30680 AAT
Written by Daniel Turner and tested by Jolene Nemeth.

- Celebrate the 25th anniversary of Star Wars: The Phantom Menace and introduce kids to LEGO® Star Wars™ sets with this AAT mini build, featuring a rotating laser cannon.
- 75 pieces
- This set measures approximately 3.5 inches (8.9 cm) long, 2.5 inches (6.4 cm) wide, and 2 inches (5.1 cm) tall.

The front of the bag shows the tan AAT hover tank on a wide-open grass field with a few rolling hills in the background. A clear blue sky stretches to the horizon with a few puffy white clouds at the top right. The base of the AAT is a half circular "skirt" that slopes up to the main body of the tank. There is a notch in the center of the circular base. The body of the tank is located about halfway back from the front of the base and slopes upwards and back, extending out past the back of the base. Two cylindrical generators stick up and back along the side of the tanks body from the back edge of the base. There is a domed front hatch on the forward slope. Two arms for the AAT's blasters are on the upper part of the tank's body and stick straight out from each side. A roughly circular turret is perched on the back half of the tanks body and is slightly domed on top. A heavy laser cannon sticks out from the center of the turret with a shroud covering the back quarter of the cannon. The end of the cannon barrel is a cone.

The build is 75 pieces and there are 19 steps to the build.

Some facts about the AAT:

- The Armored Assault Tanks (AAT) is the primary tank of the Trade Federation and later the Confederacy of Independent Systems (CIS) during the Clone Wars. Trade Federation AATs are shown in a tan color while CIS AATs are typically shown in a blue and grey color scheme.
- The AAT is a repulsor tank, so it hovers just off the ground using an array of anti-gravity plates on it's underside. This allows it to easily move over terrain that other vehicles would get bogged down in. However, the AAT cannot pass through energy shields and the droid crew will be disabled if their control ship is destroyed.
- The AAT is protected with layers of heavy armor and possess an arsenal of blaster cannons on side "arms", a heavy laser cannon in the turret, and a series of three projectile launchers in the two "wings" on the bottom of the tank, all controlled by a crew of 2-4 battle droids.
- The AAT first appeared in STAR WARS: The Phantom Menace leading the Trade Federation's attack on the planet of Naboo. But only a few parts are visible or the AAT is in the background until the battle against the Gungans on the open plains of Naboo at the film's climax.

Welcome to text-based instructions from Bricks for the Blind. Before you start building, here are some terms we'll be using:

- In Front of/Front: towards you.
- Behind/Back: away from you.
- Up: towards the ceiling.
- Down: towards the floor.
- Stud: the bump on a LEGO brick. Example: A 2x1 brick has two studs on it.
- Vertically: with the longest side going from front to back
- Horizontally: with the longest side going from left to right.
- Upright: pointing up towards the ceiling.
- Standing upright: The piece is perpendicular to the ground, like a wall.
- Lying flat: The piece is parallel to the ground, like a piece of toast which fell off the table.
- That one/ppp: previously placed piece.
- Plate: piece with studs.
- Tile: smooth piece without studs (unless otherwise specified)
- A jumper plate is a 1x2 plate with a single stud on top, or a 1x3 plate with only two studs on top.

- “Anti-stud” is a term for the portion of a LEGO piece which accepts studs, like the bottom of a plate or brick.
- Symmetrically: a mirror image. Example: If you place a 2x1 brick with technic connector on the front wall at the right, connector to the front, and then place another such piece symmetrically on the back wall, at the right, the technic connector of the second piece should point to the back, since it will be placed symmetrically.
- Centered-vertically: even amount of space in front of and behind piece
- Centered-horizontally: even amount of space left and right of piece.
- Row: studs lined up horizontally (left to right/side to side).
- Column: studs lined up upright or vertically (top to bottom/back to front).

For builders with low vision, or a sighted building partner who may want to follow along with the printed visual instructions that come with each set, PDF versions are always online at [30680 LEGO Star Wars AAT]. As low vision users may benefit from viewing the instructions on a personal device where they can zoom in on content and use assistive technologies to enhance the visuals.

