

**ORIGINAL**

01-22-N11B-4070

B 1/29/91 pdg  
**SIMON** CB  
Access  
995

December 18, 1990

**Simon Aerials Inc.**  
10600 West Brown Deer Road  
Milwaukee  
Wisconsin 53224  
USA

Telephone (414) 355-0802  
Facsimile (414) 355-0832

CERTIFIED/RETURN RECEIPT REQUESTED

Ms. Patty Gardner, VIN Coordinator  
National Highway Traffic Safety Administration  
400 Seventh Street S.W.  
Washington, DC 20590

31 APR 2 10:41  
RECEIVED  
NHTSA BOOKLET

RE: VIN Numbers for Simon RZB Trailer Series

Dear Ms. Gardner:

It was a pleasure speaking to you on December 6, 1990. I want to thank you for your assistance.

As I mentioned to you, Simon Aerials Inc. is a manufacturer of trailer-mounted aerial work platforms. (See enclosed sales literature, #RZB-088-SL.) We build less than 500 trailers per year.

Last month, I had contacted Ms. Roni Wolf, WMI Coordinator, SAE, Warrandale, PA. She assigned the following characters for Simon Aerials Inc.:

- 1st Three Characters of VIN to be **1S9**
- 12th, 13th, 14th, Characters of VIN to be **341**

We are using the following procedure for assigning the remaining characters of the VIN number:

<u>Character</u>	
4th	Trailer Type: S (for special)
5th, 6th	Overall Length in feet: 19
7th	Number of axles: 1
8th	GVW Class: B for 3000 - 4000 lbs. C for 4000 - 5000 lbs. D for 5000 - 6000 lbs. E for 6000 - 7000 lbs.
9th	Check Digit (To be calculated per Federal Safety Standard MYSS 115).



Ms. Patty Gardner, VIN Coordinator  
December 18, 1990  
Page Two

10th                    Model Year:    F for 1985  
    G for 1986  
    H for 1987  
    J for 1988  
    K for 1989  
    L for 1990  
    M for 1991  
    N for 1992

11th                    Plant of Manufacture: M for Milwaukee

15th, 16th,            Serial Number e.g., 001, 002, etc.  
17th

Attached are some samples of VIN numbers for current production machines.

Please advise if our procedure for assigning VIN numbers does not meet your approval.

