

AHRMA Suspension Validator

The AHRMA Suspension Validator (ASV) determines if your bike is legal to race by determining if the racers suspension is over the 4 inch limit or not. (ASV) will accept your geometric frame measurements and it will calculate if your suspension is legal or not. If (ASV) determines the bike is not legal it will offer the amount of shims required to become legal. (ASV) offers the option to save the racer info and measurements for future races allowing tech to not have to measure again.

AHRMA Suspension Validator

Racer And Biker Information

Name:

Rider Mattox

Year:

1975

Brand:

Honda

Model:

CR125

Visual Measurement Helper

Suspension Dimensions in Milimeters

Dimension a:

400

Dimension b:

395

Dimension c:

430

Dimension d:

20

Dimension L0:

370

Dimension s:

100

Calculate

Clear

Exit

Racer Data

	Id	Date	RacerName	BikeYear	BikeBrand
▶	15	5/9/2024 11:45 ...	Rider Mattox	1975	Honda
	16	5/9/2024 11:46 ...	Jerry Mattox	1974	Honda
*					

Step By Step Measurements

To use ASV a tape measure in millimeters is required to take the necessary frame measurements described below.

ASV offers a Visual Measurement Helper to guide you through the process.

Step 1: Dimension_a

Measure from swingarm pivot to rear axle.

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Year:
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Brand:
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Model:
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Suspension Dimensions in Milimeters

Dimension a: 400

Dimension b: 395

Dimension c: 430


Dimension d: 20

Dimension L0: 370

Dimension s: 100

Calculate Clear Exit

Visual Measurement Helper



Measure from swingam pivot
to rear axle.

Step 2: Dimension_b

Measure from swingarm pivot to 90 degree point on swingarm below lower shock mount and rear axle.

AHRMA Suspension Validator

Racer And Biker Information

Name:

Year: Brand: Model:

Suspension Dimensions in Milimeters

Dimension a:

Dimension b:


Dimension c:

Dimension d:

Dimension L0:

Dimension s:

Visual Measurement Helper



Measure from swingarm pivot to 90 degree point on swingarm below lower shock mount and rear axle.

Step 3: Dimension_c

Measure from swingarm pivot to the upper shock mount.

AHRMA Suspension Validator

Racer And Biker Information

Name:
Rider Mattox

Year:
1975

Brand:
Honda

Model:
CR125

Suspension Dimensions in Milimeters

Dimension a: 400

Dimension b: 395

Dimension c: 430


Dimension d: 20

Dimension L0: 370

Dimension s: 100

CalculateClearExit

Visual Measurement Helper



Measure from swingarm pivot to the upper shock mount.

Step 4: Dimension_d

Measure from lower shock mount to 90 degree point on swingarm below lower shock mount and rear axle.

AHRMA Suspension Validator

Racer And Biker Information

Name: Rider Mattox

Year: 1975 Brand: Honda Model: CR125

Suspension Dimensions in Milimeters

Dimension a: 400

Dimension b: 395

Dimension c: 430

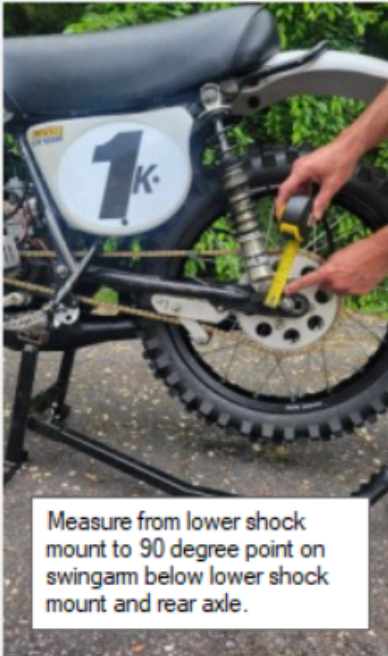
Dimension d: 20

Dimension L0: 370

Dimension s: 100

Calculate Clear Exit

Visual Measurement Helper



Measure from lower shock mount to 90 degree point on swingarm below lower shock mount and rear axle.

Step 5: Dimension_L0

Measure from center of lower shock mount to the center of the upper shock mount.

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Rider Mattox

Year:
1975

Brand:
Honda

Model:
CR125

Suspension Dimensions in Milimeters

Dimension a: 400

Dimension b: 395

Dimension c: 430

Dimension d: 20

Dimension L0: 370

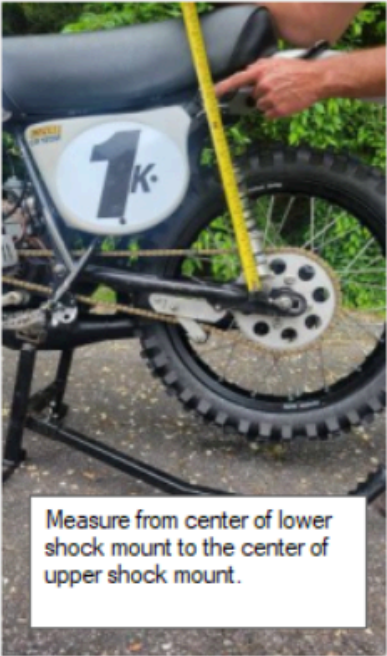
Dimension s: 100

Calculate

Clear

Exit

Visual Measurement Helper



Measure from center of lower shock mount to the center of upper shock mount.

