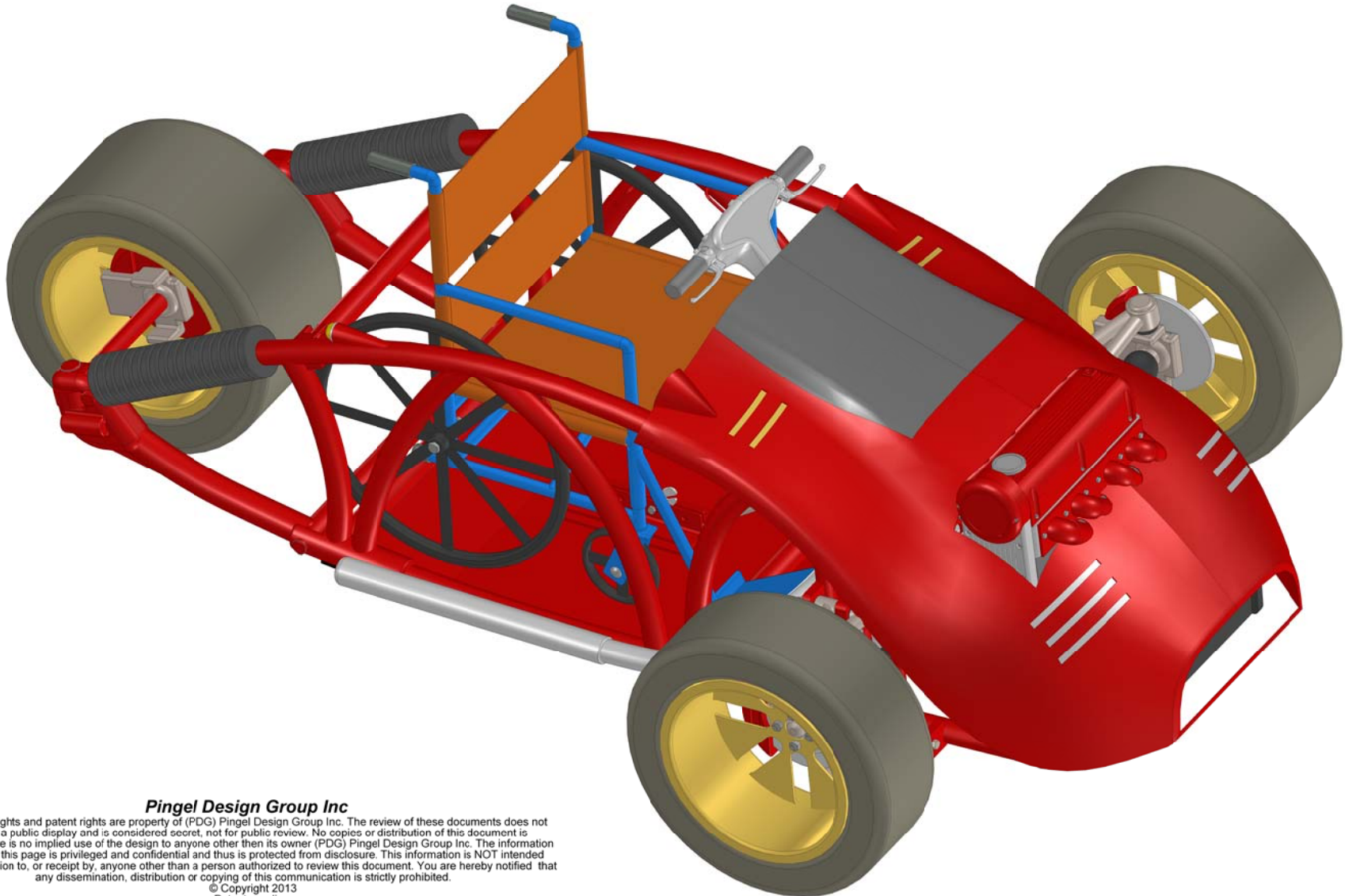


# ***Trident wheelchair motorcycle***

Trident wheelchair motorcycle is designed to accommodate any type of wheelchair including electric wheelchairs. The minimalist design approach captures the look and feel of a motorcycle.

Easy access entry; is created by kneeling chassis with swing away tire allowing access to driver position

The Trident wheelchair motorcycle is the first multi-fuel motorcycle using earth stewardship design principles which incorporates reuses products, helping the environment and going fast all in one design.