Sincerely,

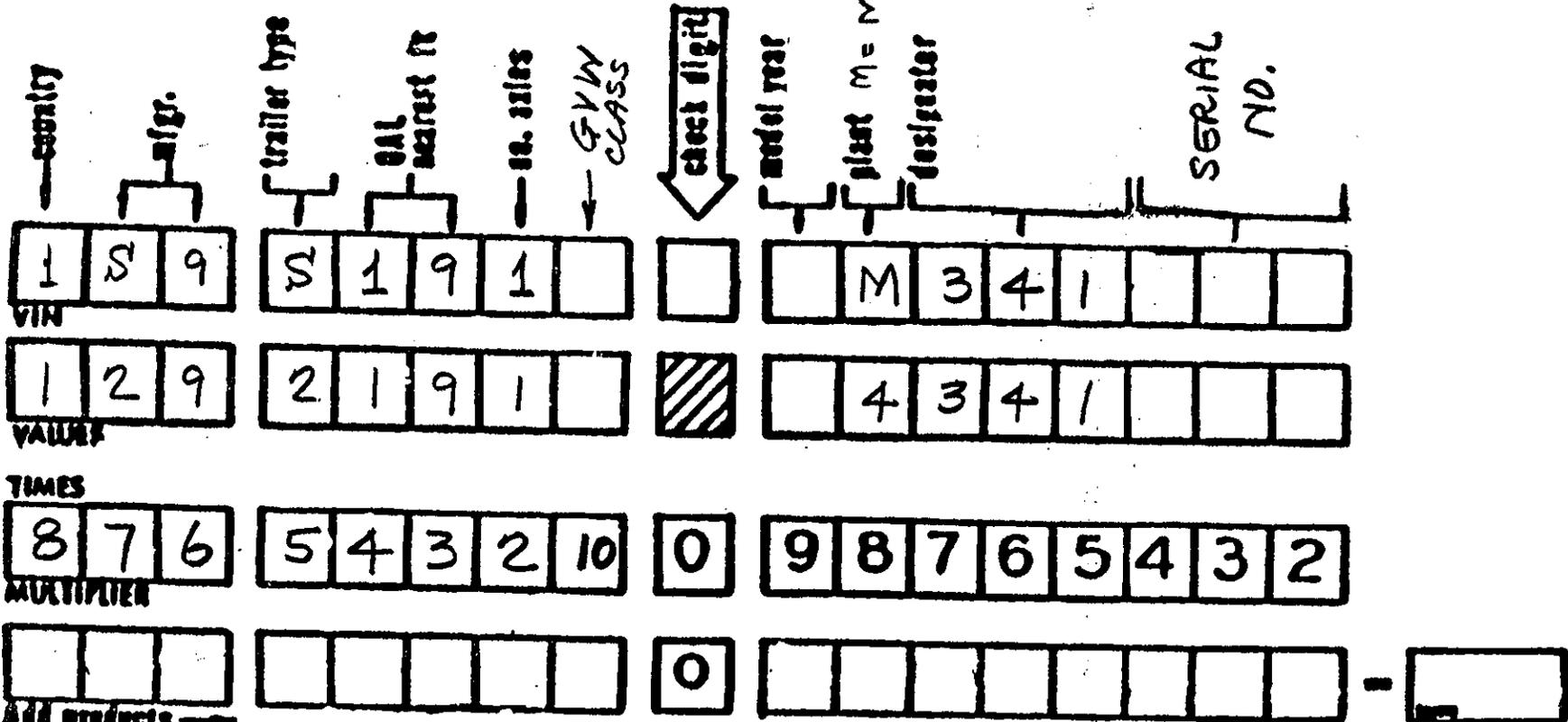


Azam S. Qureshi  
Vice President - Engineering

ASQ:gw

Enclosures

# VIN CALCULATION



decimal - check digit

.00	0	.04	0
.10	1	.05	7
.37	3	.73	0
.50	4	.01	0
.48	0	.90	1
		.00	0

GVW CLASS

- R2B 40 → B = 3000 - 4000 LBS.
- C = 4000 - 5000 LBS.
- D = 5000 - 6000 LBS.
- R2B 55 → E = 6000 - 7000 LBS.

TABLE IV

A = 1	J = 1	T = 3
B = 2	K = 2	U = 4
C = 3	L = 3	V = 5
D = 4	M = 4	W = 6
E = 5	N = 5	X = 7
F = 6	P = 7	Y = 8
G = 7	R = 9	Z = 9
H = 8	S = 2	

- F = 1985
- G = 1986
- H = 1987
- J = 1988
- K = 1989
- L = 1990
- M = 1991

# VIN CALCULATION

country	sig.	trailer type	sal. increment	se. sales	GVW CLASS	check digit	model year	plant M = MILWA.	designator	SERIAL NO.							
1	S	9	S	1	9	1	B	2	L	M	3	4	1	7	4	7	
1	2	9	2	1	9	1	2	3	4	3	4	1	7	4	7		
8	7	6	5	4	3	2	10	0	9	8	7	6	5	4	3	2	
8	14	54	10	4	27	2	20	0	27	32	21	24	5	28	12	14	-

Add products  
Divide sum by 11

$$\frac{299}{11} = 27.18$$

decimal - check digit

.09	_____	.84	_____
.18	_____	.83	_____
.27	_____	.72	_____
.36	_____	.61	_____
.45	_____	.50	_____
.54	_____	.49	_____
.63	_____	.38	_____
.72	_____	.27	_____
.81	_____	.16	_____
.90	_____	.05	_____

GVW CLASS

- R2B → B = 3000 + 4000 LBS.
- 40 → C = 4000 - 5000 LBS.
- D = 5000 - 6000 LBS.
- R2B → E = 6000 - 7000 LBS.
- 55 →
- f

TABLE IV

A = 1	J = 1	T = 3
B = 2	K = 2	U = 4
C = 3	L = 3	V = 5
D = 4	M = 4	W = 6
E = 5	N = 5	X = 7
F = 6	P = 7	Y = 8
G = 7	R = 9	Z = 9
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- F = 1985
- G = 1986
- H = 1987
- J = 1988
- K = 1989
- L = 1990
- M = 1991

R2B 40  
4-9-90

# VIN CALCULATION

country: 1 S 9      trailer type: S      1AL nearest ft: 1 9 1      GVW CLASS: 1      check digit:      model year:      plant M = MILWA.      designator:      SERIAL NO.:

