

Base_Equipment

SYSTEM	DESCRIPTION	COST
Base Model		
	2500 Cargo High Roof	41910
	Delivery charge	995
Cold Weather Package		1010
	Heated driver & passenger seats	
	Engine preheater	
	Heated windshield	427
Driver Comfort Package		555
	Dash storage	
	12V outlet drivers base	
	2 extra keys	
Drivers Efficiency Package		1470
	Audio 15 stereo w/ backup camera	
	Cruise control	
	Fog lights	
	Becker GPS mapping	
Trailer Hitch Package		360
	7500 lbs capacity 7 pin round connector	
Floor Package		320
	Plywood floor w/D-ring tie downs	
Addition Battery		370
	100 AH battery located in engine bay	
4 X 4 Package		6800
	4 X 4 with low range (ZG3)	
	Subtotal	54217
Tax and California Registration		
	Sales tax (7.76)	4208.02
	License	353
	Other fees	90.75
	Document fee	80
	Registration transfer fee	29
Optional Coverage		
	Extended Service contract 48 months	1700
	GAP Insurance	899
	Total	61576.77
Financing		
	2.90%	5666.19
	Financed out the door	67242.96
Build Cost		
	Interior & Exterior	51258.9
	Sub Total	118501.86
Accessories		
	Tools	1091
	Off-road Recovery Gear	1175
	Tiki Bar Decor	374
	Additional Equipment	2640
	Labor 600 hrs @ \$80	48000
	Total	169141.86
	VIN WD3FE7CD9GPXXXXXX	
CODE	DESCRIPTION	NOTE
WD3	Daimler AG	Truck
F	4 X 4 Type	U.S.
E7	C250 3665mm (144") WB, 8000-9000 GVWR	Class G
C	MG5+MH5 Turbo Diesel 3.0L 6 Cylinder	Hydraulic Brakes
D	SA5 + SA6 + SH7 + SH9 Driver & Pass Side Airbags	
9	Check Digit	
G	2016	
P	Built in Dusseldorf	
XXXXXX	Serial Number	

System	Description	Qty	Details	Cost
Exterior	Tires	5	BF Goodrich T/A KM2 255/80R17	251
	Rims	5	Method MR301	190
	Ladder	1	Stainless Steel Rear Door Ladder	270
	HiLift Jack	1	Hi Lift Jack with Base, Isolator & Mounting H	140
	Spare Tire Carrier	1	Owl Engineering	989
	Front Bumper	1	East Coast Bullbars & shipping	2400
	Front Lights	1	KC Lites 7.5" Carbon Pods	867
	Ride Improvement	1	Agile Offroad	5000
	Fender Flairs	1	Terrawagon	186
	Skid Plates	1	Van Compass	1800
	Rocker Guards	1	Van Compass	2000
	Differential Skid Plate	1	Van Compass	300
	Brake Improvement	1	Agile Offroad	1000
	Aux Fuel Tank	1	Agile Offroad	3000
	RotoPax	4	Gas and Water	95
	HydraLift	1	502474 w/HLAP2474	4527
	Awning	1	F65 Eagle 10" w/ Standard Adapter Plate	2774
				Total
Insulation	Sound damping 36 Sq Ft (2	Stinger RKX36B Roadkill	90
	Insulation Fill 25 Sq Yds e	2	Thinsulate CS150 4.6 oz. per yard. 60" wide	242
	Insulation Board 24" x 48"	4	Mega'Zorbe Hydrophobic Melamine Foam	241
	Tape	4	3M Foil Tape 3381 Silver	9
	Window Shades	2	Remis 10021162 & 3	200
	Window Insulators	1	SprinterStore 2002-2019 Front & Sides	150
	Plywood Sheathing	8	3/8" 4' X 8' Sande Plywood	30
	Thatching 48" X 60" 4 per	2	Forever Bamboo 511-60FB	52
	Rubber Shock Mounts 2 p	50	Vibration Isolation M6 X 18MM Rubber 25 X	40
			Total	2546
Interior	Panel Mounting Studs	60	2' X 1" Oak Boards	2
	Bamboo Panel 48" X 96"	3	Forever Bamboo B0792HGRTD	75
	Woven Matting	1	Lauhala Matting Roll	65
	Bamboo 2" Poles 10 per	1	Backyard X-Scapes Natural Bamboo	115
	Couch/Bed	1	RB Components 3057-76-NC	550
	Headliner Shelf	1	Vancillary VCSHLSFB	431
	Door Catch	3	Yieko 009 Brown	8
	Bamboo 6" Diameter 12' l	1	Bamboo Mart	50
	Linier Actuators	2	WindyNation pair of 12" Stroke 12VDC	92
	Remote Relay	1	eMylo RF Motor Controller	16
	Cell Booster	1	weBoost	650
	Tiki Torch Speaker	2	Djtanak	46
	Solar Torch Lights	1	Cyberdax (wall mount used for Tiki Torch)	46
TV Monitor	1	Samsung QN32Q50RAFXZA 32inch	448	
			Total	4924
Storage				

