.0 x 12	-	-	8	16
472-7523	Base, Torque-Bottom	F	1	1	2
* 9010437	Helical,, M6 x 1 x 6	-	-	8	*
9005208	Heli-coil, M3 x 0.5 x 6 Lg. SST	-	-	4	8
472-7524	Cylinder, Torque	D	1	18	36
472-7530	Stop Assembly - Dorsi	A	1	2	4
472-7531	Bracket, Front	B	1	1	2
472-7532	Front Stop, Soft	B	1	1	2
472-7540	Ankle Bushing Plate Ass'y.	B	1	2	4
472-7543	Cover, End-Bushing Plate	D	1	1	4
472-7542	Bushing, Ankle	D	1	1	9
9010446	Screw, FHCS M3x0.5 x 16	-	-	4	4
* 9010447	Screw, SHSS m3x0.5 x 3	-	-	2	*
9000873	Screw, FHCS M4 x 0.7 x 12	-	-	4	4
* 9010448	Screw, FHCS M4 x 0.7 x 20	-	-	4	*
472-7560	Bracket, Achilles Pulley	A	1	1	2
9010449	Screw, FHCS M3 x 0.5 x 12	-	-	2	4
472-7561	Shaft, Achilles Cable Pulley	B	1	1	2
9000509	Needle Roller Bearing	-	1	2	4
9000508	Washer	-	1	2	4
9000510	Washer #4	-	-	2	4
472-7562	Pulley, Achilles Cable	C	1	1	2
9010450	Nut, Nylock M3 x 0.5	-	-	2	4
9003049	Screw, BHCS M4 x 0.7 x 8	-	-	7	14
472-7533	Stop Assembly - Eversion	A	1	1	2
472-7535	Bracket, Soft Stop - Lower	B	1	1	4
472-7536	Stop, Eversion Soft	C	1	1	2
472-7534	Stop Assembly - Inversion	A	1	1	2
* 472-7535	Bracket, Soft Stop - Lower	B	1	1	*
472-7537	Stop, Inversion Soft	C	1	1	2
9010332	Screw, BHCS M3 x 0.5 x 8	-	-	4	8
472-7563	Ankle Bolt & Sleeve Ass'y.	D	1	1	2
9010164	Screw, SNCS M8 x 35	-	-	1	2

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2. No drawings for hardware

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PART NUMBER	DESCRIPTION	REV.	No. SHTS.	QTY. Per Ass'y.	QTY. Per Dummy
472-7564	Sleeve, Bolt - Ankle	D	1	1	2
9005135	Clamp, Nylon Loop	A	1	3	6
472-7527	Soft Stop Ass'y., Rear		1	1	1
472-7528	Stop Bracket, Rear Dorsi/Plantar		1	1	1
472-7529	Dorsi/Plantar Sot Stop, Rear		1	1	1
472-7580	Base, Torque-Ankle Top		2	1	2
472-7521	Bushing, Thrust	D	1	1	2
* 9010437	Helical,, M6 x 1 x 6	-	-	4	*
472-7582	Ankle Bushing Plate Assembly - Pot End		1	2	4