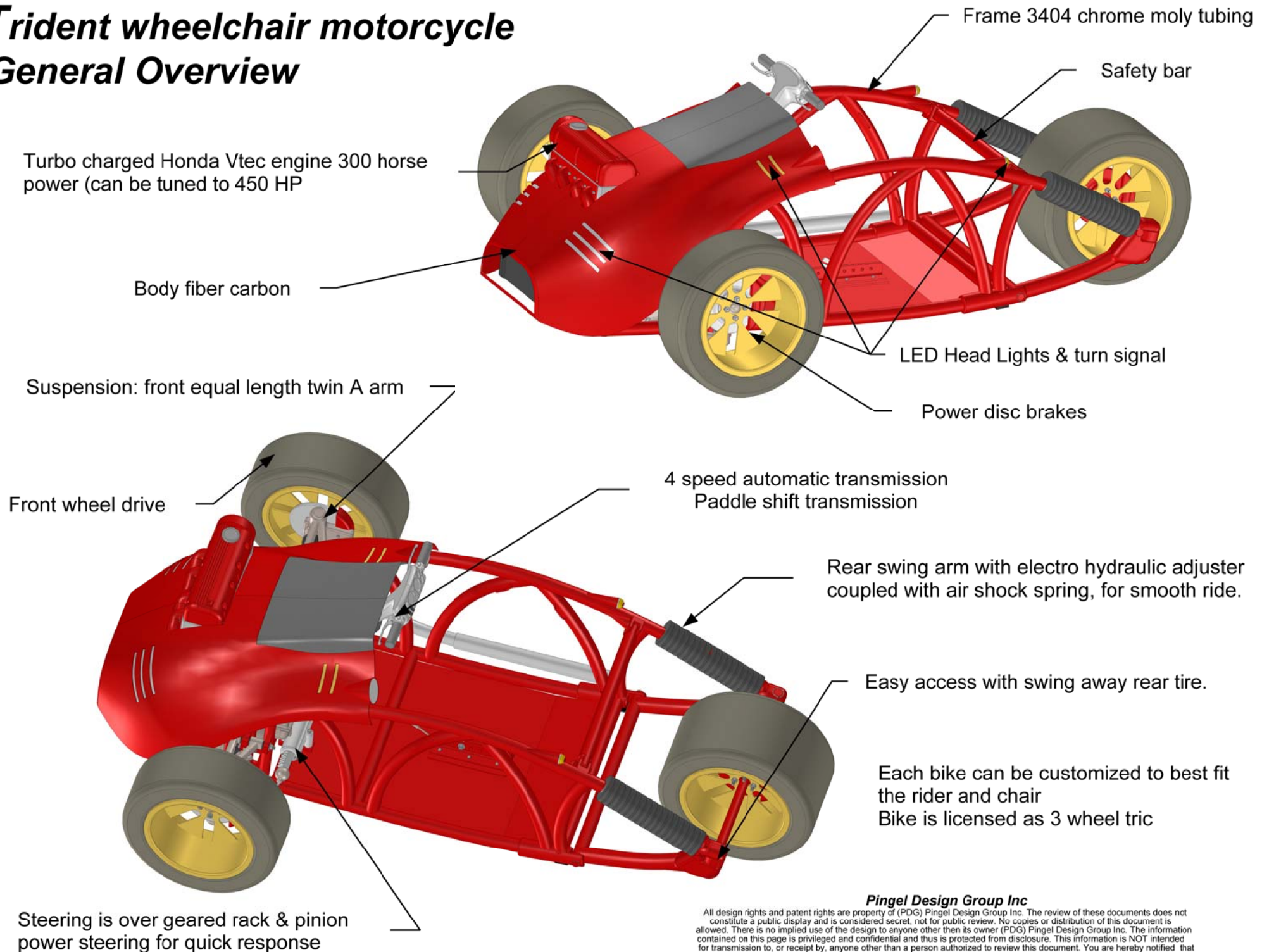
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# Trident wheelchair motorcycle

## General Overview



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# Trident wheelchair motorcycle

## Hand Controls

4 speed automatic transmission/ paddle shift 1-4 & neutral

All controls for operating bike are on handlebars

Rack & pinion power steering

Power disc brakes

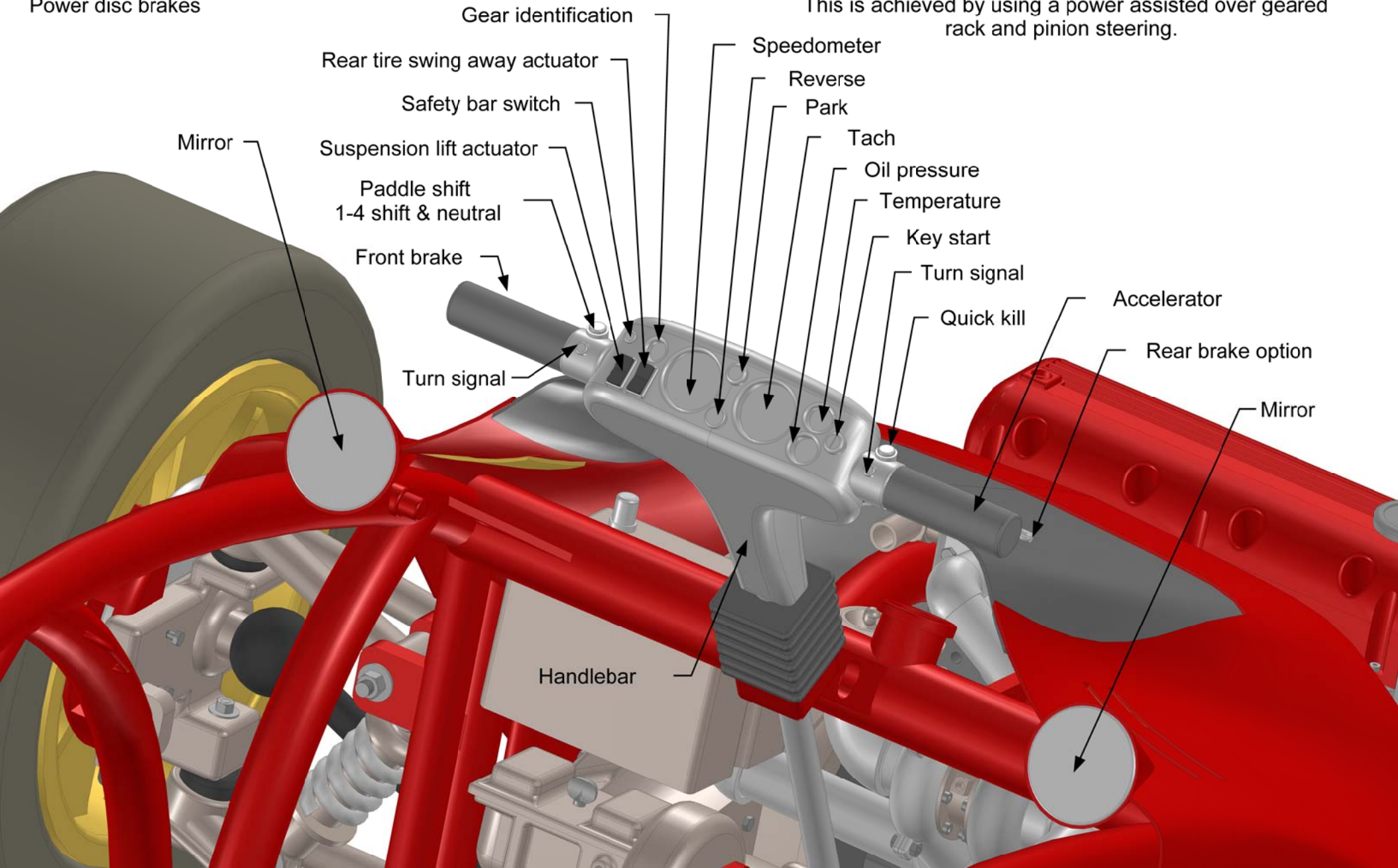
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### Steering characteristics