Equipment_List

Plywood	2	3/4" X 48" X 96" Exterior Plywood	20
Wood Framing	2	2" X 2" Wood Framing	12
Framing Clips	1	1" X 1" Aluminum Angle	15
Cabinet Trim Panels	8	2" X 1/4" Pine Boards	8
Hinges	3	2" Hinges with Hardware	2
Latches	5	Locking push button	12
Mounting Hardware	20	8-32 Self Locking Nuts, Plain Washers and 2	1
Wood Screws	1	1.5" Sheetrock Screws	5
Total			234

Electrical

USB ports	4	Quick Charge 3.0 Dual USB Socket	16
12VDC	4	12VDC Cigarette Lighter Socket	11
110 VAC	1	iClever IC-BS06	26
Circuit Breaker Panel	4	WFCO WF-8930 WF-8950	88
2AWG Wire	100		5
6AWG Wire	50		4
18AWG Wire	200		3
2 AWG Terminals 10pc	2		9
6AWG Terminals 10pc	1		8
18 AWG Terminals 10pc	2		5
Circuit Breaker	4	Blue Sea 20 Amp	19
Fuse Holder	2	ANL 35A to 750A with 50A Fuse	50
Terminal Strip	2	4 Lug	8
Anderson Connectors	2	Philmore 75A DC 49-340	10
RV Power Plug	1	Leisure RV 50 Amp 110/220 (Black)	23
Battery Monitor	1	Wenzhou Morning Electronics PZEM-015-3C	23
Total			2080

Security

Mini Computer	1	Intel NUC (264) 8Gb Memory (38)	
Accelerator	1	Google Coral	85
Ethernet Switch	1	Netgear 4xPoE 53W	68
Camera Stationary	2	Microseven 1080P 30FPS	140
Camera PTZ	1	Reolink RLC-423 5MP Super HD	230
Power Supplies		Smakn 48VDC & Knacro 19VDC	56
Monitor		SunFounder Raspberry Pi	150
Total			729

Power

Panels	2	Panasonic VBHN330SA16	460
Batteries	4	Lynx Lithium (AGM VMAX MR127-100 replaced)	670
Controller	1	Morningstar TS-MPPT-60	598
Display	1	Morningstar TS-RM-2	135
Full Sine Wave Inverter/C	1	AIMS PICOGLF40W12V120V	1116
Inverter Remote	1	AIMS REMOTELF	139
T-Slot	53	Orange Aluminum	4.8
T-Slot Angles	50	Orange Aluminum	4.89