472-7583	Plate, Ankle Bushing	A	1	1	4
* 472-7542	Bushing, Ankle	D	1	1	*
472-7585	Retainer, Potentiometer	A	1	2	4
* SA572-S114	Rotary Potentiometer		1	3	*
472-7581	Potentiometer Clamp		1	3	6
9010559	Screw, SHCS M2x0.2 x 4	-	-	6	6
9010560	Screw, SHCS M2x0.4 x 6	-	-	12	12
472-7200	Knee Clevis Weldment	B	1	1	2
472-7214	Bottom Plate, Knee Clevis	C	1	1	2
472-7210	Clevis, Knee - Right	F	1	1	2
472-7212	Clevis, Knee - Left	G	1	1	2
472-7216	Stiffener, Knee Bumper	A	1	1	2
9010040	Heli-Coil M5 x 0.8 x 5 Lg. SST	-	-	2	4
9010688	Pin, Dowel M3 x 8	-	-	1	1
9000826	Screw, FHCS M6-1.0 x 16	-	-	4	4
472-7700-1	Foot Ass'y, Left	B	1	1	1
472-7710	Mounting Plate, Foot	A	1	1	2
472-7712	Mounting Post, Lower	B	1	1	2
472-7714	Mounting Brkt, Heel/Achilles	A	1	1	2
472-7716	Sole Plate, Left	A	1	1	2
472-7717	Padding, Heel	E	1	1	2
9001443	Screw, FHCS M6 x 1.0 x 20	-	-	3	6
* 9000058	Screw, SHCS M3 x 12	-	-	1	*
* 9010446	Screw, FHCS M3 x 0.5 x 16	-	-	2	*
* SA572-S80M	S4 Triaxial Accelerometer Mounting Block	B	1	1	*
9010407	Screw, SHCS M1.4 x 0.3 x 3	-	-	6	12
9000863	Screw, SHCS M2.5 x 16mm Long	-	-	2	4
472-7725-1	Foot Flesh, Left		1	1	2
* SA572-S4	Uniaxial Piezoresistive Accelerometer	F	1	3	*
472-7110	Knee Bumper, Molded	A	1	1	2
472-7111	Back Plate, Molded Bumper	A	1	1	2
472-7115	Shin Guard	A	1	1	2
9003042	Screw, BHCS M5 x 10	-	-	2	4
9010453	Screw, BHCS M6 x 1.0 x 16	-	-	2	4
472-7370-1	Lower Leg Flesh, Left		1	1	1
472-7000-2	Complete Ass'y, Right - THOR-LX	B	1	1	1
* 472-7300	Lower Leg Ass'y	B	1	1	*
472-7500-2	Ankle Assembly, Right	E	1	1	1
* 472-7510	Ankle Center Block Ass'y.	D	1	1	*
* 472-7511	Block Center - Ankle	D	1	1	*
* 472-7512	Shaft, Torque-Upper Ankle	D	1	1	*
* 472-7513	Shaft, Torque-Lower Ankle	D	1	1	*
* 9010444	Pin, Spring 6mm x 22mm	-	-	2	*
* 472-7515	Washer, Retaining	C	4	4	*
* 472-7522	Cap, Base-Torque	D	1	4	*

