

Design Exercise #3. Detailed Design of Battery Holder Assigned: 3/31/14, Due Date: 4/2/14

Grading:

15 points (style, grammar, organization),

25 points (quality of drawings),

10 points (buildability)

0 points (Design Content: Calculations),

0 points (Design Content: Functional Requirement-Design Feature Mapping),

0 points (Design Content: Cost Estimates)

45 points (Design Content: Design Quality, Completeness)

Design an add-on to the Spine (see calliope for spine solid model) which will contain the Exide motorcycle battery.

The battery must be accessible from underneath the robot for changing, since the top of the robot will be covered with a frame/skirt.

The spine may be modified so as to accommodate the new mounting; however, you will probably need a fixture or template to accomplish those modifications. Any necessary fixtures or templates must be included as part of the design.