With 0 degrees as center line handlebars will turn the wheels fully locked at 45 degrees left and 45 degrees right.

This is achieved by using a power assisted over geared rack and pinion steering.



# Trident wheelchair motorcycle

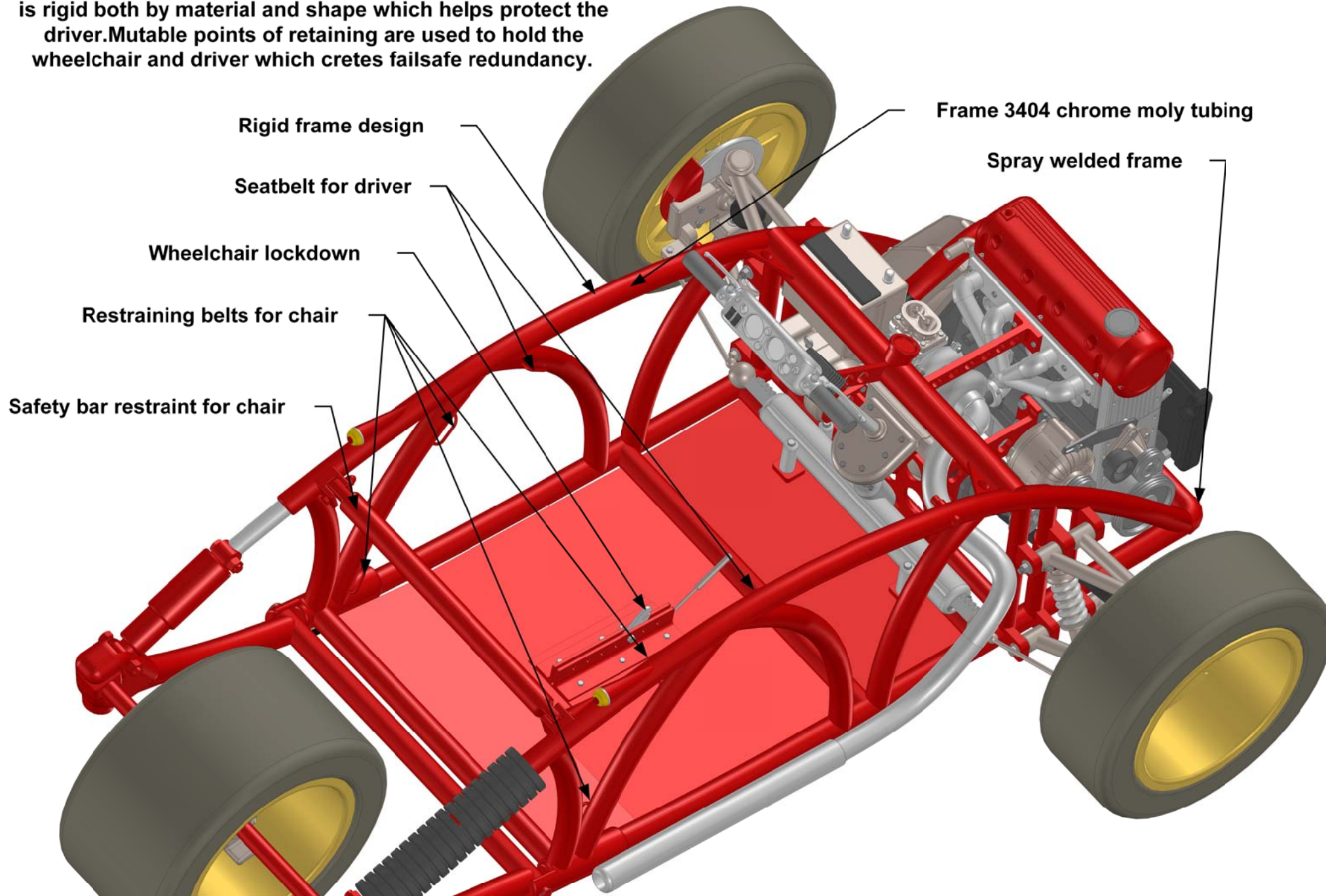
## Safety

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The frame design tightly constrains the wheelchair. The frame is rigid both by material and shape which helps protect the driver. Movable points of retaining are used to hold the wheelchair and driver which creates failsafe redundancy.



