

“A” Stock Attex 6x6 Racer

Project:

To build a 6x6 racer to compete in the 2024 New East Extreme Dirt Track Series for Traci Davis.

Expectations:

Students will assess a current 6x6 machine and determine what is needed to build a racer.

Students will:

- Tear down the machine
- Inventory parts that can be reused
 - Bag and label parts, and keep an inventory of them
- Inventory parts that will need to be replaced
 - Bag and label parts to keep to compare with the new parts to ensure that they will fit
- Order new parts
 - Look up new parts
 - Order new parts
 - Reconcile the shipping receipt with the new parts
- Clean and Paint parts that will be reused
 - Includes glass beading
- Clean and repair the lower body as needed
- Paint lower body (black)
- Install a new poly upper body
- Assemble machine
- Test run the engine and machine

Major Components:

Kohler K295 or JLO Rockwell L297 2-Stroke Engine

Kohler K295

- If we use the K295, it will just need a new ignition and timing set

JLO L297

- Disassembly
- Inspect for wear
- Order new parts
 - This also includes interacting with the machine shop
- Engine assembly
 - Piston Rings
 - Cylinder
 - Head
 - Set timing
 - Test run

Fabricate New Roll Cage

Axle Fabrication