

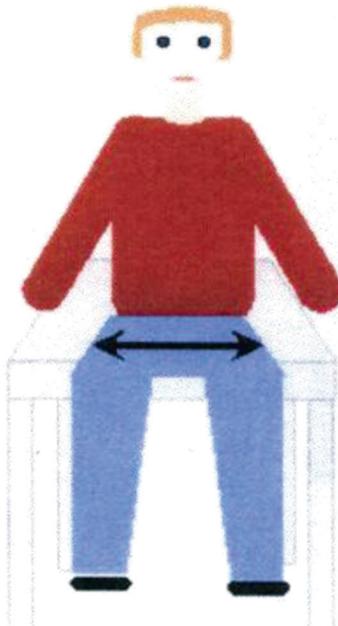
BUTLERBUILT® SEAT MEASUREMENT PROCEDURE

IMPORTANT NOTE: “BUTLERBUILT CUSTOM BUILDS SEATS TO PROPERLY FIT THE DRIVER MEASUREMENTS AND PROPORTIONS. BUTLERBUILT USES ITS OVER 30 YEARS OF SEAT MANUFACTURING EXPERIENCE TO MATCH THE CORRECT SEAT STYLE TO THE INTENDED APPLICATION. ALTHOUGH MOST SEATS MOUNT WITHOUT ANY ISSUES, IT IS IMPORTANT TO NOTE THAT MODIFICATIONS “MAY” BE NECESSARY TO FRAME/CHASSIS, SHEET METAL, COCKPIT CONTROLS AND ACCESSORIES TO PROPERLY COMPLETE SEAT INSTALLATION. BUTLERBUILT IS NOT RESPONSIBLE FOR, NOR OBLIGATED TO PAY FOR SHIPPING OR ISSUE CREDIT ON RETURNS SHOULD THE BUYER DECIDE TO RETURN A SEAT.”

ORDER ACKNOWLEDGEMENT: CHECK BOX INITIAL/DATE _____

PLEASE TAKE YOUR TIME AND BE CAREFUL: *If the procedures are not followed, the seat will not fit the driver correctly.*

It is imperative that all dimensions are **ABSOLUTE STRAIGHT LINES**. A rigid tape measure, steel ruler, or yardstick should be used. If using a tape measure, be sure to keep in a straight line. DO NOT LET THE TAPE FOLLOW THE NATURAL CURVATURE OF THE BODY...THIS WILL SEND MEASUREMENTS TO THE MOON!!! The driver should be wearing relatively tight fitting clothes. Baggy clothing can lead to difficulty in obtaining the proper measurements required. Do not compensate for upholstery materials or driving suits. It is necessary to provide ButlerBuilt with the chasis design and the type of racing the driver is competing in, to determine sitting position under racing conditions. Restraint Systems are important. ButlerBuilt builds seats to be compatible with these systems. To build your seat properly, it is imperative to know weather you are using a “Y” style or individual mount shoulder harness, and what type of Head and Neck Restraint System is being used.



STEP 1

Have the driver sit on a large flat surface, such as a workbench, table or desk. We need this surface as a reference point. The driver's feet will hanging over the side.

PLEASE DO NOT SIT ON THE FLOOR OR A CHAIR!!!

Spread the knees 8" to 10" apart.

Place the tape measure on the outside of the left thigh.

Pull the tape in a **STRAIGHT LINE** across the groin area, to the right outer thigh.

Using two right angle devices laid against the body and measuring between them can accurately simplify this dimension.

BUTLERBUILT® SEAT MEASUREMENT PROCEDURE

STEP 2

Have the driver sit upright with good posture.

Pull the right arm only, straight forward as if holding the steering wheel.

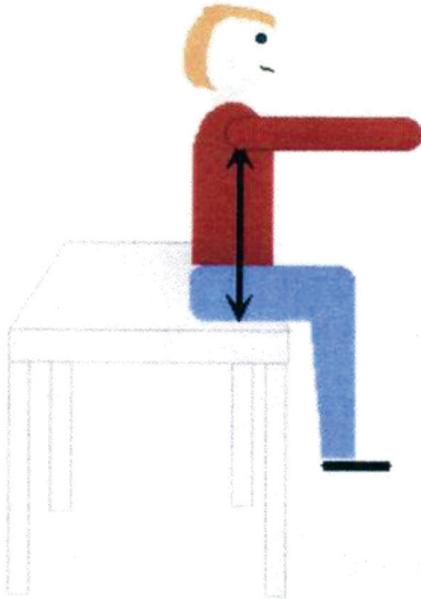
Take a step back and visually see that the shoulders are level.

THIS IS VERY IMPORTANT FOR ACCURACY!

