



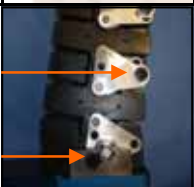
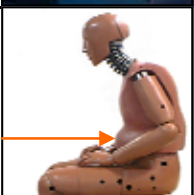




# BIORID MAINTENANCE CHECKLIST

## Draft 9/21/2010




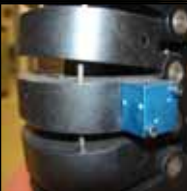






1		MAKE SURE INSTRUMENTATION CABLE STRAIN RELIEFS HAVE LOOPS AS CALLED OUT IN THE PADI section y.zz	
2		MAKE SURE THE SPRING HOUSING HOLDER DOES NOT RIDE UP OVER THE SHCS	
3		CHECK TO SEE IF THE SPRING HOUSING COUPLING IS DEFORMED ALLOWING THE HOUSINGS TO SNAP OUT	
4		VERIFY THE HEAD MASS ASSEMBLY WITH ACCLEROMETERS IS 4.540 +/- 0.045 KG (10.000 +/- 0.10 LB)	
5		MAKE SURE ALL TORSION PLATE FASTENERS ARE TIGHT, BOTH SIDES OF THE DUMMY. INCLUDING THE LOWEST LUMBAR SCREW NOTED WITH AN ARROW	
6		VERIFY THE ABDOMEN CONTAINS THE CORRECT AMOUNT OF WATER (WEIGHT OF JACKET AND PINS SHOULD BE XX +/- 0.YY KG) <i>See PADI section y.zz</i>	
7		MAKE SURE THE JACKET PINS ARE IN THE CORRECT LOCATION AND ARE ALL SECURE	
8		MAKE SURE THE M8 DAMPER MOUNTING SCREW IS TIGHT AND TORQUED TO 5 ft/lbs	

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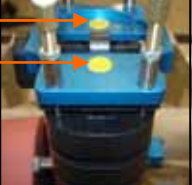





9		<p>IS THE LOCK WASHER UNDER THE M8 DAMPER ATTACHMENT SCREW</p>	
10		<p>CHECK TO SEE THAT THE DAMPER CABLE IS SECURE IN THE DAMPER BODY AND THE TWO CLAMPING SCREWS ARE TIGHTENED</p>	
11		<p>IS THE DAMPER CLAMP TONGUE POSITIONED CORRECTLY IN THE SLOT</p>	
12		<p>CHECK TO MAKE SURE THERE ARE NO KINKS OR BENDS IN ANY OF THE CABLE ASSEMBLIES. AVOID TWISTING THE CABLES DURING THE DUMMY SETUP</p>	
13		<p>WAS THE DAMPER CABLE THE LAST CABLE TO BE ADJUSTED</p>	
14		<p>ARE THE SPLIT BUSHINGS TIGHT IN THE REPLACABLE T1 LOAD CELL</p>	
15		<p>CHECK TO SEE IF THERE IS EXCESSIVE WEAR ON THE CABLE BUSHINGS RESULTING IN AN OVAL APPEARANCE</p>	
16		<p>VERIFY THAT THE CABLE DOES NOT RIDE ON THE SPLIT OF THE BUSHINGS RESULTING IN DRAG</p>	

