

"78 SR500 WEIGHTS

Qty. Description	component weight(lb)	sub-assy weight(lb)	percent of total(%)	unsprung weight(lb)
FRONT WHEEL ASSY		32.52	8.95%	32.52
1 front wheel	11.996			
1 front tire, Dunlop K81: 4.10H19	12.350			
1 tube	1.287			
1 brake disk	4.935			
6 disk mtg bolts	0.037			
3 disk mtg lock tabs	0.011			
1 front axle	1.125			
1 axle spacer	0.148			
1 speedo drive	0.423			
LEFT FORK LEG		8.80	2.42%	
1 fork tube	4.513			
1 fork slider, left	2.300			2.30
1 fork dmpr rod, base & bolt	0.513			0.51
1 fork spring & oil	1.476			0.74
RIGHT FORK LEG		8.73	2.40%	
1 fork tube	4.513			
1 fork slider, right	2.226			2.23
1 fork dmpr rod, base & bolt	0.513			0.51
1 fork spring & oil	1.476			0.74
FRONT BRAKE ASSY		5.12	1.41%	
1 caliper assy	3.116			3.12
1 upper & lower hose & union	0.664			0.33
1 master cylinder & lever	1.339			
TRIPLE CLAMPS		7.20	1.98%	
1 lower triple clamp	4.170			
1 steering bearings	0.324			
1 upper triple clamp	1.373			
1 handlebar clamps & bushs	1.336			
CONTROLS		7.53	2.07%	
1 gages, bracket	2.709			
1 handlebars	2.584			
1 swtchs, throttle & clutch lever	2.240			
HEADLIGHT & BRACKET		4.91	1.35%	
1 headlight shell & ring	1.261			
1 lamp (stock)	1.141			
1 bezel & adjuster	0.475			
2 mounting ears (ea)	0.211			
1 mounting frame & hardware	0.938			
1 horn	0.675			
FRAME & HARDWARE		51.47	14.16%	
1 bare frame	40.775			
1 eng mtg & misc hardware	2.872			
1 skid plate	0.619			
1 oil hoses	1.048			
1 side stand	1.378			
1 center stand	3.080			
1 tool box	0.335			
1 tool kit	1.366			

Qty. Description	component weight(lb)	sub-assy weight(lb)	percent of total(%)	unsprung weight(lb)
ENGINE & EQUIPMENT		101.76	28.00%	
1 engine	96.000			
1 shift pedal	0.327			
1 kick start lever	1.411			
1 carb mount rubber	0.295			
1 chain	3.723			1.86
CARBURETOR & FILTER		5.46	1.50%	
1 carburetor	2.831			
1 air box and clamps	2.628			
EXHAUST ASSY		17.16	4.72%	
1 headpipe	4.634			
1 muffler	12.528			
REAR FENDER		5.22	1.44%	
1 chrome fender (rear part)	3.001			
1 plastic fender (front part)	0.421			
1 tail lamp assy	1.794			
REAR SUSPENSION		11.23	3.09%	
1 swing arm	8.128			4.06
1 bushes, bearings & caps	1.014			
1 swing arm bolt	1.160			
1 torque arm	0.926			0.46
SHOCKS		7.10	1.95%	
2 stock shocks (ea) ref only	3.849			
2 marzocchi shocks (ea)	3.418			3.24
1 mounting hardware	0.266			0.13
REAR BRAKE ASSY		6.45	1.77%	
1 rear caliper assy	3.479			3.48
1 brake hose & clamps	0.295			0.15
1 rear master cylinder	0.717			
1 pivot shaft	0.807			
1 pedal	1.147			
REAR WHEEL ASSY		41.36	11.38%	41.36
1 rear wheel	15.173			
1 rear tire, Dunlop k81: 4.25/85H18	13.294			
1 tube	1.336			
1 brake disk	4.186			
6 disk mtg bolts	0.033			
3 disk mtg lock tabs	0.011			
1 cush drive & sprocket	5.427			
1 rear axle spacer	0.187			
1 rear axle & adjusters	1.525			
BATTERY & ELECTRICS		15.07	4.15%	
1 battery box & hardware	1.410			
1 battery	6.279			
1 ignition module	0.833			
1 regulator	0.468			
1 wire harness	2.088			
1 ignition coil	1.061			
2 front turn signal (ea)	0.763			
2 rear turn signal (ea)	0.703			

Qty. Description	component weight(lb)	sub-assy weight(lb)	percent of total(%)	unsprung weight(lb)
FOOT RESTS		4.43	1.22%	
1 main (pair)	2.915			
1 passenger (pair)	1.518			
BODY WORK		20.37	5.60%	
1 tank assy	8.361			
1 seat assy	6.776			
1 side covers (pair)	0.725			
1 chain guard	1.313			0.66
1 front fender	3.190			3.19
CABLES		1.54	0.42%	
1 clutch & compression release	0.746			
1 speedo & tach	0.796			
TOTAL	363.43	363.43	100.0%	101.77

The preceding information was compiled by: Bob Paul, FSSNOC #840 (MD).

An accurate Chem-Lab scale was used for all but the frame and motor.

The base motorcycle was a 1978 Yamaha SR500.

The real usefulness of this exercise may be to give a comparison of stock parts vs. aftermarket items prior to your spending the big bucks for that advertised weight savings. Interesting stuff!