Sorting the pieces:
To begin a successful build, it helps to sort the pieces into groups, bags or small containers. Have a sighted friend or family member do this in advance following the instructions below. You will see that the pieces should be sorted into groups according to the building steps in the set. Doing this in advance makes locating the pieces easier. See below on how to sort the pieces to correspond to the steps in this set. Number the containers using letters A-Z, numbers or meaningful names. The parts will be collected into a small number of steps in the instructions. Example: Steps 1-3 means collect all the parts used in steps 1, 2 and 3, and put them in one container.

- The 1st group contains the pieces for steps 1-5:
  - 2 black 2x4 plates
  - 1 black 2x4 left wedge wing
  - 1 black 2x4 right wedge wing
  - 4 medium grey round bottom 2x2 round plates
  - 1 tan 2x2 curved slope
  - 1 medium grey 1x2 plate
  - 1 dark grey 2x2 plate
  - 2 dark tan 1x1 round tiles
  - 2 dark tan 2x3 curved slopes
  - 2 tan 1x3x3 round quarter slopes
- The 2nd group contains the pieces for steps 6-7:
  - 2 tan 1x2 45 deg. Slopes
  - 2 tan 1x1 bricks with side stud
  - 1 dark grey 1x2 rounded plate
  - 2 tan 1x3x2 arches
  - 1 dark grey 2x2 plate
  - 2 tan 1x2x1.3 curved slopes with plate
- The 3rd group contains the pieces for steps 8-10:
  - 2 dark grey 1x2 rounded plates
  - 4 tan 1x1 curved slopes
  - 2 tan 1x1 bricks with side stud
  - 2 tan 1x1 cones
  - 1 dark tan 1x2 plate with open ended handle

    - 2 dark tan 1x1 plates
    - 1 tan 2x2 curved slope
- The 4th group contains the pieces for steps 11-13:
    - 2 black hose nozzles with side hole
    - 2 dark grey 1x2-1x2 brackets
    - 1 black 2x2 turntable base
    - 1 medium grey 2x2 turntable plate top
    - 2 tan 1x2x1.3 slopes with plate
    - 2 dark tan 1x1 plates
    - 2 tan 1x2 curved slopes
- The 5th group contains the pieces for steps 14-17:
    - 1 dark tan 1x1 round tile
    - 1 tan 1x1 plate with horizontal clip
    - 2 dark grey 2x2 plate
    - 1 medium dark flesh 1x2 plate with horizontal clip
    - 2 dark grey 1x2-1x2 brackets
- The 6th group contains the pieces for steps 18-21:
    - 2 medium grey 1x2 plates
    - 2 tan 1x3x2 curved arches
    - 2 tan 1x2 curved slopes
    - 1 tan 4x4 dish
- The 7th group contains the pieces for steps 22:
    - 1 dark tan 1x2 plate with open ended handle
    - 1 tan 2x2 plate with lower cross hole
    - 1 dark grey half pin with ridges
    - 1 tan 2x2 tile
    - 1 black 6L bar with stop
    - 1 tan 1x1 cone

1. Place one black 2x4 plate vertically in front of you. Place a second black 2x4 plate horizontally on the two center rows of the ppp so its two rightmost columns overhang to the right.
2. Attach the studs of the left and right 2x4 wing wedges to the bottom of the top plate. The edges of the wing wedges should be flush and inline with the bottom black 2x4 plate to make a roughly triangular shape. Remember, there are two different orientations of wedge plates and you need one of each. The angled side of the right wedge plate faces the front right and the left wedge plate will be symmetrical on the back—it will face back right.)
3. Flip over the part you just made so that the top studs face down and the anti-studs face up. The narrow side of the build will be facing towards the right. Get the four medium grey 2x2 plates with round bottom. Put one round bottom plate in between the two wedge wings and flush with the tip (the short end) of the arrow shape. Place another round bottom 2x2 plate on the edge that is closest to you of the black 2x4 plate that makes up the bottom of the triangle. Two studs of the round bottom 2x2 plate you just placed should overhang one row to the front. Add another grey round bottom 2x2 round plate symmetrically at the back. Add the last grey 2x2 round bottom plate one row to the back from the front of the black 2x4 plate. It will be at the intersection of the black 2x4 plate and both black wedge wings.
4. Flip the build over so that it's right-side up, and the narrow side faces to the right. Place a tan 2x2 curved slope in front of you so that the higher part of the bottom faces to the right. Attach a grey 1x2 plate vertically underneath the left column of the tan 2x2 slope. Attach the left column of the

bottom of the tan 2x2 curved slope onto the two studs on the left end of the black 2x4 plate, centered vertically. The tan 2x2 slope will be sloping to the left and the grey 1x2 plate will be on the left and extend one column to the left. Attach a dark grey 2x2 plate in the middle of the black 2x4 plate in the middle, to the right of the ppp. Finally, attach two dark tan 1x1 round tiles onto the front and back studs of the rightmost column.

