Nissan Green Team Compost building instructions

Step 1 - Gather the hardware needed

- (2) 2.5" Barrel Hasps
- (4) "L" Brackets
- (32) 12 - 24 nuts
- (8) 3/16 x 1 1/4 Fender washers
- (2) 5/16 x 4 1/2 carriage bolts
- (2) 5/16 flat washers
- (2) 5/16 nuts
- (32) Machine screws 12-24
- (2) 4" Hinges
- (10) 3" Wood screws
- (1) U Bolt w/ bar
- (4) 1/4 nuts

Hardware

Step 2 - Gather the tools needed

- Skill Saw
- Jigsaw
- Drill
- Hack saw
- Tape measure
- Door Template 8.5 x 11.5
- 1 5/8 Hole drill bit
- (3) Drill bits - (3/16) (1/2) (7/32)
- Sharpie marker
- Square
- Adjustable wrench

Tools

Frame assembly cont...

- Lock (2) 4 x 4 post into each other, this will be the L/side
- Drill hole in middle for carriage bolt using 5/16 bit
- Insert 4.5" carriage bolt through hole or 4" if you can find them & it will eliminate cutting off excess threads
- Rounded side outward
- Secure using 5/16 washer & nut
- Cut off excess threads w/ hack saw
- Use adjustable wrench to tighten
- Repeat step 4 for R/side

Assemble barrel to fram cont.....

- Set drum & pole to top of frame into "V" centered on LS & RS. Drill through pole as pictured on LS using 3/16 bit & secure using 3" screw. Repeat on RS.

Step 6 - Mark for door opening

- Fold these directions in half & mark door opening. Locate the barrel seam & place template in middle of barrel. Do not cut out at this time.
Step 8 - Cut out door opening

Drill (4) pilot holes in each corner of template using 1/2 drill bit. Use jigsaw to cut out door.

Step 9 - Secure hinges/hasps/handle

Place cut out door in opening and install all hinges & barrel hasps using (24) 12-24 machine screws & (24) 12-24 nuts. Place (8) 3/16 x 1/14 flat fender washers prior to install in nuts at the points shown in picture.

Install handle using hardware that came attached with it.

Tighten all nuts securely using wrench to hold nuts.
Step 3 - Gather the materials needed

(1) 55 gallon barrel
(2) 48" 2 x 4's
(4) 48" 4 x 4's
(1) 48" metal 1.5" post

Step 4 - Frame assembly

Mark (4) 48" 4x4 post 5" down to 8.5"
Skill saw to cut multiple slits 1/2 depth
Use hammer to knock out wood

Step 5 - Assemble barrel to frame

Secure w/ drill and phillips bit (2) 2x4's above each mark using (8) 3" wood screws.
Using (1) 5/8 hole bit drill on seam in center of barrel both top & bottom of barrel.

Step 7 - Mark & drill holes for hinges/barrel hasps/handle

Measure 8" & 20" from bottom of each 4x4 & mark using sharpie
Insert 48" pole through both holes leaving equal lengths on both sides.
Locate handle 2" from bottom in the middle of the barrel hasps. Mark and drill (2) holes using 5/16 drill bit.

Materials

Measure within template markings 1" inward from LS & RS and place (4) marks at top & bottom.
Place 4" hinge to top of template mark as shown & mark each hinge hole for drilling later. Repeat on other side.
Locate 2.5" barrel hasp to 1" mark at bottom as shown and mark each hasp.

Drill all marked holes using 7/32 drill bit. There are (24) holes total for both the
Step 10 - Drill & install "L" brackets

Using tape measure mark w/ sharpie on vertical seam opposite of door opening as pictured at 6”-12”-20”-28”.

Place the (4) "L" brkts. on these marks & mark (2) holes each to barrel side. Drill marked holes using 7/32 drill bit. Push (8) 12-24 machine screws through holes from outside.

Place L brkts onto screws inside barrel alternating as shown. Secure with 12-24 nuts.

Step 11 - Drill ventilation holes

Mark holes for ventilation measuring from top of barrel to bottom of barrel at 4”/8”/12”/16”/20”/24”/28” across and at 8” around barrel. Then 2 on each side evenly on LS & RS of door. Drill (60) holes for ventilation using 1/2 drill bit.

You have now completed your compost barrel. SS your area.