Step 6: Dimension_s

Measure the entire length of the internal shock shaft.

AHRMA Suspension Validator

Racer And Biker Information

Name:

Year: Brand: Model:

Suspension Dimensions in Milimeters

Dimension a:

Dimension b:


Dimension c:

Dimension d:

Dimension L0:

Dimension s:

Visual Measurement Helper

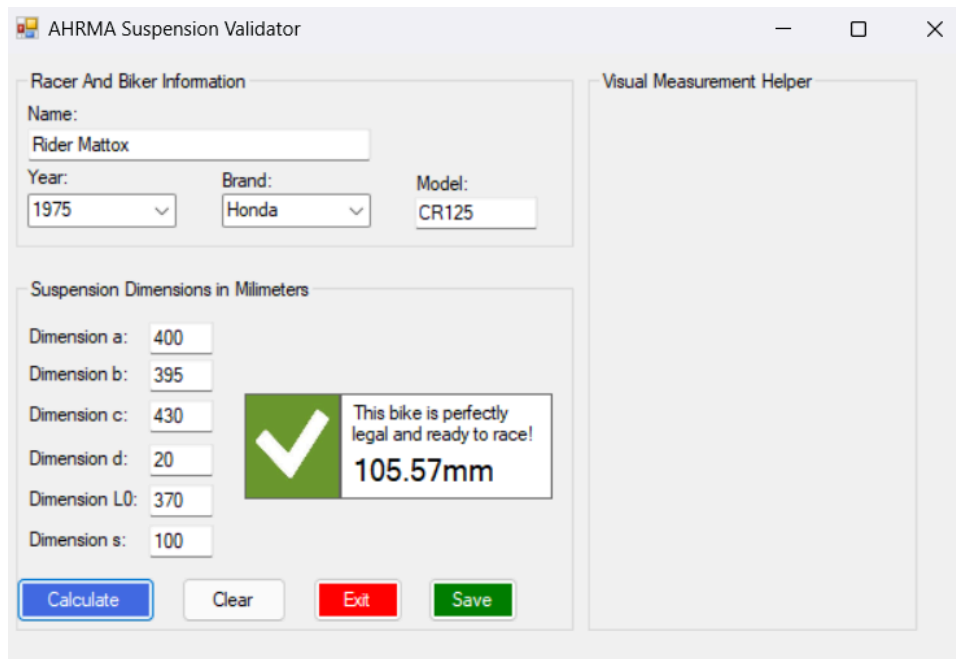


Measure the entire length of the internal shock shaft.

Calculate

Click the calculate button to determine if this bike is legal or not.

If legal ASV will present you with a confirmation box displaying the suspension travel measurement.



The screenshot shows the 'AHRMA Suspension Validator' application window. It features two main sections: 'Racer And Biker Information' and 'Suspension Dimensions in Milimeters'. The 'Racer And Biker Information' section includes fields for Name (Rider Mattox), Year (1975), Brand (Honda), and Model (CR125). The 'Suspension Dimensions in Milimeters' section includes input fields for Dimension a (400), Dimension b (395), Dimension c (430), Dimension d (20), Dimension L0 (370), and Dimension s (100). A large green checkmark icon is displayed next to a message box that reads 'This bike is perfectly legal and ready to race!' and '105.57mm'. At the bottom, there are four buttons: 'Calculate' (blue), 'Clear' (white), 'Exit' (red), and 'Save' (green). A 'Visual Measurement Helper' section is visible on the right side of the window.

Racer And Biker Information	
Name:	Rider Mattox
Year:	1975
Brand:	Honda
Model:	CR125

Suspension Dimensions in Milimeters	
Dimension a:	400
Dimension b:	395
Dimension c:	430
Dimension d:	20
Dimension L0:	370
Dimension s:	100

105.57mm

This bike is perfectly legal and ready to race!

Buttons: Calculate, Clear, Exit, Save

If not legal ASV will present the number of shims required to be legal.

AHRMA Suspension Validator

Racer And Biker Information

Name:

Year: Brand: Model:

Suspension Dimensions in Milimeters

Dimension a:

Dimension b:


Dimension c:

Dimension d:

Dimension L0:

Dimension s:

Visual Measurement Helper

 This bike is over the limit by 86.14 millimeters and will require 4 shims to be legal.

Save

You now have the option to save the racer info and measurements.

Racer Data					
	Id	Date	RacerName	Bike Year	BikeBrand
▶	15	5/9/2024 11:45 ...	Rider Mattox	1975	Honda
	16	5/9/2024 11:46 ...	Jerry Mattox	1974	Honda
*					

Clear

Clear allows you to erase and start all over.

Exit

Shuts down the ASV system