Rigid frame design

Seatbelt for driver

Wheelchair lockdown

Restraining belts for chair

Safety bar restraint for chair

Frame 3404 chrome moly tubing

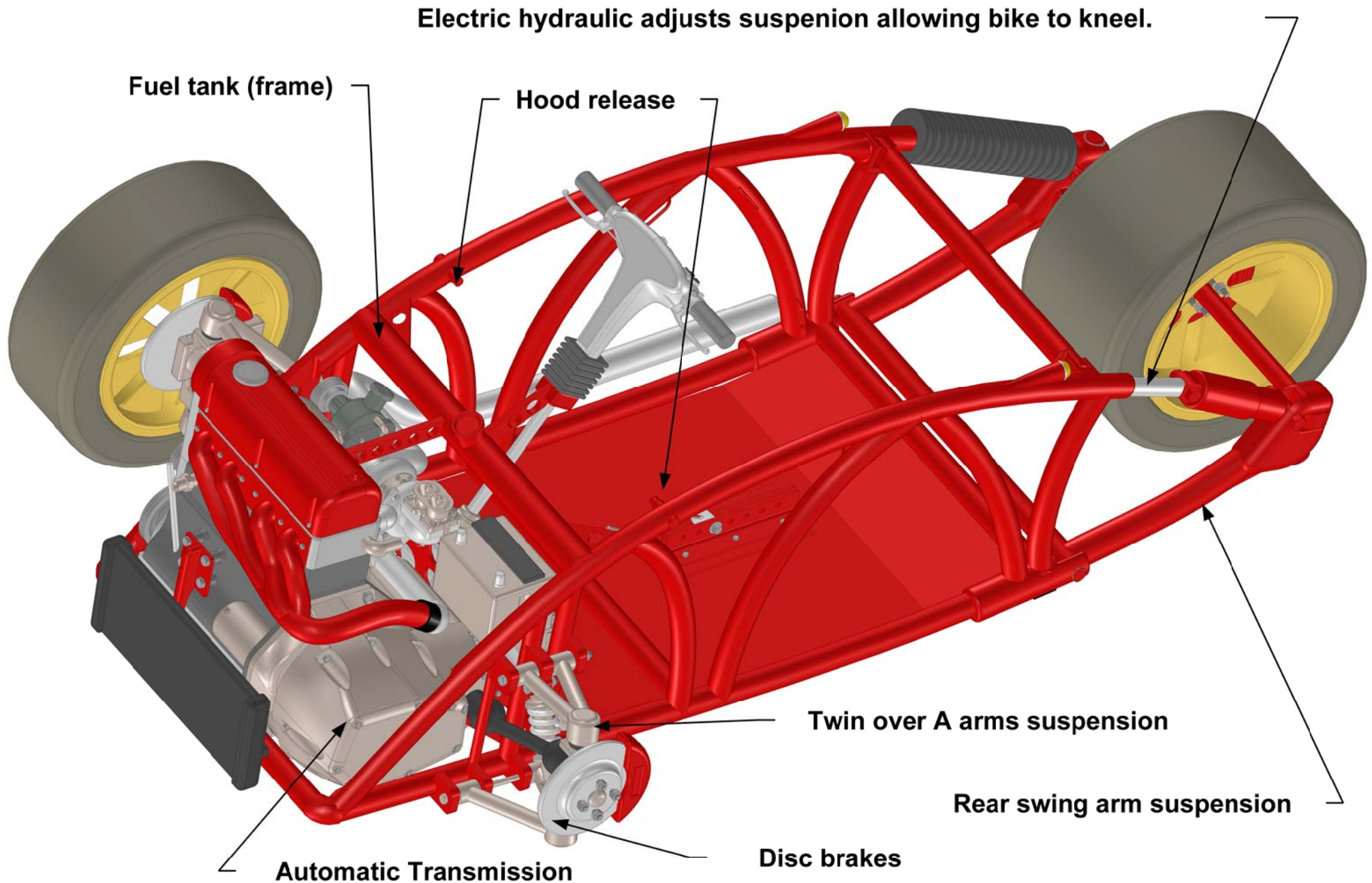
Spray welded frame



# Trident wheelchair motorcycle Components

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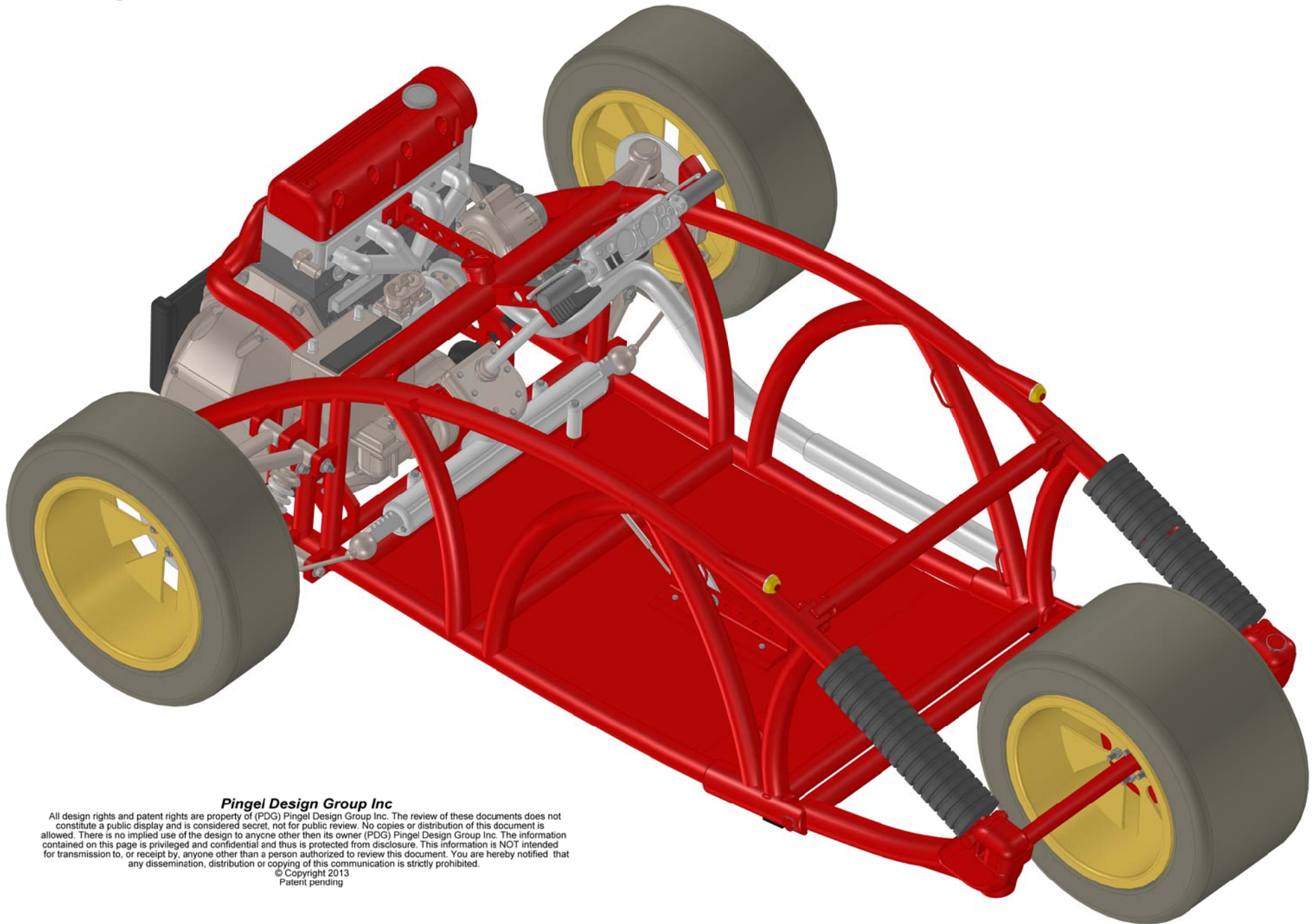