The tendency is that the right shoulder will usually be picked up when the arm is raised, so the driver may need to relax his shoulder to match the left side.

Come around to the right side of the driver's body.

Measure vertically from the table top to the center of the armpit.



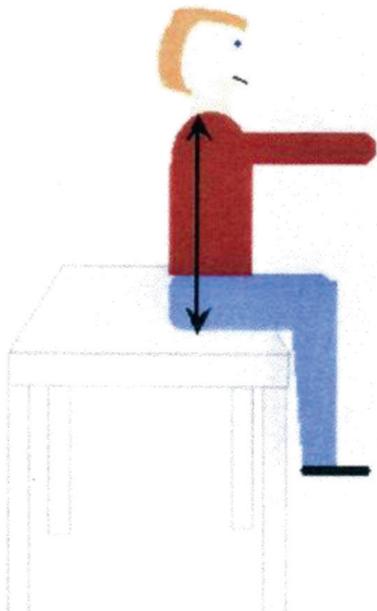
STEP 3

With the driver sitting in the exact same body position, measuring from the right side of the body, take a vertical dimension from the table top to the top of the shoulder.

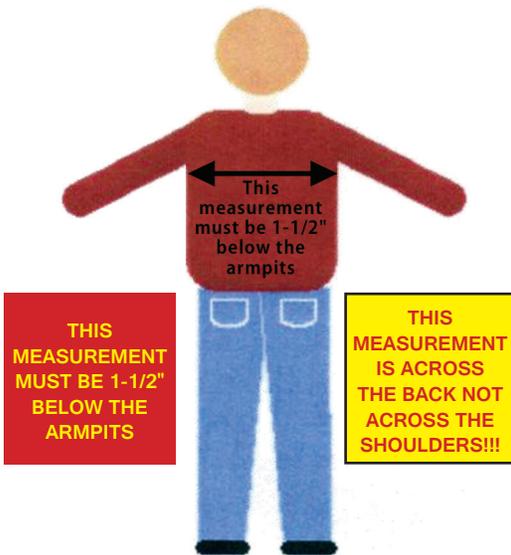
We are most concerned with the area where the shoulder harness will cross over the top of the shoulders, which is the muscular position at the base of the neck.

PLEASE REMEMBER...

STRAIGHT LINE MEASUREMENTS ARE CRITICAL!!!



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STEP 4

THIS IS THE MOST CRITICAL MEASUREMENT

PLEASE TAKE YOUR TIME!

THIS MEASUREMENT IS TAKEN ACROSS THE BACK NOT...FROM SHOULDER TO SHOULDER

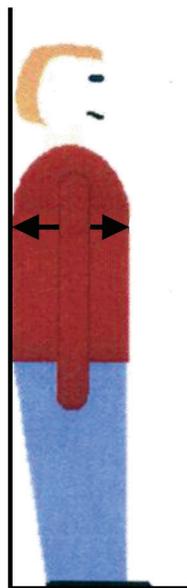
Have the driver stand with his back to you.

Arms should be held away from the body at approximately a 30° angle, with a clear line of sight under the arms.

Place the tape measure 1-1/2" below the armpit.

Starting at this point pull the tape straight across the back to the opposite point 1-1/2" below the armpit.

IT IS ABSOLUTELY IMPERATIVE THAT THIS DIMENSION BE A STRAIGHT HORIZONTAL LINE MEASUREMENT!



STEP 5

This is for the depth of the chest cavity.

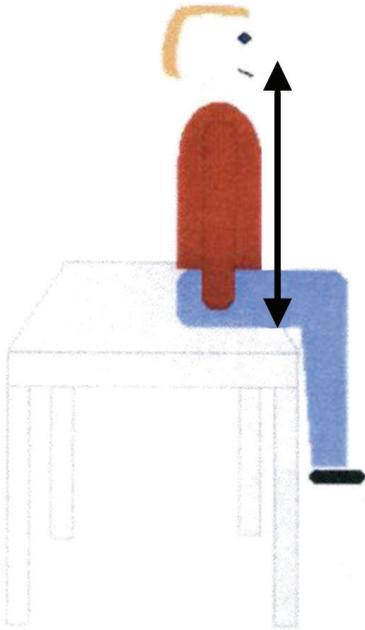
Back the driver up against a flat surface, such as a wall or a door.

Place the measuring tape under the arm.

Measure the distance from the wall to the front of the chest.

