



universal hovercraft

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UH-18SPW Component Kits

Kit*	Qty
Wing Kit	
20 ft 6061-T6 aluminum wing spar	2
Aluminum spar end cap	4
15' wing strap	1
1"x8'x4' extruded polystyrene foam board	2
2"x8'x4' extruded polystyrene foam board	2
1/8"x8'x4' marine plywood	2
Vinyl coated nylon (price per linear yard)	12
Hull Kit**	
1"x8'x4' extruded polystyrene foam board	1
2"x8'x4' extruded polystyrene foam board	3
3"x8'x4' extruded polystyrene foam board	11
1/8"x8'x4' marine plywood	9
<i>**Must be shipped by truck or ocean</i>	
Hardware Kit	
UH-18SPW Plans	1
3 Gallon epoxy kit	1
2-pump kit	1
3.25 oz. Fiberglass cloth (price per linear yard)	10
6 oz. Fiberglass cloth (price per linear yard)	10
Vinyl Coated Nylon Skirt material (price per linear yard)	9.5
300 skirt screws	1
1 pint HH-66 skirt glue (HH-66 is hazardous. It cannot be shipped outside of the United States)	1
Steering cable (price per foot)	95
Drive Component Kit for use with Engines under 120 hp	
Prop Shaft Assembly	
60-53 pre-shaped propeller	1
7.25" prop hub (requires P1 bushing)	1
7.25" hub backing plate	1
P1-1 3/8" bushing	1
1 3/8" Pillow Block Bearing with locking collar	2
1 3/8"x18" stainless steel keyed shaft	1
10.75" 6-groove 3V wood sheave (requires P2 bushing)	1
P2-1 3/8" bushing	1
P bushing backing plate for wood sheave	1
Fan Shaft Assembly	
34-28 pre-shaped lift fan	1
5.5" fan hub (requires P1 bushing)	1
5.5" hub backing plate	1
P1-1" bushing	1
1" Pillow Block Bearing with locking collar	2
1"x12" stainless steel keyed shaft	1
9" 5V aluminum pulley (requires H bushing)	1
Hx1 bushing	1
Engine Sheave Assembly	

1 1/8"x16" stainless steel keyed shaft	1
1 1/8" Pillow Block Bearing with locking collar	2
6.5-5.5-4.5 5V aluminum combo pulley (requires P bushing)	1
P1-1 1/8" bushing	1
4.7" 6-groove 3V aluminum sheave (requires P bushing)	1
P1-1 1/8" bushing	1
Everflex Coupler	1
P1-1 1/8" bushing	1
Idler Components	
12" of 1/4" keystick for lift fan shaft and engine shaft	1
6" of 5/16" keystick for prop shaft	1
7" 5V idler pulley with 5/8" bearing	4
5/8"-11 threaded rod (price per foot)	3
1/2"-13 threaded rod (price per foot)	4
1/4"-20 threaded rod (price per foot)	1
Belts	
6GB3VX560 Belt	1
5V3350 Belt (for use without Variator)	1
5V950 Belt (for use with Variator)	1
5V2650 Belt (for use with Variator)	1
Drive Component Kit for use with Engines of 120+ hp	
Prop Shaft Assembly	
60-53 pre-shaped propeller	1
7.25" prop hub (requires P1 bushing)	1
7.25" hub backing plate	1
P1-1 1/2" bushing	1
1 1/2" Pillow Block Bearing with locking collar	2
1 1/2"x18" stress proof keyed shaft	1
10.75" 8-groove 3V wood sheave (requires Q1 bushing)	1
Q1-1 1/2" bushing	1
Q bushing backing plate for wood sheave	1
Fan Shaft Assembly	
34-28 pre-shaped lift fan	1
5.5" fan hub (requires P1 bushing)	1
5.5" hub backing plate	1
P1-1" bushing	1
1" Pillow Block Bearing with locking collar	2
1"x12" stainless steel keyed shaft	1
9" 5V aluminum pulley (requires H bushing)	1
Hx1 bushing	1
Engine Sheave Assembly	
1 1/4"x16" stress proof keyed shaft	1
1 1/4" Pillow Block Bearing with locking collar	2
6.5-5.5-4.5 5V aluminum combo pulley (requires P bushing)	1
P1-1 1/4" bushing	1
4.7" 8-groove 3V aluminum sheave (requires P2 bushing)	1
P2-1 1/4" bushing	1
Kop Flex Coupler	1
Idler Components	
12" of 1/4" keystick for lift fan shaft and engine shaft	1
6" of 5/16" keystick for prop shaft	1
7" 5V idler pulley with 5/8" bearing	4
5/8"-11 threaded rod (price per foot)	3
1/2"-13 threaded rod (price per foot)	4
1/4"-20 threaded rod (price per foot)	1
Belts	
8GB3VX560 Gates Belt	1
5V3350 Gates Belt (for use without Variator)	1
5VX950 Gates Belt (for use with Variator)	1
5V2650 Gates Belt (for use with Variator)	1

Variable Thrust System Kit (optional)	
Variator with two (2) 1" pillow block bearings (requires 5V950 and 5V2650 belts)	1
Options	
EA-81 Subaru engine - Carbureted - 85 HP	
EA-82 Subaru engine - EFI - 100 HP	
EJ-22 Subaru engine - EFI - 150 HP	
Complete wiring harness for EA-81 Subaru	
Finished Engine Mount for EA-81 and EA-82	
Finished Engine Mount for EJ-22	
Pre-fab Hull (in addition to hull kit)	
Finished Skirt for pre-fab hull	
Upgrade to Finished 60-53 Prop	
Upgrade to Finished 34-28 Lift fan	
Finished lift duct	
Finished thrust duct	
Gauge package (airspeed, oil pressure, water temp, tachometer)	
Joystick kit with twist grip throttle assembly	

*Prices, shipping weights, and dimensions are subject to change without notice.

†Kit requires some additional basic hardware items such as fasteners, metal tubing, paint, upholstery, and common lumber. See plans for details.