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2. No drawings for hardware

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PART NUMBER	DESCRIPTION	REV.	No. SHTS.	QTY. Per Ass'y.	QTY. Per Dummy
* 9010445	Screw, BHCS M6 x 1.0 x 12	-	-	8	*
* 472-7523	Base, Torque-Bottom	F	1	1	*
* 9010437	Helical,, M6 x 1 x 6	-	-	8	*
* 9005208	Heli-coil, M3 x 0.5 x 6 Lg. SST	-	-	4	*
* 472-7524	Cylinder, Torque	D	1	18	*
* 472-7530	Stop Assembly - Dorsi	A	1	2	*
* 472-7531	Bracket, Front	B	1	1	*
* 472-7532	Front Stop, Soft	A	1	1	*
* 472-7540	Ankle Bushing Plate Ass'y.	B	1	2	*
* 472-7543	Cover, End-Bushing Plate	D	1	1	*
* 472-7542	Bushing, Ankle	D	1	1	*
9010446	Screw, FHCS M3x0.5 x 16	-	-	4	*
9010447	Screw, SHSS m3x0.5 x 3	-	-	2	*
9000873	Screw, FHCS m4-0.7 x 12	-	-	4	*
9010448	Screw, FHCS M4x0.7 x 20	-	-	4	*
* 472-7560	Bracket, Achilles Pulley	A	1	1	*
* 9010449	Screw, FHCS M3 x 0.5 x 12	-	-	2	*
* 472-7561	Shaft, Achilles Cable Pulley	A	1	1	*
* 9000509	Needle Roller Bearing	-	1	2	*
* 9000508	Washer	-	1	2	*
* 9000510	Washer #4	-	-	2	*
* 472-7562	Pulley, Achilles Cable	C	1	1	*
* 9010450	Nut, Nylock M3 x 0.5	-	-	2	*
* 9003049	Screw, BHCS M4 x 0.7 x 8	-	-	7	*
* 472-7533	Stop Assembly - Eversion	A	1	1	*
* 472-7535	Bracket, Soft Stop - Lower	B	1	1	*
* 472-7536	Stop, Eversion Soft	C	1	1	*
* 472-7534	Stop Assembly - Inversion	A	1	1	*
* 472-7535	Bracket, Soft Stop - Lower	B	1	1	*
* 472-7537	Stop, Inversion Soft	C	1	1	*
* 9010332	Screw, BHCS M3 x 0.5 x 8	-	-	4	*
* 472-7563	Ankle Bolt & Sleeve Ass'y.	D	1	1	*
* 9010164	Screw, SNCS M8 x 35	-	-	1	*
* 9005135	Clamp, Nylon Loop	A	1	3	*
* 472-7527	Soft Stop Ass'y., Rear		1	1	*
* 472-7528	Stop Bracket, Rear Dorsi/Plantar		1	1	*
* 472-7529	Dorsi/Plantar Sot Stop, Rear		1	1	*
* 472-7580	Base, Torque-Ankle Top		2	1	*
* 472-7521	Bushing, Thrust	D	1	1	*
* 9010437	Helical,, M6 x 1 x 6	-	-	4	*
* 472-7582	Ankle Bushing Plate Assembly - Pot End		1	2	*
* 472-7583	Plate, Ankle Bushing	A	1	1	*
* 472-7542	Bushing, Ankle	D	1	1	*
* 472-7585	Retainer, Potentiometer	A	1	2	*
* SA572-S114	Rotary Potentiometer		1	3	*
* 472-7581	Potentiometer Clamp		1	3	*
* 9010559	Screw, SHCS M2x0.2 x 4	-	-	6	*
* 9010560	Screw, SHCS M2x0.4 x 6	-	-	12	*
472-7700-2	Foot Ass'y, Left	B	1	1	1
* 472-7710	Mounting Plate, Foot	A	1	1	*
* 472-7712	Mounting Post, Lower	B	1	1	*
* 472-7714	Mounting Brkt, Heel/Achilles	A	1	1	*
472-7718	Sole Plate Ass'y., Right		1	1	2
* 9010451	Insert, M3 Knurled Threaded Press	-	-	2	*