		Equipment_List	
	Battery Charger	1	Renogy 60A DC to DC
			260
			Total 6346.9
Lighting			
	Ceiling	2	Woraton/Bason Multi Color LED with Remote
	Extension Cable	1	Light Extension Cord
	Solor Light	2	Cyberdax 3 rd Gen
	Light Strip	1	16' Light Strip Multi Color LED with Remote
			27
			10
			45
			8
			Total 162
Kitchen			
	Sink/stove	1	CAN Srl FL1766
	Water Can	1	10 Gallon Stainless Steel
	Faucet	1	CAN Srl RB1488
	Drain	1	CAN Srl LP1800RV
	Fridge	1	Norcold DE0041R 3.6 Cu Ft 12VDC & 115V,
	Microwave	1	Hamilton Beach .9 Cu Ft 700W
	Hose Connections	1	CPC HFCD16812 3/8" 1/2 " ID
	Hose Connections	1	CPC HFCD23812 3/8
	Hose	6	Industrial grade .5" ID
			400
			229
			114
			20
			670
			66
			20
			18
			10
			Total 1597
Heating/Air Conditioning			
	Heater	1	Eberspacher Espar Airtronic D4 12V
	Air Conditioner	1	Zero Breeze ZB100 w/battery
	Vent	1	Low Profile Motorized Vent with Inner Grill
	Duct	1	10" Stainless Duct Flange
	Motor Controller	1	PWM DC Motor Controller
			1300
			800
			220
			32
			14
			Total 2366
Shower/Toilet			
	Shower Pan	1	Local Fabrication
	Shower Curtain	2	Ambersonne World Map
	Water Heater	1	Duoetto MK2
	Shower Head	1	Delta In2ition Satin Dual 2.5GPM
	Portable Toilet	1	Thetford Porta Potty 92306
	Sump Pump	1	Five Oceans FO-3611
	Folding Sink	1	Kangrun SS Folding Sink
	Water Pump (shower)	1	Northstar 12VDC 3GPM
	Water Filter	1	iFilter LWH-D
	UV Light	1	Viqua Sterilight S2Q-P/12VDC
	Hour Meter	1	Jayron
	Switches	4	heater & green=booster
	Water Fill Cap	1	kuayi
	Washing Machine	1	LKB Living Hall R2D2
			350
			17
			420
			55
			173
			61
			400
			83
			55
			387
			16
			9
			23
			370
			Total 2436

Equipment_List

TOTAL 51258.9**Tools**

Roller	1	Noico Metal Roller (for Roadkill)	10
Jig Saw	1	Makita 18V LXT Brushless Cordless XVJ02Z	232
Battery	1	Makita 18V Lithium-Ion Battery BL1840B	60
Circular Saw	1	Makita 18V LXT Brushless Cordless XSH03Z	170
Drill	1	Makita 18V LXT Driver-Drill XFD12Z	89
Vacuum	1	Makita 18V LXT Brushless Cordless XCV11Z	166
Fan	1	Makita 18V LXT Brushless Cordless DCF20Z	99
Lantern/Flashlight	1	Makita 18V LXT Brushless Cordless DML80Z	60
NICAD Battery Charger	1	Tenergy	30
LiPo Battery charger	1	XTAR	78
Workbench	1	Keter 171993311	97
		Total	1091

Recovery

Chain	20	5/16	90
Winch Anchor	1	SmittyBuilt W.A.S.P. PN S/B2727	148
Chainsaw	1	Makita 18V LXT Brushless Cordless XCU03L	390
Light	2	Dseap Soar Light	34
Shovel	1	Pri-p Shovel	10
Tire Inflator	1	Viair 450P-RV	276
First Aid Trauma	1	Surviveware Survival	85
Recovery Boards	2	Bunker Industries Red Traction w/Jack Base	88
			1175

Decor

Hula Girl	1	Posing 4.4" tall	10
Chair	2	Portal Quad Folding	90
Ram Mounts	2	Cup holder	31
Portable Fire Pit	1	Fire Sense 22"	62
Rug	1	Fire Mat 5 X 5.5	60
			374

Supplies

Backpacker Pantry Large	10	No. 10 cans	40
Backpacker Pantry Meals	5	Fettuccini Alfredo with Chicken	10
Peak Refuel	2	Entree	150
Numanna	2	Grab -n- Go	150
Bob's Red Mil	2	Muesli	10
AlpineAire Foods	5	Chicken Gumbo	7
			1105

Outfitted Total 3745

Wt lbs	Docs	Power	Notes
			Specifications
			Specifications
			Specifications
			Mountng Installation
			Installation Instructions
			Installation Instructions
			Wiring Instructions
			Parts List
			Installation Instructions
			Installation Instructions
			Installation Instructions
			Installation Instructions
			Parts List
			Installation instructions
			Parts List
			Installation Instructions
			Installation Instructions

R-Factor	Notes
0.3	Amazon Link
3.4	Specifications
2.3	Specifications
	Amazon Link

