

# Composites

Monday, November 1, 2021 6:14 PM

KS2E Body							
Item	Quantity	Stock	machine	COTS	Have	Notes	completed
Nose body	1	y/n	5 aXIS	n	no		n
Side body	2	y/n	5 axis	n	no		n
floor	3	y	WJ	n	no		n
Hv cover	1	y/n	3d print	n	no		n

# Steering System

Wednesday, October 23, 2019 7:28 PM

KS2E Steering System							
Item	Quantity	Stock	machine	COTS	Have	Notes	completed
Momo Steering Wheel	1		Mill	Y		Milled Operation in middle	
Quick Connect	1		Lathe	Y		Turning Operation	
Column Bushing	1	Y	Lathe				Y
Steering Column	1	Y	Welded				
U-Joints	2			Y	Y		Y
Steering Rack	1			Y	Y		Y
Tie Rods	2	N	Welded	Y	N		
Rod Ends RH	2			Y	Y		
Rod Ends LH	2			Y	Y		
Clevis	2	Y	Mill				
Rack Mount Tabs	2	Y	WJ				

# Driveline System

Wednesday, October 23, 2019 7:28 PM

KS2E Steering System							
Item	Quantity	Stock	machine	COTS	Ordered	Notes	completed
Diff carriers	2	Yes	Mill	N			Y
Spool	1	Yes	Mill	N		Need new bearings	
Bearings	2	No		Y			
Sprocket	1	Yes	WJ	N			
Chain	1			Y			
Sprocket Adapter	1	No	Mill	N			
Motor Carrier Bearing	1			Y			
Diff Plate A	1	Yes	WJ	N			
Diff Plate B	1	Yes		N			
Clevis A	4	N		N		Metal 3D Print	
Clevis B	4	Y	WJ	N			
Tripod Joints	4			Y			
Axles	2			Y			

# Cooling System

Wednesday, October 23, 2019

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KS2E Cooling System							
Item	Quantity	Stock	machine	COTS	Ordered	Notes	completed
Pump	1			Y	Y		Y
1" Hard Tubes	2	N	Bent				
1" Rubber Couplings	4			Y	Y		N
Radiator Core	1			Y	N		N
Radiator Tanks	2	Y	Welded				
Distribution Block	1	Y	Lathe				
AN-6 Cooling Lines	4			Y	Y		Y
Reservoir	1	Yes	WJ, Lathe, Weld				
Mounting Brackets	2	Yes	WJ				
Motor Bungs	2	Y	Lathe				

# Suspension System

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KS2E Suspension System							
Item	Quantity	Stock	machine	COTS	Ordered	Notes	completed
Uprights	4	Yes	Mill				Y
UCA Mounts	4	No	Mill				
Hubs	4	No	Mill, Lathe				
Wheel Inserts	8	No	Mill, Lathe				
Yoke Plate	1	N	Mill				
Plate Inserts Top	2	N	Mill				
Plate Inserts Bottom	2	N	Mill				
Shocks	4			Y	N		
400Lb Springs	4			Y	N		
Bellcranks Front	2	N	Mill				
Bellcranks Rear	2	N	Mill				
UCA Front	2	N	Welded				
LCA Front	2	N	Welded				
UCA Rear	2	N	Welded				
LCA Rear	2	N	Welded				
Pushrod	2	N		Y	N	Carbon	
Pullrod	2	N	Lathe			Steel	
FK Sphericals	24			Y	N		
Rod Ends RH	8			Y	N		
Rod Ends LH	8			Y	N		
Bellcrank Bushings	4	N	Lathe			SAE 841	
Rear Suspension Tabs	4					3D Print	
Lower Pushrod Insert	2	N	Lathe				
Upper Pushrod Inserts	2	N	Lathe				


# Braking System

Wednesday, October 23, 2019

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KS2E Braking System							
Item	Quantity	Stock	machine	COTS	Ordered	Notes	completed
Brake Rotor	4	N	WJ, Mill				
Calipers	4			Y	N		
Pads	8			Y	N		
Master Cylinder Front	1			Y	N		
Master Cylinder Rear	1			Y	N		
Hard Lines	?			Y	N		
Pedal Assembly Material	1						
Bias Bar	1			Y	N		

# Accumulator System

Wednesday, October 23, 2019 7:28 PM

KS2E Accumulator System							
Item	Quantity	Stock	machine	COTS	Ordered	Notes	completed
Fan ducts	12	SLA	Resin printer	n			n
Fan mounting plates	12	polycarbonate	Water jet	n			n
Accumulator Floor	1	0.125 6061 Aluminum	Water jet	n			n
Accumulator Mounts	8	6061 Aluminum	CNC	n			n
Accumulator Chassis Mount	8	4130	CNC	n			n
HV Cover	1	Fiberglass	Composites	n		Needs mold	n
BMS Box	1	6061 Aluminum	Water jet	n			n
TSMP covers	1	PLA and Polycarb	-PLA printer -Waterjet	n			
DCDC box	1	PLA	-3D print	n			n
FAN Control Box	1	Pla	-3d print	n		Needs finalized fan controller	n