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2. No drawings for hardware

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(THOR-M)

PART NUMBER	DESCRIPTION	REV.	No. SHTS.	QTY. Per Ass'y.	QTY. Per Dummy
* 472-7717	Padding, Heel	E	1	1	*
0 9001443	Screw, FHCS M6 x 1.0 x 20	-	-	3	*
* 9000058	Screw, SHCS M3 x 12	-	-	1	*
* 9010446	Screw, FHCS M3 x 0.5 x 16	-	-	2	*
* SA572-S80M	S4 Triaxial Accelerometer Mounting Block	B	1	1	*
* 9010407	Screw, SHCS M1.4 x 0.3 x 3	-	-	6	*
* 9000863	Screw, SHCS M2.5 x 16mm Long	-	-	2	*
472-7725-2	Foot Flesh, Right		1	1	2
* SA572-S4	Uniaxial Piezoresistive Accelerometer	F	1	3	*
472-7370-2	Lower Leg Flesh, Right		1	1	1
472-3900	Front/Rear Panel Assembly, Jacket	B	1	1	1
472-3910	Front Panel Assembly, Jacket	C	1	1	1
472-3911	Front Inside Panel Pattern (Neoprene)	B	1	1	1
472-3927	Front Interior Shoulder Patch	A	1	1	1
472-3921	Front Interior Abdomen Patch, Jacket	A	1	1	1
472-3922	Crotch Strap Assembly, Jacket	A	1	1	1
472-3923	Inner Crotch Strap Pattern, Jacket	B	1	1	1
472-3924	Outer Crotch Strap Pattern, Jacket	A	1	1	1
472-3925	Rear Crotch Strap Hook Velcro	A	1	1	1
472-3914	Chest Foam Pocket	A	1	1	1
472-3915-1	Upper Left Foam Pocket	A	1	1	1
472-3915-2	Upper Right Foam Packet	A	1	1	1
472-3913	Stiffener Pocket, Jacket	A	1	1	1
472-3926	Steel Stiffener, Jacket	A	1	4	4
472-3920	Weighted Bib, Jacket	A	1	1	1
472-3912	F+D292ront Outside Panel Pattern (Cordura)	A	1	1	1
472-3918	Front Panel Zipper, Jacket	A	1	2	2
472-3917	Front Panel Shoulder Zipper, Jacket	A	1	2	2
472-3919	Upper Side Foam	A	1	2	2
472-3951	Rear Panel Assembly, Jacket	A	1	1	1
472-3952	Inside Rear Panel Pattern	B	1	1	1
472-3953	Outside Rear Panel Pattern	A	1	1	1
472-3954	Upper Back Foam Pocket	A	1	1	1
472-3955	Mid Back Foam Pocket	A	1	1	1
472-3957	Mid Back Foam	B	1	1	1
472-3956	Upper Back Foam	A	1	1	1
472-3958	Rear Panel Loop Velcro	A	1	1	1
472-3959	Rear Panel Shoulder Hook Velcro	A	1	1	1
6004278	Pants, Thermal, Large	-	-	1	1
472-2900	Neck Foam Assembly	C	1	1	1
472-2910	Neck Foam	C	1	1	1
472-2912	Foam Reinforcement Mesh	B	1	1	1
472-2913	Velcro Hook, Neck Skin	A	1	1	1
472-2914	Velcro Loop, Neck Skin	A	1	1	1
472-2901	Neck Skin Assembly	A	1	1	1
472-2923	Neck Skin Neoprene Pattern	A	1	1	1
472-2921	Neck Skin Rear Zipper	A	1	1	1
472-2922	Neck Skin Cordura Pattern (Outer/Inner)	A	1	1	1
472-2920	Neck/Head Skin Zipper	B	1	1	1
<<< Grounding Straps >>>					
472-8700	Instrument Ground Strap, Head/Neck	B	1	1	1
6002979	Metric Ring Terminal M5 Non-Insulated	-	-	1	3
6002978	Metric Ring Terminal M4 Non-Insulated	-	-	1	4
6002273	Braid, Tinned Copper Tubular 1/8"	-	-	1	6