1	S	9	S	1	9	1									
1	2	9	2	1	9	1	0	9	8	7	6	5	4	3	2
							0								

Add products →  
 Divide sum by 11 =          =         

decimal = check digit

.09	_____	0	.84	_____	0
.18	_____	1	.83	_____	7
.27	_____	2	.72	_____	0
.36	_____	3	.61	_____	9
.45	_____	4	.50	_____	8
.54	_____	5	.40	_____	7
.63	_____	6			
.72	_____	5			
.81	_____	4			
.90	_____	3			
.99	_____	2			
.08	_____	1			

GVW CLASS

- R23 → B = 3000 - 4000 LBS.
- 40 → C = 4000 - 5000 LBS.
- D = 5000 - 6000 LBS.
- R23 → E = 6000 - 7000 LBS.
- 55 →

TABLE IV

A = 1	J = 1	T = 3
B = 2	K = 2	U = 4
C = 3	L = 3	V = 5
D = 4	M = 4	W = 6
E = 5	N = 5	X = 7
F = 6	P = 7	Y = 8
G = 7	R = 9	Z = 9
H = 8	S = 2	

- F = 1985
- G = 1986
- H = 1987
- J = 1988
- K = 1989
- L = 1990
- M = 1991

A LOW COST  
MEANS OF ACCESS

# SIMON

**RZB TRAILER SERIES**

# SIMON

# SIMON



## RZB 40 RZB 50 RZB 55

- 40 TO 55 FT (12.19 TO 16.76m) WORKING HEIGHTS
- 34 TO 49 FT (10.36 TO 14.99m) PLATFORM HEIGHTS
- 400 POUNDS (180 kg) PLATFORM CAPACITY
- UP TO 22 FT (6.71m) HORIZONTAL OUTREACH
- 360° CONTINUOUS ROTATION
- FULL PRESSURE HYDRAULIC CONTROL SYSTEM
- MANUAL STABILIZERS SET IN MINUTES
- EASE OF MOBILITY BETWEEN JOB SITES

6

8

# SIMON RZB 40 50 55

Let the Simon RZB Trailer Series (RZB 40, RZB 50 and RZB 55) meet your demand for a reliable yet low cost means of reaching 40 to 55 feet up . . . and 18 to 22 feet out. In the tightest of corners, whatever your application, you can depend on the RZB units to get you up in the air and over obstacles quickly and cost-effectively.

Need to move up, out and about in confined areas and awkward locations . . . the RZB's narrow width, zero tailswing, and 360° continuous rotation solves your accessibility problem with ease.

Want to reduce expensive aerial equipment hauling and transportation costs . . . merely hitch

the RZB to a truck, van or forklift and save time and money in transit.

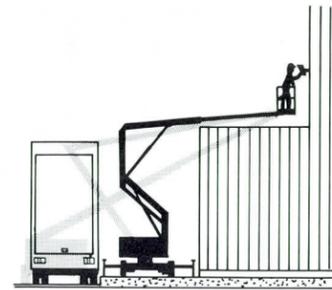
Expect maximum safety with a 400 pound platform capacity . . . rely on the full pressure hydraulic controls and stabilizer interlocks to prevent operation until the unit is properly located in place.

Our dependable RZB 40, RZB 50 and RZB 55 trailer units provide the important features you need, want and expect . . . plus more.

Take a look at how the Simon RZB trailer mount units can meet the demands of your specific job.



The "up and over" access principle allows you to work over the top of racking or other obstructions — places that conventional scissors and telescoping platforms simply cannot reach.



A great asset when in use on the roadside or in tight spots generally, is the lack of any projection of a rear "knuckle." When elevated or rotating, no obstruction is presented to passing traffic.