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# ***Trident wheelchair motorcycle***

## **Components**

Trident motor cycle is an Eco friendly multi fuel bike. It can run on - Gas-Alcohol-CNG-Hydrogen, creating a 0 pollution motor cycle.



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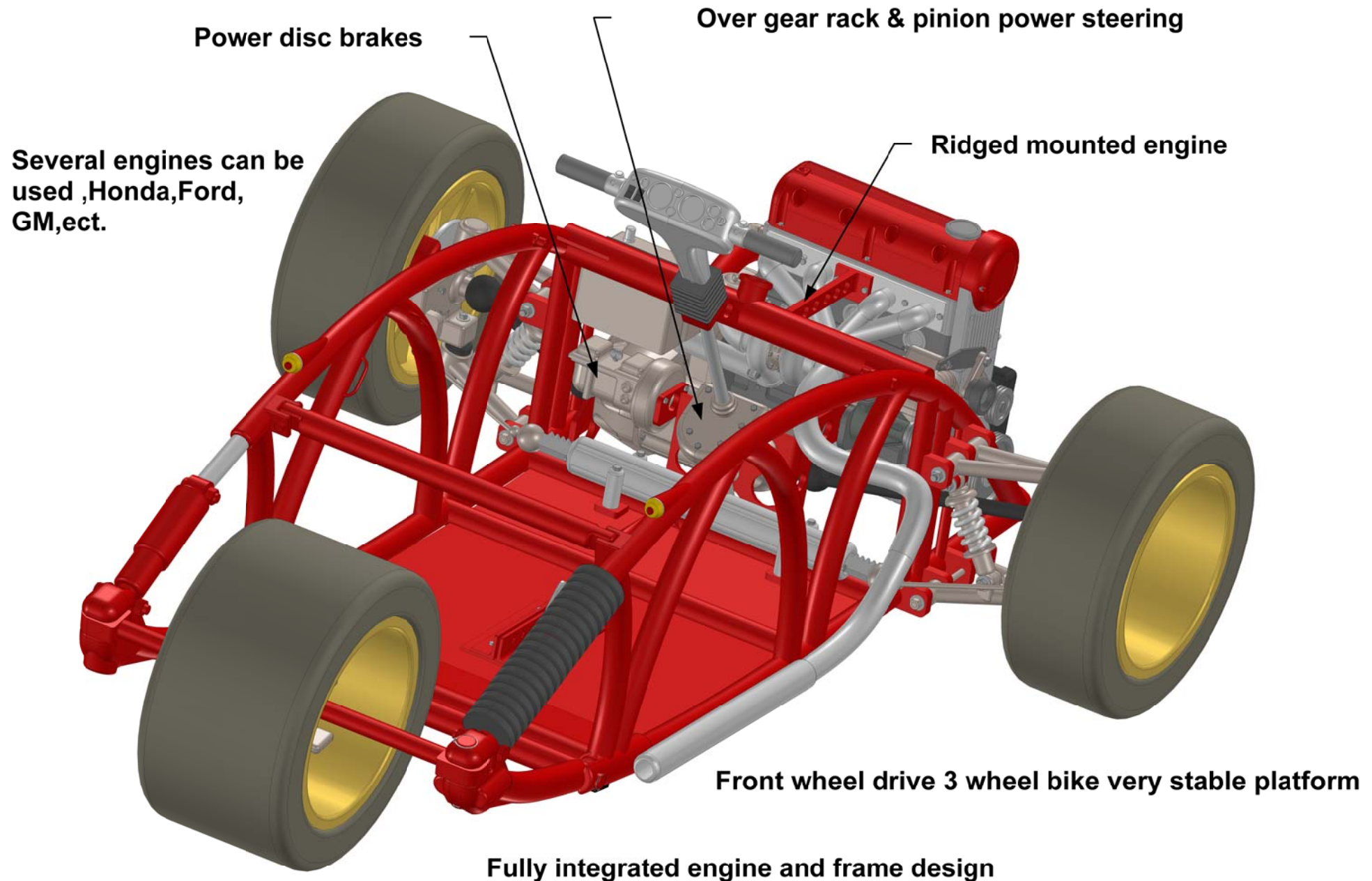
# **Trident wheelchair motorcycle**