0.5	
0.5	Bamboo Panels same R-Factor
1.0	8 Total R-Factor include 1" air

unpowered till plugged in

	DC	AC			
41 Y			660 watts or 55 Amps (330 watts ea)	62" X 41"	
65 Y	400		400 Ah (100 Ah each)	12" x 5"	
10 Y					
2 Y					
64			4000 W		
1.6			Orange Aluminum	Pieces	
			1 ft PN OA9920-1M		
					11
					3

Equipment_List

2 ft PN OA9920-2M	4	
4 ft PN OA9920-4M	6	
Angles PN OA9920-CA	50	512.13

LED Dimmable
LED

LED colorfull

Stainless Large
Propane/Charcoal/Wood

12 VDC/110 VAC
12VDC

15

Total Servings

218
10
60
160
60
10
518

Equipment_List

Granola	2	32	64
Loisana Red beans & Rice	2	27	54
Pasta Vegetable	2	15	30
Cajun Rice & Chicken	1	17	17
Jamaican Jerk Chicken	1	17	17
Beef and Boccoli Stir Fry	2	18	36
		126	218
Fettuccini Alfredo with Chicken	5	2	10
AlpineAire Foods Chicken Gumbo	5	2	10
Bob's Red Mill	2	30	60

Segment**Detail**

Introduction

Front Bumper

East Coast Bullbars & shipping

Front Lights

KC Lites 7.5" Carbon Pods

Tires

BF Goodrich T/A KM2 255/80R17

Rims

Method MR301

Fender Flairs

Terrawagon

Door Stop

Norton Fabrication

Spare Tire Carrier

Owl Vans

RotoPax

Gas and Water

Ladder	Stainless Steel Rear Door Ladder
HiLift Jack	Hi Lift Jack with Base, Isolator & Mounting Hardware

Ride Improvement Agile Offroad

Aux Fuel Tank Agile Offroad

Brakes rotors Agile Offroad

ToDo

Skid Plates Van Compass

Side Rockers Van Compass

Awning Fiamma F65
Motorcycle Carrier HydroLift

Camera

First portion tripod mount drivers side background.

Cut to hand held hold shot for fender trim for later use, then zoom into to tire

Return to fender trim, pan all the way around front. Zoom in while panning back to the right side stay high

Capture DEF tank modification and closeout

Start with head on shot framing the lights

Hand held Flash spec sheet

Slow zoom out to rims, flash spec sheet then move toward the rear of the vehicle

Pan to frame fender trim position camera same as tire frame then paste previous video segment from beginning

Pan to the right then zoom out. Move to the right to show the mounting. Demo door open close

Pan down then around the right to see the back and the extension mod

Camera scan top to bottom flash interior still of
mount angle

Move up to the mounting bracket. Flash Xterra
screen shot and link pan to jack base and
lock.

Need a creeper or just shoot each wheelwell

Pan along the right side and paste previous
video segment from beginning

Cycle through
Cycle through

Script

Hi, my name is Michael and I'm out here on the Black Rock Playa where Burning Man takes place. So welcome to my Sprinter build, this my 2016 Sprinter. It's a 2500 high roof cargo version with the 4 by 4, option. I'll begin with the stock vehicle specs w

Now here's my favorite exterior upgrade the East Coast Bullbar. I saw this bumper while I was in Australia at Urial Rock. We had stopped at a petrol station and I saw this Sprinter with totally different bumper. I spoke with the owner and got enough info

A nice added feature from ECB are the mounts for aux lites. I chose the KC Hi Lites 7.5' carbon pods with the Gravity LED's. They put out almost 5000 lumens at 40 watts. They came with covers and I thought the googally eyes would make the van have that fun

Next are the tires, these are a pretty standard upgrade from the original Mercedes Continentals. These BF Goodrich KM2 are a 55 thousand and 6 year material warranty.

These tires are mounted on Method MR301 rims which are fairly common upgrade from the original Mercedes rims. I purchased both on-line from Discount Tires and their southern California outlet American Tire installed them

I also install the fender trim from Terrawagon which is more aesthetic than anything else. It does look nice and something here as well on the drivers side.