# SIMON

# SIMON



## UNLIMITED APPLICATIONS . . .

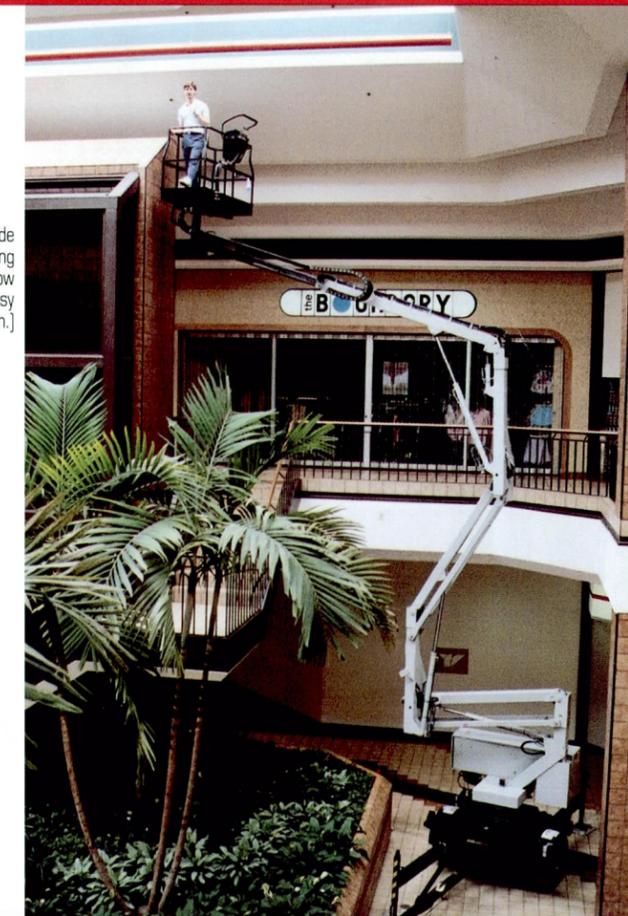
- INDUSTRIAL/FACILITY MAINTENANCE
- SIGN PAINTERS
- CABLE TV INSTALLERS
- TREE TRIMMERS
- PAINTERS/AERIAL SPRAYING
- ORCHARDS
- TELEPHONE COMPANIES
- CONSTRUCTION SITE-WORK
- UTILITY COMPANIES
- PARK MAINTENANCE
- SIGNAL MAINTENANCE
- HEATING-AIR INSTALLATION
- STREET LIGHT MAINTENANCE
- SHOPPING MALLS
- SCHOOLS & COLLEGES



Full hydraulic proportional controls provide smooth and gradual boom movements, simplistic control panel operation and low maintenance costs.

Shopping malls can now accomplish a wide variety of general maintenance jobs by utilizing the "up and over" reach available with this "low cost" means of access. (RZB55 photo - courtesy of Rogue Valley Mall, Medford, Oregon.)

All three RZB models quickly hitch to any standard truck, van or forklift for easy transporting and reduced hauling costs.



## ACCESSIBILITY

- Reaches 40 to 55 ft working heights (34 to 49 ft platform heights)
- Side reaches of 18 to 22 ft out
- Zero tailswing
- Full 360° continuous rotation
- Telescopic boom feature for easy access into awkward locations and over obstacles up to 26 ft high
- Unlimited in-plant and outdoor applications

## SAFETY

- Hydraulic circuit with interlocks to stop use if stabilizers are not extended.
- Holding valves prevent boom descent in event of hydraulic hose failure.
- Platform Toeboard (6") prevents the possibility of falling tools, work equipment, etc.
- Hand pump brings operator to ground in emergency situations.
- Full road equipment included for road travel (lights, brakes, tow hitch).
- Meets or exceeds OSHA and ANSI standards.

## DEPENDABILITY

- Fully hydraulic proportional controls for smooth operation.
- Outside hose track system eliminates costly internal boom trouble-shooting.
- Battery operated — 8 to 10 hour working day without down time — plugs into ordinary 110 volt outlet for easy recharging.
- 24 volt Battery Charger automatically shuts off when batteries are charged.
- Simplicity of design minimizes maintenance costs.