## **Components**

**Pingel Design Group Inc**

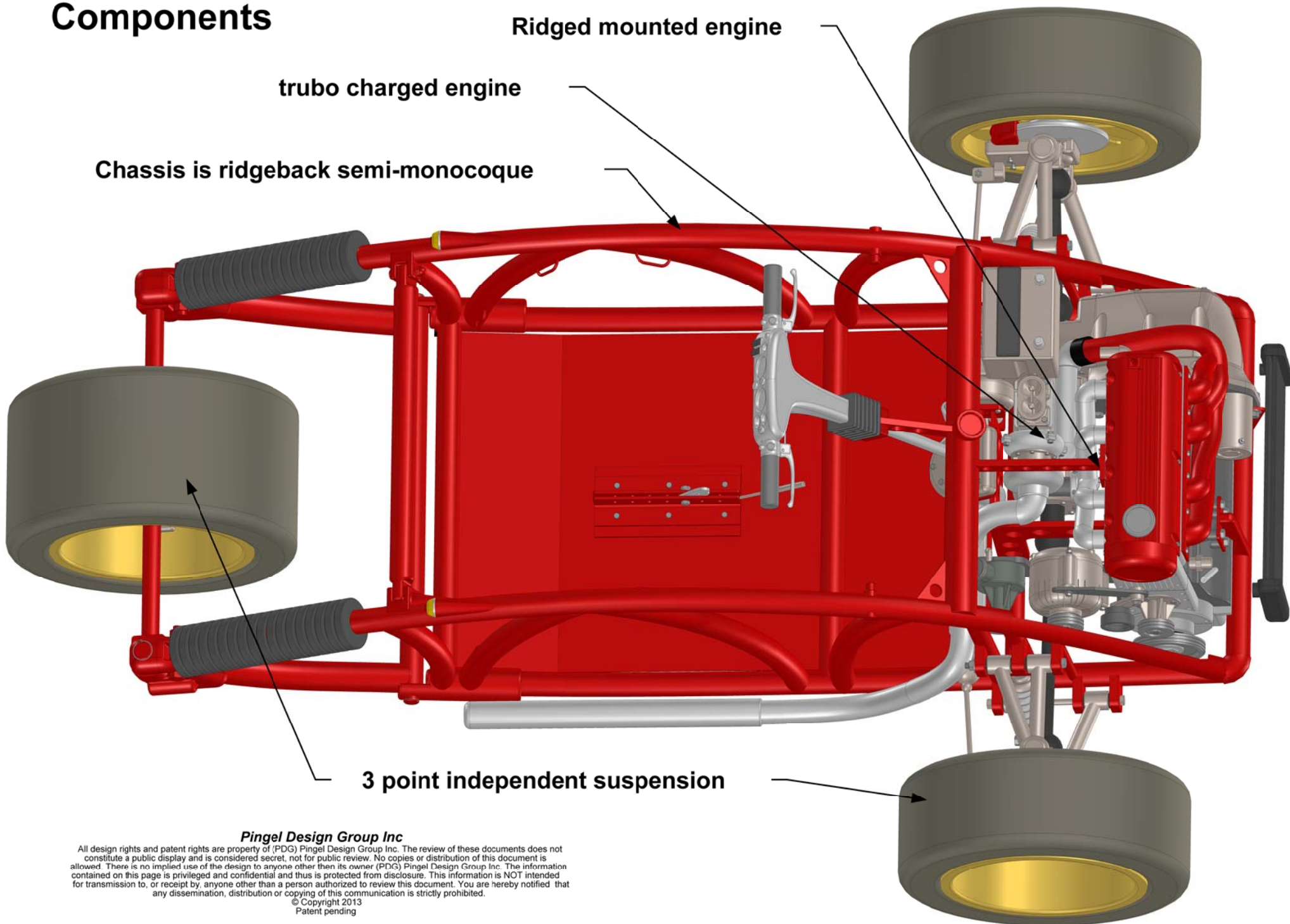
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# Trident wheelchair motorcycle