So, on this side I installed the Owl Vans high mount tire carrier. I should note one drawback is the tire is so heavy that the door will flex when closed. Not sure there's a fix for that and I don't use the door that often so it's not a big deal. One nice

As part of the Owl Van mount there's a short piece of angle for mounting a RotoPax which seemed a bit short for my needs so I extended the mount and mounted 4 RotoPax, 2 for gasoline and 2 for water. I figure there's going to be a standard Jeep or Ford tha

Looking at the back of the vehicle we see it's pretty busy. On the left I mounted this stainless steel ladder. The upper portion is simply hooked on the door lip while the bottom is mount with 50 thousands half by half aircraft grade aluminum angle and

As you can see I've mounted a Hi Lift Extreame to my ladder. I used a post from an Xterra forum for the basic mounting hardware. Unfortunatly the diameter of this ladder is X so I had to rework the mounting clamps to fit slug.

I did have to drill a hole

With that said the single biggest investment has been the Ride Emprovement Packeage from Agile Offroad. This include tuned Kona front struts with coil assist, tuned Fox rear shocks, new custom rear leaf springs and wheel snacers. It raised the van another

I also decided to use the open space where the spare tire was for an aux fuel tank from Agile Offroad so while the van was in for the RIP I had them add a 24 gallon aux fuel tank

Since Agile Offroad already had the wheels off it seemed like a good time to upgrade the brake rotors and pads. With 50 thousand miles on the van I fiqued I was aettina close anwwav.

The last exterior upgrade is the skid plates from Agile Offroad and Van Compass. These included the engine, transmission, rear dif and fuel tank. We're ready to do some serious off road adventures.

So as we walk around the right side of the vehicle you may have noticed earlier the Side Rockers on the left side and obviously on this side as well. The mounting is engineered to fit the Hi Lift jack at each end.

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Pull from Sprinter Conversions

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KC Lites Webpage

Post BF Goodrich data sheet

Post Method data

TerraWagon Website

Owl Installation Drawing and website

List additional items and mounting bracket

Website

HighLift website and build-up of mount websitr

Agile Offroad Website

Agile Offroad Website

Agile Offroad Website

Van Compass Website

Van Compass Website

Flamma website
HydroLift website

Segment	Detail
Introduction	
Solar Panels	Panasonic VBHN330SA16
Power Center	Orange Aluminum
Controller	Morningstar TS-MPPT-60
Batteries	VMAX MR127-100
Inverter	AIMS PICOGLF40W12V120V Fuses are BlueSea PN Switches are MS.
Display	Terminal Boards are BlueSea PN
Solar Remote	Morningstar TS-RM-2
Inverter Remote	AIMS REMOTELF
Battery isolation Power Distribution	Fuse block and switch WFCO WF-8930/50

Camera

Time

First portion tripod mount side door open with interior in background.

Cut to schematic hold then fade to Blender animation

Fade to quadcopter video of current solar panel installation

Circle empty power center

Add to Power Center

Add each battery and then jumpers

Add inverter

Open access panel, pan to see switches, terminal boards and fuses

Fade in to schematic, focus on solar, controller remote

Move camera to inverter controller then fade back to schematic

Focus schematic on aux battery and fuse

Focus on Power Distribution data sheet then fade to model

Script

Welcome back to my Sprinter build, my name's Michael and this is my 2016 Sprinter 4 by 4. It's the 2500 series which is the 144 inch wheel base. This video covers the interior and I'll begin with my design of the electrical system. And I should probably

I have 2 solar panels from Panasonic the HIT series which are 330 watts each. As you may have noticed from the schematic I show 4 panels which is a future mod where 2 additional panels slide out giving me a total of almost 1.3 Kilowatts.

These panels feed through the backup camera feedthrough along the side over the ceiling and down the right side to the power center. All the wiring is sheathed in flexible conduit and secured with Adel clamps.

The power center is built from T-Slot structure.

The solar panels feed a Morningstar MPPT controller with 2 switches to isolate the panel for maintenance.

These panels feed through the backup camera feedthrough along the side over the ceiling and down the right side to the power center.

Mounted above the batteries is a 4KW full sine wave inverter 120 volts AC. This feeds the multiple wall outlets and interior furnishings.

In addition to these I have in-line fuses, switches and several terminal boards located behind an access panel.

The solar controller and inverter both have remote monitoring located by the driver's seat.

