REAR SUSPENSION

Trailing Link Design
- Travel
  - 4.1 in. Compression
  - 3.8 in. Droop
- Track
  - 58 in.

Custom Shocks
- Valves, Springs, and Length
- Adjustable
  - Hi/Lo Rebound
  - Hi/Lo Compression
  - Preload
REAR SUSPENSION

Design is 90% Complete
- Currently checking for interference

Materials received
- Jig design to begin shortly
- Machining has started on tube inserts
DRIVETRAIN

Received Gaged Engineering CVT
• Created ABS CVT cover

Moving forward with gearbox design
• Researching machining services

Gears, shafts, and case material ordered
CVT COVER
<table>
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<tr>
<th>Task Name</th>
<th>Nov ’11</th>
<th>Dec ’11</th>
<th>Jan ’12</th>
<th>Feb ’12</th>
<th>Mar ’12</th>
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**SAE Baja Project**

- **Suspension**
  - Define front geometry
  - Design fixture jig
  - Create FEA forces
  - FEA and review
  - Order Parts
  - Manufacture

- **Rear**
  - Define rear geometry
  - Order parts
  - Design rear upright
  - Create FEA forces
  - FEA and review
  - Manufacture

- **Drivetrain**
  - Design New Drivetrain
  - Research and order New CVT
  - Calculate drive/gear ratio using new CVT
  - Order gears and have custom belts made
  - Construct drive train housing
  - Install belts and gears in housing
  - Mock-up and build subframe
  - Mount subframe and gearbox

- **Correspondence**
  - Construct initial powerpoint and report
  - Construct executive report and powerpoint

**Participants**

- Tyler
- Sean
- Andrew, Sean
- Baja Team
- Dustin, Justin, Ross
- Dustin, Justin, Ross
- Baja Team
QUESTIONS