## EASE OF OPERATION AND MOBILITY

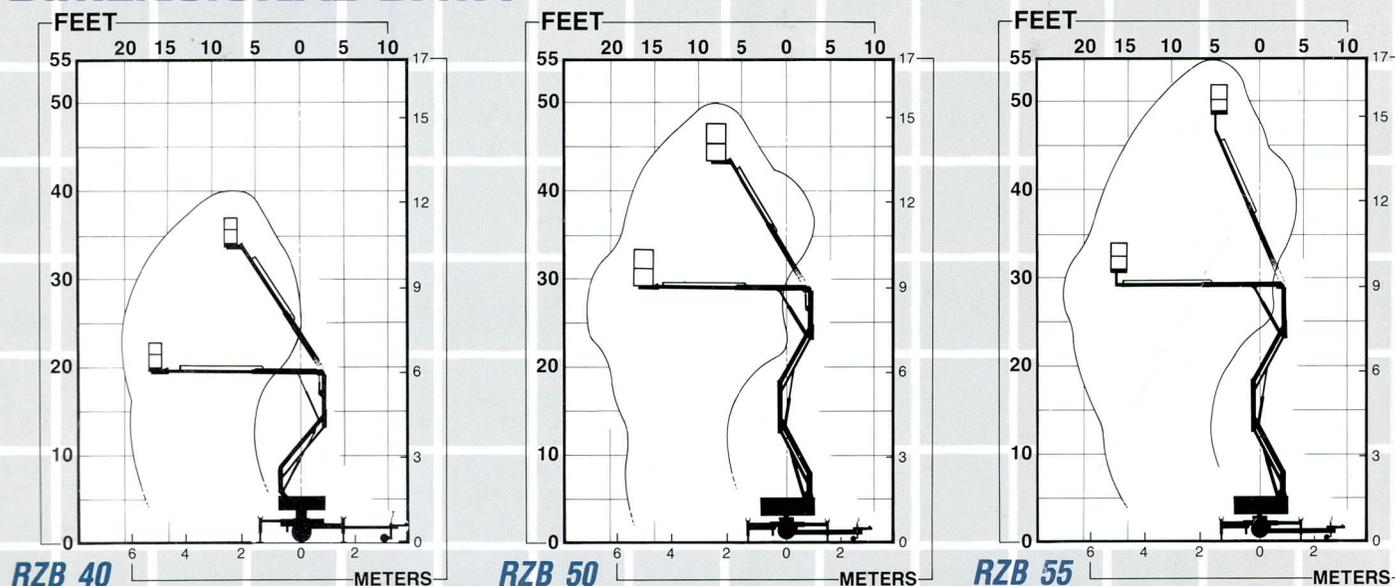
- Self-explanatory ground and platform controls.
- Stabilizers manually set in minutes.
- One man operation (basket capacity for two, if required.)
- Compactly folds for shorter stowed length when traveling.
- Reduces expensive hauling/transportation costs.
- User training kept to a minimum.
- Eliminates costly vehicle tie-up.

# SIMON RZB TRAILER SERIES RZB 40, 50, 55

## STANDARD FEATURES

- Hydraulic Proportional Control System
- 360° Continuous Rotation
- Zero Tailswing
- Self-leveling Platform Basket
- 24 Volt DC Power Source
- 24 Volt DC Battery Charger
- Full Road Equipment (Lights, Brakes, Tow Hitch)
- 110 Volt Outlet at Platform

## DIMENSIONAL DATA



## SPECIFICATIONS

	RZB 40	RZB 50	RZB 55
WORKING HEIGHT (ft/m)	40' / 12.19	51' / 15.56	55' / 16.76
PLATFORM HEIGHT (ft/m)	34' / 10.36	45' / 13.72	49'2" / 14.99
HORIZONTAL PLATFORM OUTREACH (ft/m)	18'10½" / 5.75	19'6" / 5.94	21'10" / 6.65
PLATFORM CAPACITY (lbs/kg)	400 / 180	400 / 180	400 / 180
PLATFORM DIMENSIONS (in/m)	60"x30" / 1.52x.76	60"x30" / 1.52x.76	60"x30" / 1.52x.76
STOWED HEIGHT (ft/m)	8'3" / 2.50	9'9" / 2.97	9'9" / 2.97
WIDTH (ft/m)	6'1" / 1.85	6'5" / 1.95	6'5" / 1.95
STOWED LENGTH (ft/m)	18'5" / 5.61	18'7" / 5.66	18'7" / 5.66
STABILIZER SPREAD (ft/m)	9'10"x9'10" / 3.0x3.0	10'6"x10'6" / 3.2x3.2	10'6"x10'6" / 3.2x3.2
GROUND CLEARANCE (in/m)	9 / 0.23	9 / 0.23	9 / 0.23
BATTERIES	(4) 95 amp	(4) 95 amp	(4) 95 amp
TIRES	7x15-8 ply	9.5x16.5-10 ply	9.5x16.5-10 ply
GROSS WEIGHT (lbs/kg)	3800 / 1725	5780 / 2620	6000 / 2720

Due to continuous product improvements, SAI reserves the right to make specification and/or equipment changes without prior notice.

## OPTIONS

- Work Light Package
- Battery Condition Indicator
- Safety Belt Kit with Lanyard
- Gas Engine Power
- Locking Control Levers
- Spare Tire

DISTRIBUTED BY:

# SIMON



SIMON AERIALS, INC.

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