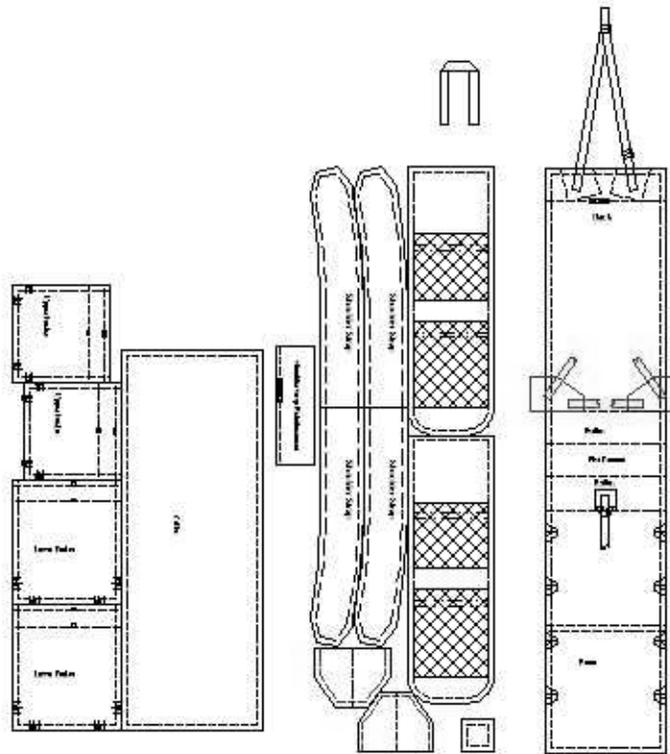


Pieces:



Materials:

Body, sides, shoulder straps, reinforcement: 36" x 54" rip stop or cordura

Collar 13" x 35" rip stop or silnylon

Pockets 10" x 41" stretch mesh or ?

Misc: 1/2" grosgrain for lash loops.

3/4" webbing

foam padding

buckles

thread

drawcord

1. Print pattern (Kinko's, Staples, Office Depot, etc).
2. Cut out pattern.
3. Lay out and cut fabric.
4. Sew shoulder straps (fabric and webbing extensions).
5. Sew top hem of pockets.
6. Sew waist belt/shoulder strap reinforcements (fabric and webbing extensions).
7. Hem lower 'y' strap reinforcement along all four edges.
8. Sew bottom center lash loop to wrong side of 'y' strap reinforcement.
9. Sew 'y' strap reinforcement to body.
10. Sew lower 'y' strap to reinforcement.
11. Sew grosgrain lashing loops to seam allowance of body.

12. Sew waist belt/lower shoulder strap reinforcement to ‘right’ side of body positioned as shown.
13. Sew a hem along one long edge of the shoulder strap cover.
14. Sew long edge of shoulder strap cover without hem to body, right side to right side, positioned as shown on pattern.
15. Sew upper ‘y’ strap to body as shown. Don’t sew within ‘body to collar’ seam allowance.
16. Sew carry loop to body. Don’t sew within ‘body to collar’ seam allowance.
17. Sew upper shoulder straps to body as shown. Don’t sew within ‘body to collar’ seam allowance.
18. Fold shoulder strap cover up over raw edges of shoulder straps, ‘y’ strap and carry loop. Sew to body. Don’t sew within ‘body to collar’ seam allowance.
19. Place a pocket upside down on a side fabric piece, right side to right side. Sew bottom seam to side piece, folding the two pleats as you go. Fold pocket right side up. Sew sides of pockets to side, folding pleats as you go. Refer to pattern for placement. Sew remaining pockets.
20. Pin one side piece to the body, right side to right side, with top front corners and top back corners aligned. Sew together ½” from edge. Snip along the radius corners as necessary. Sew the other side to the body.
21. Sew the extended ends of the waist belt/shoulder strap reinforcement to the body inside the pack.
22. Sew a draw cord channel along one long edge of the collar. Sew the two short edges together to form a cylinder.
23. Pin body and collar right side to right side and sew together.
24. If desired, add binding tape to seams for finished look and fray protection.

### Tips

All seam allowances are ½”

¾” flat elastic can be sewn into the pocket hems if needed.

Shoulder straps can be sewn together wrong side to wrong side with padding in between then the edges finished with binding tape.

or

Shoulder straps can be sew together right side to right side then turned right side out. Padding can be put in shoulder straps as the straps are being turned right side out.

A hydration pocket can be sewn to the wrong side of the body prior to assembly.