As part of the Owl Van mount there's a short piece of angle for mounting a RotoPax which seemed a bit short for my needs so I extended the mount and mounted 4 RotoPax, 2 for gasoline and 2 for water. I figure there's going to be a standard Jeep or Ford that

My Sprinter came with the aux battery option so my build parallels that battery isolation interface.

Finally the electrical system feeds my power distribution panel which controls AC and DC power.

Detailed List

Pull from Sprinter Conversions

Post BF Goodrich data sheet

Post Method data

Segment	Detail
Introduction	
Soundproofing	Stinger Roadkill Hydrophobic Melamine Foam
Insulation	3M Thinsulate Shock mounts and oak studs R-Factor
Finsh	Woven matting and bamboo paneling
Trim	Bamboo poles

Camera

Time

First portion the computer model then pan interior with walkthrough

Show sample of install with aluninum tape

Lay thinsulate back down HMF fade to spec sheet

Fade in shock mounts pan to oak studs

Data sheets and math animation

Fade to model panning top to bottom

Final pan to trim

Script

Welcome back to my Sprinter build, my name's Michael and this my 2016 Sprinter 4 by 4. It's the 2500 series which is the 144 inch wheel base. This video continues with the interior and I'll begin with my design of the furnishings but first the sound proof

For the first part of my soundproofing I chose Stinger Expert RoadKill which went in well enough

I then put up 4 by 8 sheets of hydrophobic melamine foam or HMF sheets on both sides.

The next layer is 3M Thinsulate which is both insulation and sound deadening. It's 40 ounces per square yard with an R-Factor of 1.7.

I closed out the interior with quarter inch unfinished plywood attached to 1 by 2 oak and secured rubberized standoffs using 6mm rivnuts. This setup seems to minimize any squeaking and I hope adds a bit more thermal insulation as well.

Since I laid up 3 layers thinsulate so along with the sound proofing, HMF and quarter inch plywood I should have an R-Factor of somewhere around 6.7

Final covering is woven matting on the upper half and bamboo paneling on the lower.

I trimmed the it out with 2 inch split bamboo

Segment	Detail
Introduction	
Cabinetry	Quarter Inch plywood
Refrigdarator	Norcold DE0041R
Sink/Burners	CAN Srl FL1766
Water	Stainless 10 Gallon Plastic 5 Gallon Jerry Can Foot Pump

Camera

Time

Reverse original walkthrough left portion the computer model then pan kitchen top to bottom

Then pan around to the aft

Fade in Norcold spec sheet then fade in video from drivers seat

Pan up to sink raise lid then raise lid to burners

Fade to the model shot from the back then fade to actual from the front

Fade in waste water tank and pumbing

Pan to the bottom and the foot pump

Script

Welcome back to my Sprinter build, my name's Michael and this my 2016 Sprinter 4 by 4. It's the 2500 series which is the 144 inch wheel base. This video continues with the kitchen area and I'll begin with my design of the cabinetry.

So the goal of this build was to imagine I was shipwrecked on an island and all I had to work with was some crates that washed ashore. I keep the build material very simple quarter inch rough plywood with 2 by quarter inch trim.

The overall width was based on the width of the fridge which is the Norcold DE0041R it's 3.6 Cubic Feet and runs on both 12 Volts DC & 115 Volts AC. It include a fair size freezer and I switched the door hinge so I'd have access from the drivers seat

Given the minimum width of the kitchen cabinet I choose a sink burner combination to just fit. The counter top is actually bamboo flooring and the edge trim is simple 3 quarter corner trim.

The sink has a flip up facet and I elected to not to plumb hot water to the sink since I don't use dishes. My primary source of drinking water is stored in a 10 gallon stainless jerry can which was a bit more expensive when I would have liked but it fits

My waste water is stored in a basic 5 gallon plastic jerry can which is easily removed and drained. I looked into electric pumps in fact I bought one then I came across this marine foot pump and thought it would be perfect.

Detailed List

Segment	Detail
Introduction	
Overall Design	Fittings and valves
Water Heater	Duoetto MK2
Filter System	Filter System
UV	UV light details
Sink	Stainless Steel Sink
Shower Head	Delta dual head

Camera

Time

Reverse original walkthrough left portion the computer model then pan shower and water filter area back to front

Then pan back to shower area

Focus on Water Heater

Pan across sump, pump and filter

Fade to the under sink flash light data sheet
Fade in sink closed then show opening. Flash spec sheet then rotate faucet. Turn cold then hot on then cold off and then off.