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PART NUMBER	DESCRIPTION	REV.	No. SHTS.	QTY. Per Ass'y.	QTY. Per Dummy
472-8701	Instrument Ground Strap, Mid Sternum - Mid Sternum	B	1	1	1
* 6002979	Metric Ring Terminal M5 Non-Insulated	-	-	2	*
* 6002273	Braid, Tinned Copper Tubular 1/8"	-	-	1	*
472-8702	Instrument Ground Strap, Thoracic Spine - Thoracic Spine	B	1	1	1
6002981	Metric Ring Terminal M8 Non-Insulated	-	-	2	2
* 6002273	Braid, Tinned Copper Tubular 1/8"	-	-	1	*
472-8703	Instrument Ground Strap, Lumbar Spine - Lumbar Spine	B	1	1	1
6002980	Metric Ring Terminal M6 Non-Insulated	-	-	1	3
* 6002273	Braid, Tinned Copper Tubular 1/8"	-	-	1	*
* 6002978	Metric Ring Terminal M4 Non-Insulated	-	-	1	*
472-8704	Instrument Ground Strap, Femur - Femur	C	1	2	2
* 6002978	Metric Ring Terminal M4 Non-Insulated	-	-	1	*
* 6002273	Braid, Tinned Copper Tubular 1/8"	-	-	1	*
472-8705	Instrument Ground Strap, Femur, Tibia	B	1	2	2
* 6002980	Metric Ring Terminal M6 Non-Insulated	-	-	2	*
* 6002273	Braid, Tinned Copper Tubular 1/8"	-	-	1	*
472-8706	Instrument Ground Strap, Femur, Main Ground		1	2	2
6002272V	High-Flex Grounding Wire, Insulated, #10 AWG	-	-	1	1
6002980	Metric Ring Terminal M6 Non Insulated	-	-	1	1
6002990V	Standard Ring Terminal 3/8" Non Insulated	-	-	1	1
<<< Instrumentation >>>					
* 472-1101	Biaxial Accelerometer Assembly, Head	C	1	1	*
* 472-1200	Accelerometer Mounting Plate Assembly, Head	C	1	1	*
SA572-S112	Ø.0850 Skull Spring Load Cell Thor	A	1	2	2
SA572-S110	Upper Neck Load Cell Thor (Metric)	A	1	1	1
SA572-S111	Lower Neck Load Cell Thor (Metric)	A	1	1	1
SA572-S127	Thoracic Spine Load Cell Thor (Metric)	A	1	1	1
SA572-S128	Acetabulum Load Cell Ass'y. Left		1	1	1
SA572-S119	A.S.I.S. Load Cell	C	1	1	1
SA572-S120	Thor Femur Load Cell	A	1	2	2
* 472-3550	IRTRACC Assembly, Upper Left	E	1	1	*
* 472-3551	Upper IRTRACC Base	B	1	1	*
* SA572-S114	Rotary Potentiometer		1	2	*
* 9002201	Flange Bearing (1/4" O.D. x 1/8" I.D.)	-	-	2	*
* 5000378	M3 Flat Washer Large OD SS	-	-	2	*
* 472-3552	IRTRACC Arm Mounting Bracket, Right	D	1	1	*
* 472-3553	Adaptor, Servo/IRTRACC	C	1	1	*
* 472-3554	Clamp, IRTRACC	D	1	1	*
* 5000578	Screw, SSCP M2.5-0.45 x 3 Lg.	-	-	2	*
* SA572-S117	IRTRACC Chest, THOR-M	A	1	1	*
* 472-8115	Universal Joint, Modified, THOR-M		1	1	*
* 9002660V	U-Joint, Heavy Duty Single Block and Pin 3/8" Dia. X 0.68"	-	-	2	*
* 5000456	Screw, SHCS M2.5-0.4 x 10 Lg.	-	-	1	*
* 5000083	Screw, SHCS M2-0.4 x 8 Lg.	-	-	8	*
* 5001216	M2 Split Lock Washer SS	-	-	8	*
* 472-3560	IRTRACC Assembly, Upper Right	E	1	1	*
* 472-3551	Upper IRTRACC Base	B	1	1	*
* SA572-S114	Rotary Potentiometer		1	2	*
* 9002201	Flange Bearing (1/4" O.D. x 1/8" I.D.)	-	-	2	*
* 5000378	M3 Flat Washer Large OD SS	-	-	2	*
* 472-3562	IRTRACC Arm Mounting Bracket, Left	E	1	1	*
* 472-3553	Adaptor, Servo/IRTRACC	C	1	1	*
* 5000578	Screw, SSCP M2.5-0.45 x 3 Lg.	-	-	2	*
* SA572-S117	IRTRACC Chest, THOR-M	A	1	1	*