THIS IS A STRAIGHT HORIZONTAL LINE MEASUREMENT

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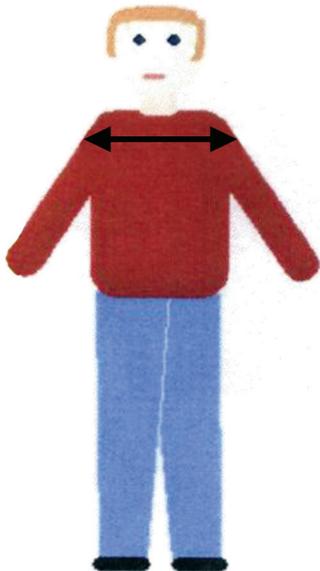


STEP 6

Have the driver sit in an upright position with good spinal posture and looking straight ahead.

Measure from tabletop to the tip of the nose.

THIS SHOULD BE A STRAIGHT VERTICAL LINE MEASUREMENT!



STEP 7

Have the driver face you holding the arms slightly away from the body.

Place the tape measure on the outside of the left arm 2-1/2" below the top of the shoulder.

Take a STRAIGHT LINE measurement from this point on the left arm to the outside of the right arm.

2-1/2" BELOW THE TOP OF THE SHOULDER

These procedures were designed and developed by Brian T. Butler, President of Butler Specialties, Inc. and are protected by copyright for the sole purpose of designing and manufacturing ButlerBuilt Racing Seats.

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BUTLERBUILT® SEAT MEASUREMENT PROCEDURE

DATE MEASURED: _____ SITE MEASURED: _____ BY: _____

For Custom Seat Orders all the information below must be accurately filled in.
If you have any questions please contact us.

DRIVER'S NAME: _____

DRIVER'S BIRTH DATE: _____

SEAT STYLE: _____

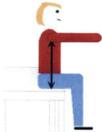
UPHOLSTERY: VELOUR _____ CLOTH _____

UPHOLSTERY COLOR: BLACK _____ RED _____ BLUE _____ GRAY _____

HEIGHT: _____ WEIGHT: _____



MEASUREMENT
FROM STEP 1



MEASUREMENT
FROM STEP 2



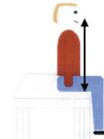
MEASUREMENT
FROM STEP 3



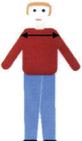
MEASUREMENT
FROM STEP 4



MEASUREMENT
FROM STEP 5



MEASUREMENT
FROM STEP 6



MEASUREMENT
FROM STEP 7

SHOULDER HARNESS: BOLT-IN__ WRAP-AROUND__ LAP BELT: BOLT-IN__WRAP-AROUND__

SEAT BELT STYLE: 5 POINT _____ 6 POINT _____ OTHER: _____

HEAD & NECK RESTRAINT: Necksgen REV _____ HANS _____ HYBRID _____ OTHER _____
(SPECIFY)

TYPE OF RACECAR: _____ CHASIS MANUFACTURER _____

RACING SERIES COMPETING IN: _____

TRACK TYPE: ASPHALT _____ DIRT _____ ROAD RACE _____ OTHER _____
(SPECIFY)

BUTLERBUILT® MOTORSPORTS EQUIPMENT

Mailing Address: PO Box 1270

Harrisburg, NC 28075

Shipping Address: 70 Pitts School Rd NW

Concord, NC 28027

Phone: 800-621-SEAT (7328) Fax: 704-784-1024

www.butlerbuilt.net / sales@butlerbuilt.net

BUTLERBUILT® SEAT MEASUREMENT PROCEDURE

DATE: _____

ACCOUNT NAME: _____

MAIL TO: _____

SHIP TO: _____

CREDIT CARD INFORMATION:

COMMERCIAL _____ RESIDENTIAL _____

NAME ON CARD: _____

MAILING ADDRESS: _____

(CREDIT CARD NUMBER: CALL OR E-MAIL ONLY)

PERSON(S) AUTHORIZED TO PURCHASE:

NAME: _____

TITLE: _____

NAME: _____

TITLE: _____

NAME: _____

TITLE: _____

TELEPHONE: _____

FAX: _____

TELEPHONE: _____

CELL: _____

E-MAIL: _____

WEBSITE: _____

PURCHASE ORDER REQUIRED: _____ YES _____ NO

TAX EXEMPT: _____ YES _____ NO IF YES, TAX NO./STATE _____
(CERTIFICATE REQUIRED)

TYPE OF RACE TEAM: _____

WHERE DID YOU LEARN ABOUT BUTLERBUILT?: _____

AUTHORIZED SIGNATURE: _____ TITLE: _____

FOR OFFICE USE ONLY

ACCOUNT NO. _____ TERMS: _____ CUSTOMER TYPE: _____

PRICE LEVEL: _____ COMPUTER: _____ ROLODEX CARD: _____

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