Pan to shower

Script

Welcome back to my Uberlander build, my name's Michael and this my 2016 Sprinter 4 by 4. It's the 2500 series which is the 144 inch wheel base. This video continues with the shower area and water filtration system.

The water system starts with a 20 gallon tank and includes a filter system, a 12dc water heater multiple outlets. I keep the build material very simple brass fittings and fiber reinforced 1/2 inch tubing. Found this 12VDC water heater from Australia which plays well with my electric sprinter design, no propane is good.

Did my research and found a water recycle system and bought each item separately . Had a few leaks initially and thanks to the weather station leak detector accessory I was rudly awaken then it went off from a minot leak, in fact I ended up changing the

The UV light was a challenge to mount but found room under the kitchen sink. There's a metel box that also needed to be mounted but it fit under the sink as well.

The sink has a rotate facet and I pummed hot and cold water to the sink . There are valves to control the shower and the inlet of the heater which come to find out I didn't need. I looked into electric pumps in fact I bought one then I came across this marine foot pump and thought it would be perfect.

Detailed List

Segment

Detail

Introduction

Couch/sofa

RB Components

Cabinetry

Plywood

Lighting

Bason Lighting

Camera

Time

Reverse original walkthrouhg left portion the computer model then pan the couch then turn it into a bed

Show model rotating

Fade in Norcold spec sheet then fade in video from drivers seat

Dual remotes position of each IR sensor

Script

Welcome back to my Sprinter build, my name's Michael and this my 2016 Sprinter 4 by 4. It's the 2500 series which is the 144 inch wheel base. This video continues with the couch and cabinetry

So the goal of this build was to image I was shipwrecked on an island and all I had to work with was some crates that washed ashore. I keep the build material very simple quarter inch rough plywood with 2 by quarter inch trim.

The overall width was based on the width of the fridge which is the Norcold DE0041R it's 3.6 Cubic Feet and runs on both 12 Volts DC & 115 Volts AC. It include a fair size freezer and I switched the door hinge so I'd have access from the drivers seat

The lights are split into 2 groups center ceiling and under cabinet. Sensor are positioned to allow just one on at a time.

Detailed List

Shake_Down_1_Death_Vally

Problem	Temporary Solution	System
Recovery Gear	Don't get stuck	Exterior
Tiki lamp broke	Stow for off roading	Lighting
Door thatching damaged	Secure	Inteior
Training on equipment	Practice	Equipment
DJI	Mavic 2	
Osmo	Action	
Feiyu	WG2X	

Long Term Fix

Order anchor 20 ft chain, mount shovel

Replace connector

Replace with thicker plywood

Good video practice follow

Need tall tripod

Not used

Shake_Down_2_Black_Rock

Problem	Temporary Solution	System
Drain plugs up	Manually clean	Water
Step to low	Use till replacemnt	firnature
Bike carrier too low	Use till replacement	Exteior
Fan needs 12DC plug	Use AC	Electrical
Bugs	Now	Furnishings
Curtain light edges	Jam in cracks	Furnishings
Bamboo Trim	Glue & screw	Interior
Windshield Screen	Use curtain at night	Funishings
Shade limited	Repostion	Exterior
Can't put bed full up	Not necessary now	Furnishings
Hard to pull out airline trays	Muscle them	Furnishings
Batteries ran down	Replaced fuse 150A	Electrical
T rail mounting loose	All secure for now	Furnishings
Training on equipment	Practice	Equipment
DJI	Mavic 2	
Osmo	Action	
Feiyu	WG2X	
Door trim	finsh	Interior
Bed side	finsh	Interior

Long Term Fix

Different quick disconnects

Different 2 step thin

Hydralift 202474

Order plug

Order screen

velcro or magnetic

Finish back ceiling order long 3' pieces

Order Sprinter windshield insert

Order Awning

Insure floor dring ratchet strap

Replace original straps

convert to lithium Battle Borne

Order different mounts

Download and save on phone & compter

Hand Towel(s)

Lens test Zoom? Laptop monitor?

Tall Tripod

Rope edging

Attachemnt method ?