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17		<p>CHECK THAT THE 4 LOCKNUTS ON THE O.C. PLATE CABLE ADJUSTERS TIGHT</p>	
18		<p>CHECK THAT THE 2 NUTS ON THE LOWER SPRING CABLES ARE INSTALLED AND TIGHT</p>	
19		<p>IF THE YELLOW O.C. BUMBERS ARE COMPRESSED THE HEAD WILL ROCK. VERIFY THAT THERE IS NO PLAY BETWEEN THE O.C. PLATE AND THE HEAD WHEN THE PIN IS INSTALLED</p>	
20		<p>CHECK TO SEE THAT ALL BUMBERS IN THE NECK ASSEMBLY ARE SECURE AND NOT MISSING. CHECK BOTH FRONT AND BACK</p>	
21		<p>CHECK TO SEE THAT ALL BUMBERS IN THE THORACIC AND LUMBAR AREA ARE SECURE AND NOT MISSING. CHECK BOTH FRONT AND BACK OF SPINE</p>	
22		<p>VERIFY THAT THE LATERAL TILT OF THE O.C. PLATE IS ADJUSTED TO 0 DEGREES</p>	
23		<p>NECK BUMBERS MUST BE REPLACED EVERY 4 MONTHS.</p>	
24		<p>THE NECK STABILIZING BRACKET IS BEING USED TO LOCK THE NECK POSITION WHEN THE DUMMY IS NOT IN USE.</p>	

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<b>25</b>		CHECK JACKET STIFFNESS ANNUALLY WITH DYNAMIC IMPACT TEST	
<b>26</b>		CHECK PELVIS STIFFNESS ANNUALLY WITH DYNAMIC BOTTOM AND BACK IMPACT TESTS	
<b>27</b>		VERIFY THAT THE PELVIS FLESH IS NOT PULLING AWAY FROM THE FRONT OF THE BONE (storage issue)	
<b>28</b>		STORE THE DUMMY WITH THE PELVIS AND JACKET SUPPORTED IN A SLIGHTLY RECLINED POSITION	
<b>29</b>		VERIFY THE HEAD SKIN IS CUT OUT UNDER THE CHIN (NOT A H-III50M HEAD SKIN)	
<b>30</b>		MAKE SURE THERE IS NO VISIBLE CABLE DAMAGE	
<b>31</b>		SETUP SPINE BY CAREFULLY FOLLOWING THE PROCEDURE IN THE PADI, section x.yy	
<b>32</b>		VERIFY THE CORRECT SKULL CAP IS BEING USED	