1. * Indicates part appears previously
2. No drawings for hardware

Part 572 Subpart __

THOR-M Advance Frontal Crash Test Dummy
(THOR-M)

PART NUMBER	DESCRIPTION	REV.	No. SHTS.	QTY. Per Ass'y.	QTY. Per Dummy
* 5000456	Screw, SHCS M2.5-0.4 x 10 Lg.	-	-	1	*
* 472-3554	Clamp, IRTRACC	D	1	1	*
* 5000083	Screw, SHCS M2-0.4 x 8 Lg.	-	-	8	*
* 5001216	M2 Split Lock Washer SS	-	-	8	*
* 472-3570	IRTRACC Assembly, Lower Right	E	1	1	*
* 472-3571	Upper IRTRACC Base	C	1	1	*
* SA572-S114	Rotary Potentiometer		1	2	*
* 9002201	Flange Bearing (1/4" O.D. x 1/8" I.D.)	-	-	2	*
* 5000378	M3 Flat Washer Large OD SS	-	-	2	*
* 472-3552	IRTRACC Arm Mounting Bracket, Right	D	1	1	*
* 472-3553	Adaptor, Servo/IRTRACC	C	1	1	*
* 472-3554	Clamp, IRTRACC	D	1	1	*
* 5000578	Screw, SSCP M2.5-0.45 x 3 Lg.	-	-	2	*
* SA572-S117	IRTRACC Chest, THOR-M	A	1	1	*
* 472-8110	Universal Joint, Modified, THOR-M	D	1	1	*
* 9002663	U-Joint, Heavy Duty Single Block and Pin 3/8" Dia. X 0.68"	-	-	2	*
* 5000456	Screw, SHCS M2.5-0.4 x 10 Lg.	-	-	1	*
* 5000083	Screw, SHCS M2-0.4 x 8 Lg.	-	-	8	*
* 5001216	M2 Split Lock Washer SS	-	-	8	*
* 472-3580	IRTRACC Assembly, Lower Left	E	1	1	*
* 472-3571	Upper IRTRACC Base	C	1	1	*
* SA572-S114	Rotary Potentiometer		1	2	*
* 9002201	Flange Bearing (1/4" O.D. x 1/8" I.D.)	-	-	2	*
* 5000378	M3 Flat Washer Large OD SS	-	-	2	*
* 472-3562	IRTRACC Arm Mounting Bracket, Left	E	1	1	*
* 472-3553	Adaptor, Servo/IRTRACC	C	1	1	*
* 472-3554	Clamp, IRTRACC	D	1	1	*
* 5000578	Screw, SSCP M2.5-0.45 x 3 Lg.	-	-	2	*
* SA572-S117	IRTRACC Chest, THOR-M	A	1	1	*
* 5000456	Screw, SHCS M2.5-0.4 x 10 Lg.	-	-	1	*
* 5000083	Screw, SHCS M2-0.4 x 8 Lg.	-	-	8	*
* 5001216	M2 Split Lock Washer SS	-	-	8	*
* 472-4203	Tri-Pack Accel. Ass'y.	A	1	1	*
* SA572-S80M	S4 Triaxial Accelerometer Mounting Block, Metric	A	1	1	*
* 5000068	Screw, SHCS M1.4-0.3 x 3 Lg.	-	-	6	*
* SA572-S4	Uniaxial Piezoresistive Accelerometer	F	1	3	*
* SA572-S113	Tilt Sensor, Dual Axis	A	1	5	*
* SA572-S44	Tilt Sensor, Dual Axis	A	1	5	*
SA572-S129	Acetabulum Load Cell Ass'y., Right	1	1	1	1
SA572-S90-L	String Pot, Mini (Left)		1	1	1
SA572-S90-R	String Pot, Mini (Right)		1	1	1
SA572-S32	Five Channel Upper Tibia Load Cell		1	1	2
SA572-S33	Five Channel Lower Tibia Load Cell		1	1	2
SA572-S55	Angular Rate Sensor-1500	B	1	1	1
SA572-S56	Angular Rate Sensor-8K	B	1	1	1
SA572-S57	Angular Rate Sensor-12K	B	1	1	1
SA572-S58	Angular Rate Sensor-18K	B	1	1	1
472-9520	Arrangement of Nine Accel. Array Head		1	NA	NA
472-9500	Upper Neck Assembly - Setup Dimensions	D	1	NA	NA
472-9510	Thorax Mechanical Assembly IRTRACC Offset		1	NA	NA
<<< Erect/Neutral Posture Foams >>>					
472-0011	Lower Abdomen Erect Posture Foam	A	1	1	1
472-0012	Lower Abdomen Neutral Posture Foam	A	1	1	1
<<<< Tools >>>>					

1. * Indicates part appears previously
2. No drawings for hardware

Part 572 Subpart __

THOR-M Advance Frontal Crash Test Dummy
(THOR-M)