## Components



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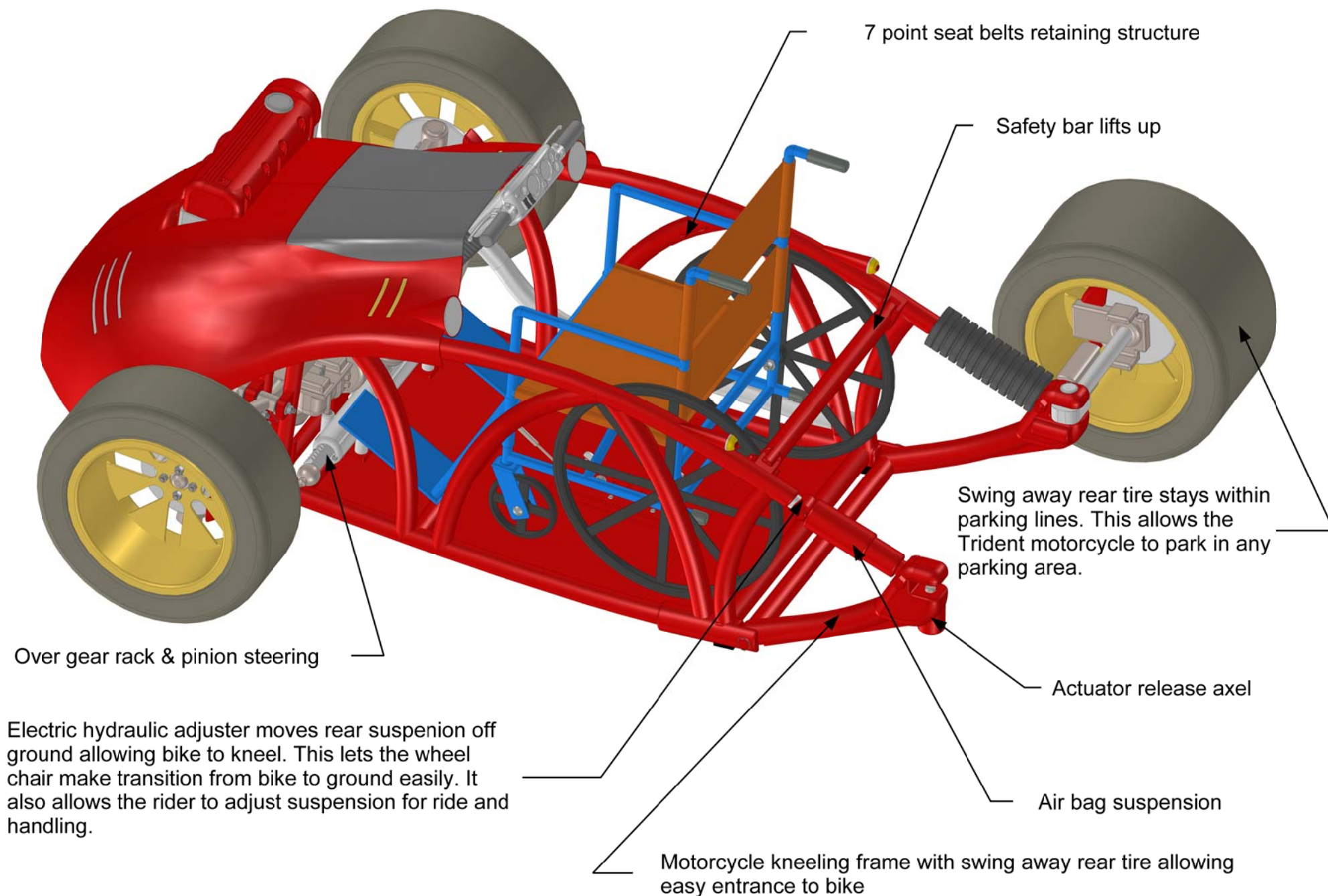


# Trident wheelchair motorcycle

## Wheel chair access

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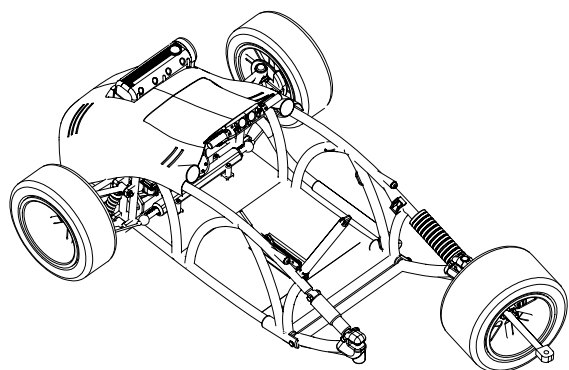
# Trident wheelchair motorcycle