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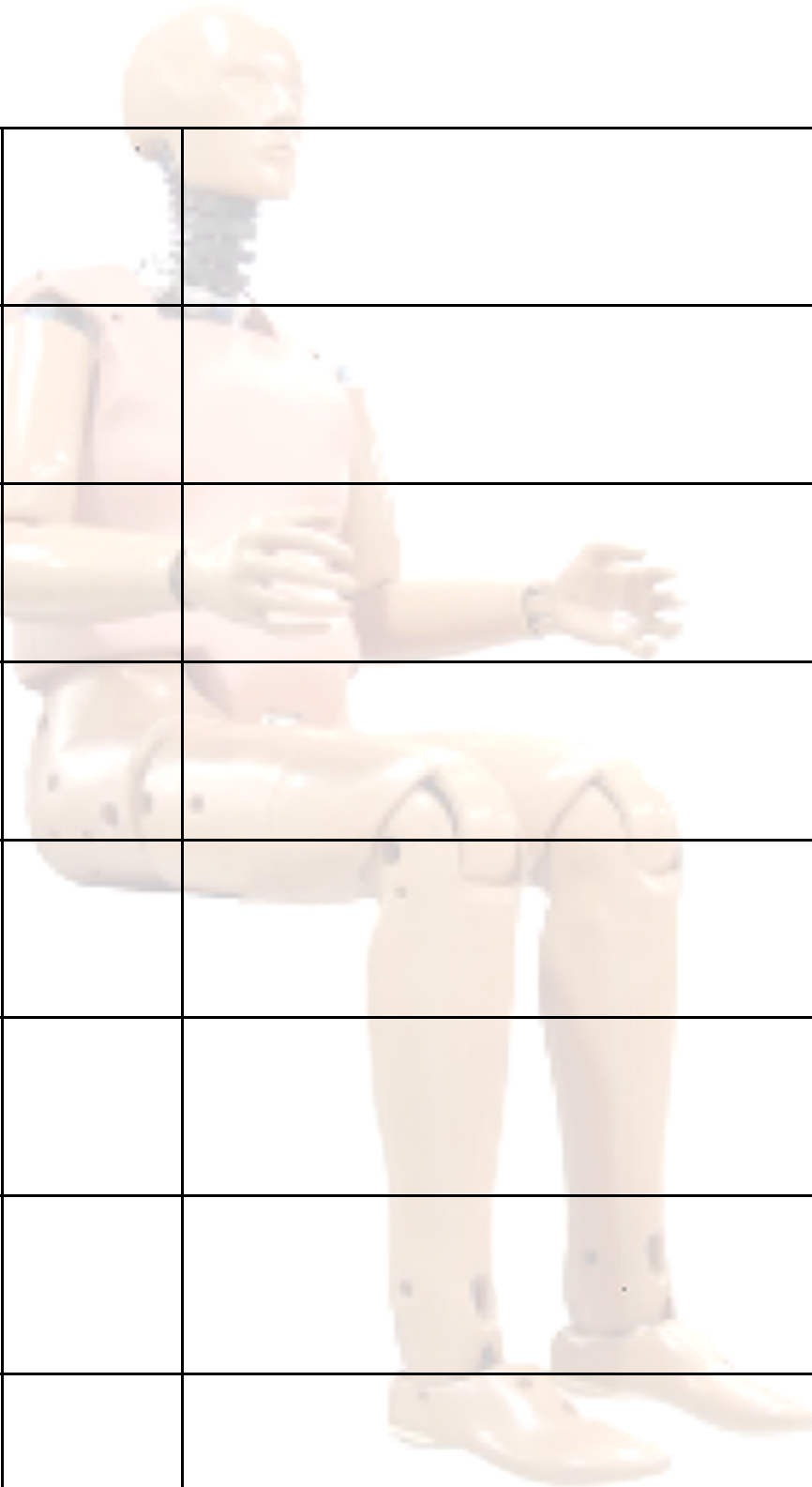
<b>33</b>		INSPECT THE JACKET FOR ANY TEARS. MINOR REPAIRS CAN ACCOMPLISHED WITH RTV. FOR MAJOR TEARS THE JACKET SHOULD BE REPLACED	
<b>34</b>		VERIFY THE TEFLON PAD BEHIND THE DUMMY IS INSTALLED CORRECTLY AND IN THE CORRECT POSITION.	
<b>35</b>		MAKE SURE PLASTIC COVERS ARE STILL IN PLACE ON TOP OF THE CABLES ABOVE THE ADJUSTERS IN THE HEAD.	
<b>36</b>		VERIFY THE SCREWS AT THE BASE OF THE SPINE ARE TIGHTENED AFTER REINSTALLING SPINE INTO THE PELVIS.	
<b>37</b>		ALWAYS USE THE BUMPER INSTALLATION TOOL AND THE PROCEDURE IN THE PADI (section x.yy) TO REPLACE BUMERS.	
<b>38</b>		MAKE SURE THERE IS NO LATERAL PLAY IN THE NECK.	
<b>39</b>		MAKE SURE THE SPINE ADJUSTMENT IS BALANCED SO THAT IT CAN HOLD THE HEAD AT +XX DEGREES AND -YY DEREES ON THE CERTIFICAITON SLED.	
<b>40</b>		VERIFY THE S1 SCREW HAS THE TENSION WASHER AND IS TORQUED TO THE SPECIFICATION	


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<b>41</b>		<b>CHECK NECK HOLES WITH TEST GAGE PINS:          X.XXXX &amp; Y.YYYY SHOULD NOT GO IN          W.WWWW &amp; Z.ZZZZ SHOULD GO IN</b>	
<b>42</b>		<b>FEMUR PLUNGERS ARE SET TO 1-2 G.</b>	
<b>43</b>		<b>ALL ARM AND LEG JOINTS ARE SET AT 1-2 G.</b>	
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