PART NUMBER	DESCRIPTION	REV.	No. SHTS.	QTY. Per Ass'y.	QTY. Per Dummy
472-8100	Lifting Bracket Assembly, Thor	B	1	1	1
472-8101	Lifting Bracket Weldment	A	1	1	1
472-8102	Main Bar	A	1	1	1
472-8103	Lower Bar	A	1	1	1
472-8104	Support Bar	A	1	1	1
472-8105	Lower Rod	A	1	2	2
472-8106	Upper Rod	A	1	1	1
W50-84104	Handle, Threaded Hole	B	1	1	1
W50-84106	Handle, Threaded Rod	B	1	1	1
5001121	Screw, SHCS M8-1.25 x 200 Lg.	-	-	1	1
5001120	Screw, SHCS M8-1.25 x 160 Lg.	-	-	2	2
9002905	Shackle, w/Screw Pin 3/8"	-	-	2	2
472-8200	H-Point Gage Assembly		1	1	1
472-8210	Pin Ass'y., H-Point Gage		1	1	1
472-8211	Pin, Tappered, H-Point Gage		1	1	1
472-8212	Disk, H-Point Gage		1	1	1
5000405V	Pin, Dowel M4 x 20	-	-	1	1
5000189V	Roll Pin M3 x 22 SS	-	-	1	1
472-8215	Plate, H-Point Gage		1	1	1
472-8220	Sill Adaptor, H-Point Gage		1	1	1
472-8221	Base, H-Point Sill Adaptor		1	1	1
472-8222	Pin, H-Point Sill Adaptor		1	1	1
5000224	Pin, Dowel M1.5 x 5	-	-	1	1
5000155V	Washer, 4.3mm x 12mm x 1mm	-	-	1	1
5001075	Screw, BHCS M4x0.7 x 6 mm	-	-	1	1
5000152	Screw, SHCS M4-0.7 x 12	-	-	2	2
<<<< Test Fixtures >>>>					
NECK TWIST FIXTURE					
DL472-1000	Neck Twist Fixture	A	1	1	1
DL472-1110	Neck Twist Fixture Top Plate	A	1	1	1
DL472-1130	Neck Twist Fixture End Plate Ass'y., Left, Side Impact	A	1	1	1
DL472-1131	Neck Twist Fixture End Plate, Left, Side Impact	A	1	1	1
* 9000078V	Pin, Dowel Ø3/16" x 3/4"	-	-	2	*
DL472-1140	Neck Twist Fixture Middle Support Plate	A	1	2	2
DL472-1120	Neck twist Fixture End Plate Assembly	A	1	1	1
DL472-1121	Neck Twist Fixture End Plate, Right	A	1	1	1
9000072	Pin, Dowel Ø3/16" x 1/2"	-	-	2	*
SA572-S51	Chest Rotary Potentiometer	B	1	1	1
6138K680	Ball Bearing, 5/8" Bore	-	-	2	2
59925K890	Shaft Coupling, Flexible Bellows	-	-	1	1
DL472-1160	Neck Twist Fixture Pendulum Rod Ass'y.	A	1	1	1
DL472-1161	Neck Twist Fixture Pendulum Collar	A	1	1	1
DL472-1162	Neck Twist Fixture Pendulum Rod	A	1	1	1
DL472-1163	Neck Twist Fixture Pendulum Weight	A	1	1	1
9000268V	Screw, SHCS #10-24 x 1 1/2"	-	-	1	1
DL472-1150	Neck Twist Fixture Shaft Assembly	A	1	1	1
DL472-1151	Neck Twist Fixture Neck Attachment Plate	A	1	1	1
DL472-1152	Neck Twist Fixture Rotation Shaft	A	1	1	1
9000369V	Roll Pin, 3/16 x 1 1/2"	-	-	1	2
* 9000369V	Roll Pin, 3/16 x 1 1/2"	-	-	1	*
9000267V	Screw, SHCS #10-24 x 1"	-	-	6	6
9000828V	Screw, FHCS #8-32 x 1"	-	-	6	6
5000604	Screw, SHCS M6-1 x 16	-	-	4	4
9000591	Screw, FHCS 1/4-20 x 1"	-	-	4	4

1. * Indicates part appears previously
2. No drawings for hardware

Part 572 Subpart __

THOR-M Advance Frontal Crash Test Dummy
(THOR-M)