5. Attach the two dark tan 2x3 slopes vertically on both sides of the dark grey 2x2 plate. One dark tan 2x3 slope will slope to the front and the other symmetrically at the back. The dark tan slopes will both be completely covering the studs of the two grey round bottom 2x2 plates that we left exposed in step 3. The build will be shaped like a plus sign at this point, with one dark tan slope pointing towards you, the other dark tan slope pointing away, the tan 2x2 slope pointing to the left, and the wing pieces with the two dark tan 1x1 round plates on the end pointing to the right. Attach a tan 1x3x3 round quarter slope in the back left corner, between the tan 2x2 plate and the dark tan 2x3 slope that faces away from you. Attach the second 1x3x3 round quarter slope on the opposite side of the first, at the corner between the tan slope pointing towards you and the tan 2x2 slope. At this point you'll have two curved sides (I think they look like the ends of a pair of shoes) with a small notch in the middle facing to your left. This may seem a little odd but it is correct.
6. Place two tan 1x2 slopes on the dark grey 2x2 plate horizontally in the center of the build, with the sloped side facing to the left. If you're having trouble finding it, the dark grey 2x2 plate is in between the two dark tan 2x3 slopes and in line with the notch in the middle of the two curved parts on the left side of the build. Place two tan 1x1 bricks with side studs on the column to the right of the ppp, with one brick's side stud facing towards you and the other brick's side stud facing away from you. The two tan 1x1 bricks with side studs will be lower than the two tan 1x2 slopes, so don't worry if the tops of the two 1x1 bricks aren't flush with the two tan slopes.
7. Make a part: Place a dark grey 1x2 rounded plate vertically in front of you. Place a tan 1x3x2 arch horizontally onto the front stud of the 1x2 rounded plate. The arch should overhang two columns to the right. Attach another tan 1x3x2 arch brick on the back stud of the rounded plate in the same orientation. Place a dark grey 2x2 plate on the left column of the arch bricks so it overhangs one column to the left. Now take two tan 1x2x1.3 slopes with plates. Attach the two slopes in the middle two columns of the sub-build so that they are centered horizontally and slope to the left, one on the front row and one on the back row. Orient the sub-build so that the arches overhang to the right. Place the sub-build on the middle two rows of the column to the right of the two tan 1x1 bricks with side studs.
8. Make two identical parts: place a dark grey 1x2 rounded plate horizontally in front of you. Attach two tan 1x1 half cylinders onto the dark grey rounded plate so that the tan half cylinders curve to the front and back. You'll use four tan 1x1 half cylinders in total between the two parts. Orient both parts vertically and place the bottom anti-stud of the dark grey rounded plates of the two parts upright onto the front and back facing side studs. Rotate these sub-builds so that the free stud of the grey plates points up and to the right. A bit of trivia: on the in-universe AAT these are the power generators for the tank's systems.
9. Make a part: Place a 1x1 brick with side stud in front of you with the side stud facing front. Attach a 1x1 cone brick to the side stud. Repeat so you have two parts. Place these on the leftmost column of the 2x2 plate from step 7 so the cones point to the front and back These make up the "arms" of the AAT, where the blaster cannons are mounted.
10. Make a part: Take a dark tan 1x2 plate with open ended handle and orient the plate so that the handle is on the left side. Attach a dark tan 1x1 plate to each of the two studs on the 1x2 plate with handle. Now take a tan 2x2 slope and orient it so that it slopes down and to the left. Put the leftmost column of the slope onto the 2x1 plat ewith handle. Attach the dark tan 1x2 plate with open ended handle onto the leftmost column of studs on the main build.
11. Slide the handles of the two black hose nozzles with side holes into the holes on the end of the cones that face to the front and back. This completes the AAT's blaster cannons. Now add two dark grey 1x2 plates with two side studs to the studs on the right end of the build, one at the front and the other at the back They are placed vertically on the rightmost column and overhang one stud to the right, with the side studs below the plate, with one set of two side studs facing forward and the other with side-studs facing to the back.

