

2025





2025 ROCKET XR1 SET-UP SHEET

CHASSIS MOUNT LOCATIONS:

REAR UPPER SHOCK MOUNT PLATES ARE TO BE BOLTED ON, SO THAT THE STRAIGHT EDGE OF PLATES ARE FACING TOWARDS THE CENTER OF THE CAR

4-LINK PLATES: BOLTED TO THE INSIDE OF THE TABS , USING THE CENTER HOLES OF THE PLATES

STANDARD SHOCK MOUNT LOCATIONS:

LF: INBOARD / RF: OUTBOARD / LRF: OUTBOARD, 4" DROP ON BIRDCAGE / LR: CENTER ON TOP, OUTBOARD ON BIRDCAGE, 6" DROP ON BIRDCAGE / RR: OUTBOARD, 5" DROP ON BIRDCAGE

BUMP STEER

SETTINGS:

LF @ RACK: 1 -1/16" / RF @ RACK : 9/16"

LF: .500" SPACER AT SPINDLE / RF: .300" SPACER AT SPINDLE - PRESET RF TIE ROD TO 19 7/8"

LF & LR DROP:

WOO/LUCAS LIMITER: SET DROOP AT 19"-19 1/4" WITH BARS IN STANDARD POSITION. LENGTHEN LR TOP ROD TWO TURNS (17 1/4" C-C LONG).

USING SPRING LIMITER: SET LR DROP @ 18 3/4", WITH REAREND HANGING AND NO SHOCK ATTACHED / SET LF DROP, BY SETTING THE LF SHOCK CENTER TO CENTER @ 18.25" WHILE HANGING

J-BAR: 8 3/4" UP ON FRAME, 5/8" BELOW CENTER OF PINION, START @ 20 5/8" C-C

REAREND LOCATION:

SET THE LATERAL LOCATION BY MEASUREING FROM THE OUTSIDE OF THE LOWER LIFT BAR PLATE, OVER TO THE RR UNDERSLUG BAR. **WINTERS / DMI 8", FRANKLAND 7 3/4"**

STARTING 4-LINK ROD LENGTHS &

POSITIONS:

LT: 17" C-C, CENTER ROW CENTER HOLE / LB: 15" C-C, BACK ROW CENTER HOLE / RT: 18" C-C, 3rd HOLE UP/ RB: 15" C-C CENTER HOLE

FRONT END SETTINGS:

CASTER - LF: +4 , RF: +6 / CAMBER - LF: +6 , RF: -6 / TOE OUT: 3/4"

PERCENTAGES: LEFT SIDE %: 54.0 / REAR %: 52.0 / WEDGE: 140# - 150#

LIFT BAR:

USE 10" 300# 5th COIL SPRING, PRE-LOAD 1/4" /SET 5th COIL SHOCK AT 38" ON LIFT BAR /5 DEGREES OF PINION ANGLE/350# 6th COIL SPRING, PRE-LOAD 1/2"

LIFT BAR HEIM MEASUREMENTS: CENTER OF HEIM TO START OF LIFTBAR TUBING. TOP 2" BOTTOM 1 5/8" -----10" ROD SET 13 1/2"

AIR PRESSURES: LF: 9-10 psi / RF: 12-14 psi / LR: 4 1/2 - 7 psi / RR: 9 - 14 psi -Air Pressure in rear tires varies based on track condition (NLMT Tires)

STAGGER: 0-1" FRONT / 3 -4" REAR

LOWER CONTROL ARM MEASUREMENTS:
CENTER OF GREASE FITTING TO CENTER OF HEIMS.
RF: 27 1/2" 19 1/8" LF: 26 1/2" 17 1/8"

BIRDCAGE LOCATION:
MEASURE FROM SIDE BELL WHERE IT MEETS THE CENTER SECTION, TO THE OUTSIDE OF THE 4-LINK PLATE.

Single Sheer
LS: 19 1/4"
RS: 23 3/4"

MEASURE FROM SIDE BELL WHERE IT MEETS THE CENTER SECTION, TO THE INSIDE OF INNER 4-LINK PLATE.

Double Sheer
LS: 16 1/4"
RS: 21 1/16"

MOTOR LOCATION:
MEASURE FROM FLAT SPOT ON THE RACK WHERE IT IS STAMPED "SWEET", TO CENTER OF THE CRANK BOLT.
CRATE: 5 3/8" BOTTOM HOLE ON MIDPLATE **SUPER:** 4 3/8" TOP HOLE ON MIDPLATE

XR1 DRIVE SHAFT LENGTHS:
BERT/FALCON 37"
BRINN: 34 1/2"

5TH AND 6TH COIL MEASUREMENT:
FROM BACK OF DASH BAR TO FRONT OF MOUNTS:
5TH COIL: 19"
6TH COIL 14"
6TH COIL OVERALL LENGTH: MEASURE FROM BOTTOM OF 6TH COIL MOUNT TUBE TO CENTER OF LIFT BAR BOLT AT RIDE HEIGHT 21 1/4"

*** SET UP WITH ALL PARTS, FLUIDS, 17 GALLONS OF FUEL, & THE DRIVER'S WEIGHT IN COCKPIT ***



**2024 ROCKET XR1
SHOCK SET-UP
INFORMATION**

LEFT FRONT:

10" 525
16.500" 700-715
450 W/BPB
16.500" 700-715
15.500" 1200-1250

LEFT REAR:

12" 90 / 10" 200
18.625" 700-800
22.625" 200-250

12" 90 / 12" 125
18.625" 700-800
22.625" 250-350

R1 AIR SHOCK
18.625" 700-730

22.625"

RIGHT FRONT:

**14" 200 / 550 BUMP
SPRING**
15.250" 1200-1300
14.250" 1500-1650
13.250" 2200-2500

10" 200 / 7" 700
15.250" 1200-1300
14.250" 1500-1750
13.250" 2500-3000

10" 150 / 8" 450
15.250" 1100-1200
14.250" 1650-1800
13.250" 2400=2800

5TH COIL:

10" 300
18.125" 175-200

RIGHT REAR:

12" 225
20.000" 400-500
ADD SPRING RUBBER AS
NEEDED

**Use a set of shocks & springs for "Scale Shocks" different from "Race Shocks". The only purpose for scaling is to set left & rear percentages, front end settings and rear end alignment (side to side measurement and pinion angle). **

DO NOT SCALE CAR WITH RACE SHOCK NUMBERS!

Numbers for Scale Shocks

LF: 16.500" @ 700-725

RF: 18.250" @ 650

LR: 18.625" @ 700-725

RR: 20.000" @ 300