PART NUMBER	DESCRIPTION	REV.	No. SHTS.	QTY. Per Ass'y.	QTY. Per Dummy
* SA572-S55	Angular Rate Sensor-1500	B	1	1	*
DL472-1180	Neck Twist Fixture Pendulum Spacer	A	1	2	2
9000153V	Screw, SHCS #0-80 x 3/8"	-	-	2	2
DL472-109	Neck Twist Fixture Mounting Plate	A	1	1	1
DL472-1170	Neck Twist Fixture Neck Mounting Adaptor	A	1	1	1
DL472-1171	Neck Twist Fixture Neck Adaptor Plate	A	1	1	1
LOWER ABDOMEN PROBE FACE					
DL472-3000	Lower Abdomen Probe Face Assembly	A	1	1	1
DL472-3030	Lower Abdomen Probe Face Mounting Plate	A	1	1	1
DL472-3020	Low Abdomen Probe Face Connector Plate	A	1	1	1
DL472-3010	Lower Abdomen Probe Face Front Plate	A	1	1	1
9000079	Screw, SHCS 3/8-16 x 1"	-	-	1	1
5000117	Screw, FHCS M8-1.25 x 5	-	-	4	4
DYNAMIC IMPACTOR					
TLX-9000-013	Dynamic Impactor	A	1	1	1
TLX-9000-007	Test Fixture - Pendulum Arm	B	1	1	1
TLX-9000-006	Test Fixture - Impactor Face	C	1	1	1
TLX-9000-001	Test Fixture - Impactor Ballast	A	1	1	1
5000016V	Screw, SHCS M6-1 x 90	-	-	2	2
5000022V	Screw, SHCS M6-1 x 45	-	-	2	2
ACHILLES FIXTURE					
DL472-4000	Achilles Fixture - Complete	A	1	1	1
DL472-4100	Lower Leg Mounting Bracket Ass'y.		1	1	1
DL472-4101	Lower Leg Mounting Bracket		1	1	1
DL472-4102	Leg Mounting Bar	A	1	1	1
DL472-4103	Gusset		1	2	2
DL472-4200	Load Cell Mounting Assembly		1	1	1
DL472-4210	Mounting Bracket Assembly	A	1	1	1
DL472-4211	Load Arm Weldment		1	1	1
DL472-4212	Load Cell Bracket	A	1	1	1
DL472-4213	Gusset		1	2	2
DL472-4214	Pulley Support Angle		1	1	1
DL472-4215	Pulley Bracket		1	1	1
DL472-4216	Load Cell Support		1	1	1
	Teflon Pad, 0.8 [0.03] x 25.4 [1.00] x 76.2 [3.00]	-	-	1	1
5000567V	Screw, Hex HD> Cap M6-1 x 20	-	-	1	1
9009091	Nut, Hex M6-1	-	-	1	1
5000284	Pin, Dowel M3 x 10	-	-	2	2
	Pulley, For 3/16"Ø Wire Rope, .125"Ø Bore x .375"Ø Grove x .1875"Ø Hub Width	-	-	1	1
90002947V	Screw, SHSS 1/8 x 3/8	-	-	1	1
DL472-4202	Draw Screw		1	1	1
9000110	Hex Nut 1/4-28	-	-	1	1
9000101V	Hex Nut, Flanged, 1/4-28	-	-	1	1
DL472-4203	Pull Wire Assembly		1	1	1
	Wire Rope, 7 x 7, Ø0.047"	-	-	1	1
	Wire Rope Oval Compression Sleeve for 3/64"Ø Wire Rope	-	-	1	1
	Wire Rope Stop Compression Sleeve for 3/64"Ø Wire Rope	-	-	2	2
9003725V	Washer, Oversize Flat, ID 0.094" x OD 0.312" x THK. 0.05"	-	-	1	1
5000685V	Thrust Bearing, 1/4" ID	-	-	1	1
5001500V	Load Cell, 25# Cap, LCR-25	-	-	1	1
DL472-4204	Eye Bolt - Modified		1	1	1
LOWER KEG ZERO BRACKET					
DL472-3500	Lower Leg Zero Bracket	A	1	1	1

1. * Indicates part appears previously

2. No drawings for hardware

PART NUMBER	DESCRIPTION	REV.	No. SHTS.	QTY. Per Ass'y.	QTY. Per Dummy
DYNAMIC INVERSION/EVERSION BRACKET					
TLX-9000-015	Test Fixture - Dynamic Inversion/Eversion Bracket	A	1	1	1
TLX-9000-025	Inversion/Eversion Bracket, Attachment Bar		1	1	1
TLX-9000-026	Inversion/Eversion Bracket, Impact Tube		1	1	1
TLX-9000-027	Inversion/Eversion Bracket, Foam Impact Pad		1	2	2
LEG MOUNT					
TLX-9000-004	Test Fixture - Leg Mount		1	1	1
EXTERNAL POSITIONING BRACKET					
TLX-9000-016	External Positioning Bracket		1	1	1
KNEE SLIDER TEST DISTRIBUTION BRACKET					
DL472-5000	Knee Slider Test Distribution Bracket - Ass'y.		1	1	1
DL472-5010	Knee Slider Test Distribution Bracket -Weldment		1	1	1
DL472-5011	Knee Slider Test Distribution Bracket -Impact Plate		1	1	1
DL472-5012	Knee Slider Test Distribution Bracket, Side Plate - Right		1	1	1
DL472-5013	Knee Slider Test Distribution Bracket, Side Plate - Left		1	1	1
DL472-5014	Knee Slider Test Distribution Bracket - Tie Bar		1	1	1
DL472-5015	Knee Slider Test Distribution Bracket - Back Plate		1	1	1
DL472-5020	Knee Slider Test Distribution Bracket - Ballast Weight		1	1	1
5000001	Screw, SHCS M6-1.0 x 20mm	-	-	2	2

1. * Indicates part appears previously

2. No drawings for hardware