12. Go left one column of studs from the right and then place the black 2x2 turntable base over the next two columns of studs to the left. The left edge of the turntable base will be flush with the two tan slope pieces there. Then add the medium grey 2x2 turntable plate to the turntable base. There's a small post in the center of the turntable plate that clicks into a hole in the center of the turntable base to let the plate rotate.
13. Let's make two identical parts: take a tan 1x2x1.3 slope with plates and place it horizontally in front of you so that it slopes to the left. Attach a dark tan 1x1 plate to the rightmost anti stud. Then attach a tan 1x2 curved slope to the rightmost column of studs on the tan 1x2x1.3 slope. The tan 1x2 slope will slope and overhand to the right. Repeat this so you have two identical parts. Finally, attach the anti-studs of the combined slope pieces of one part that you made to the side studs of the dark grey bracket added in step 11. It's easiest to add the first part to the side studs that face towards the back. Repeat symmetrically with the row of side studs facing towards the front.
14. Make a part: Attach a dark tan 1x1 round tile to the stud of a tan 1x1 plate with horizontal clip. Then clip the clip portion of the part you've made onto the middle part of the open ended handle added to the build in step 10. If you're having trouble finding it, go to the left end of the build then feel along the build to the right. It will be roughly in the middle of the build. To find the middle part of the open ended handle feel along it from front to back, Once you feel one stop, continue to feel along the handle to find the second stop just to make sure you have the middle. This completes the drivers hatch of the AAT! The round tile will face to the left. Finally add a tan 2x2 plate to the top studs of the dark grey brackets added in step 11, just to the right of the turntable.
15. Make a part: Place a dark grey 2x2 plate in front of you.
16. Attach a dark grey 2x2 plate to the right column of the PPP—this plate will overhang by one column to the right. Attach the plate portion of a medium dark flesh 1x2 plate with horizontal clip vertically to the left column of the bottom dark grey plate, the clip will be to the left.
17. Attach a dark grey 1x2 plate with two side studs horizontally on top of the two leftmost columns of studs. Repeat symmetrically to the back. One set of side studs will face the front and the other will face to the back, with both sets of side studs below the plate.
18. Attach a medium grey 1x2 plate horizontally upright to the front facing side studs. Repeat with a second medium grey 1x2 plate symmetrically with the side studs facing the back. Vertically attach a dark grey 1x2 rounded plate to the rightmost column of the sub-build.
19. Let's make two identical parts: Place a tan 1x3x2 curved arch horizontally in front of you so that it slopes to the right. Attach a tan 1x2 curved slope to the leftmost column of studs. Both pieces will be in line with each other with the tan 1x2 slope sloping to the left. Repeat so you have two parts. Attach your part to the front facing side studs of the sub build so the arch curve faces the front right. Repeat symmetrically to the back.
20. Place the tan 4x4 dish between the two studs of the dark grey 1x2 rounded plate and the left hand studs of the two dark grey brackets. This completes the AAT's turret.
21. Attach the bottom dark grey 2x2 plate of the turret to the medium grey turntable plate. The clip will face left.
22. Make a part: (The turret's laser cannon.) Place a dark tan 1x2 plate with open ended handle vertically in front of you with the handle facing right. Attach the row of two anti-studs on the bottom of the tan 2x2 plate with hole to the studs of the dark tan 1x2 plate with open ended handle. The hole will face left. Insert the pin end of a dark grey 1L pin with stud into the hole of the tan 2x2 plate with bottom hole. Then cover the studs of the tan 2x2 plate with a tan 2x2 tile. Then take the black 6L bar with end stop and orient the black bar so that the end with stop is at the left. Slide the other end of the black bar into the hole in the dark grey pin until it hits the end. Slide the wide end of a tan 1x1 cone onto the other end of the black bar until it hits the stop. This completes the heavy laser cannon assembly. Finally, attach the middle part of the handle on the right side of this part to the exposed medium dark flesh horizontal clip on the turret.

This completes the build of the AAT! You can rotate the turret around, raise and lower the heavy laser cannon of the turret, and raise and lower the two blasters on the sides of the AAT.

Thank you so much for building this set!

There are no ads after the instructions end.

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