## Wheel chair access

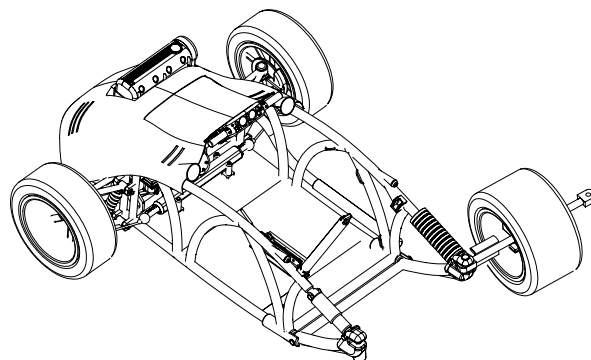
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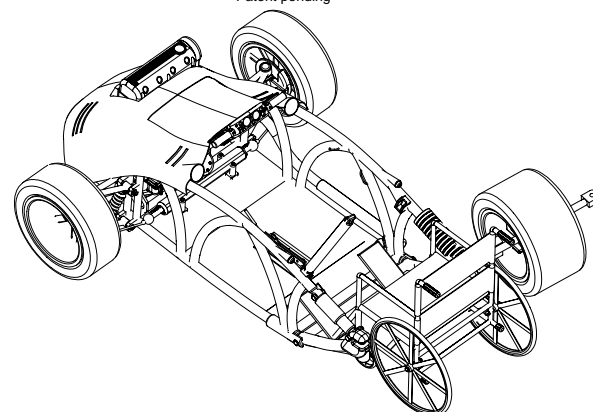
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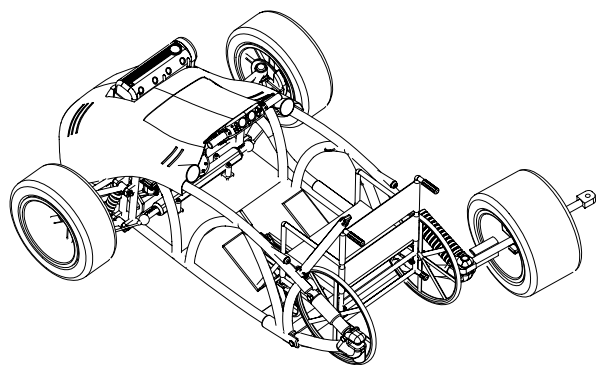
**Wheel chair entry, tire moves away**



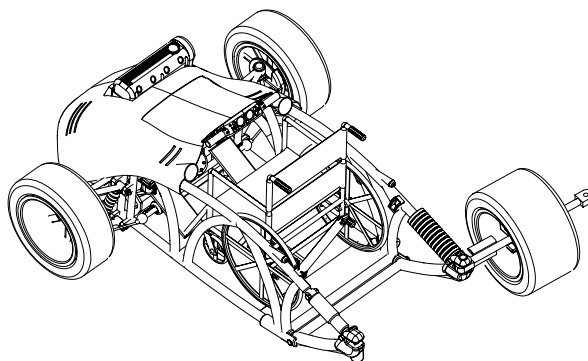
**Entry fully open**



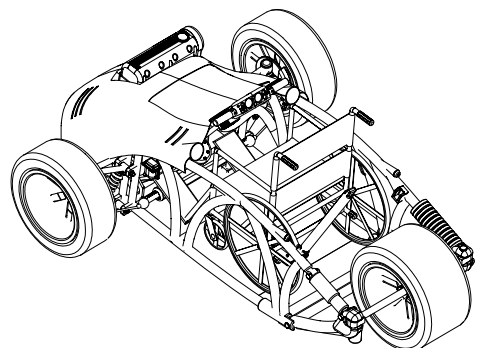
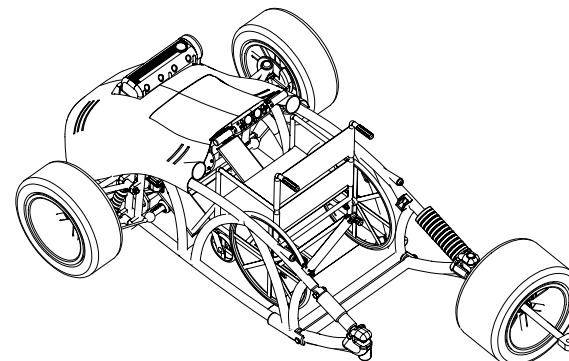
**Wheel chair moves into frame**



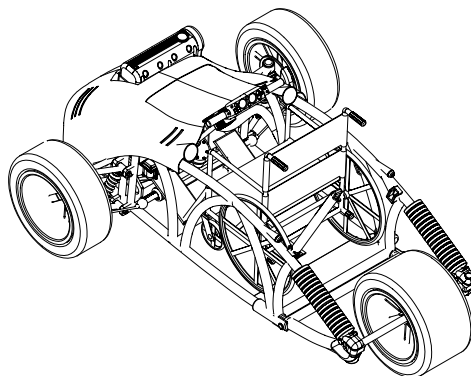
**After wheel chair moves in....**



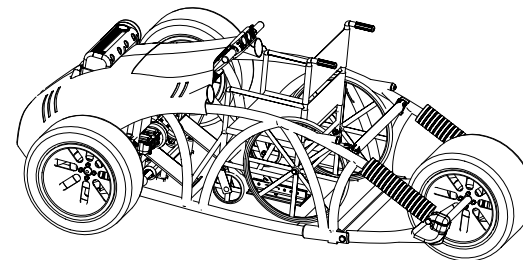
**Wheel chair, belts in and starts to close until axel latches**



**Bike moves from kneeling position to driveable suspension height**



**Lower safety bar**

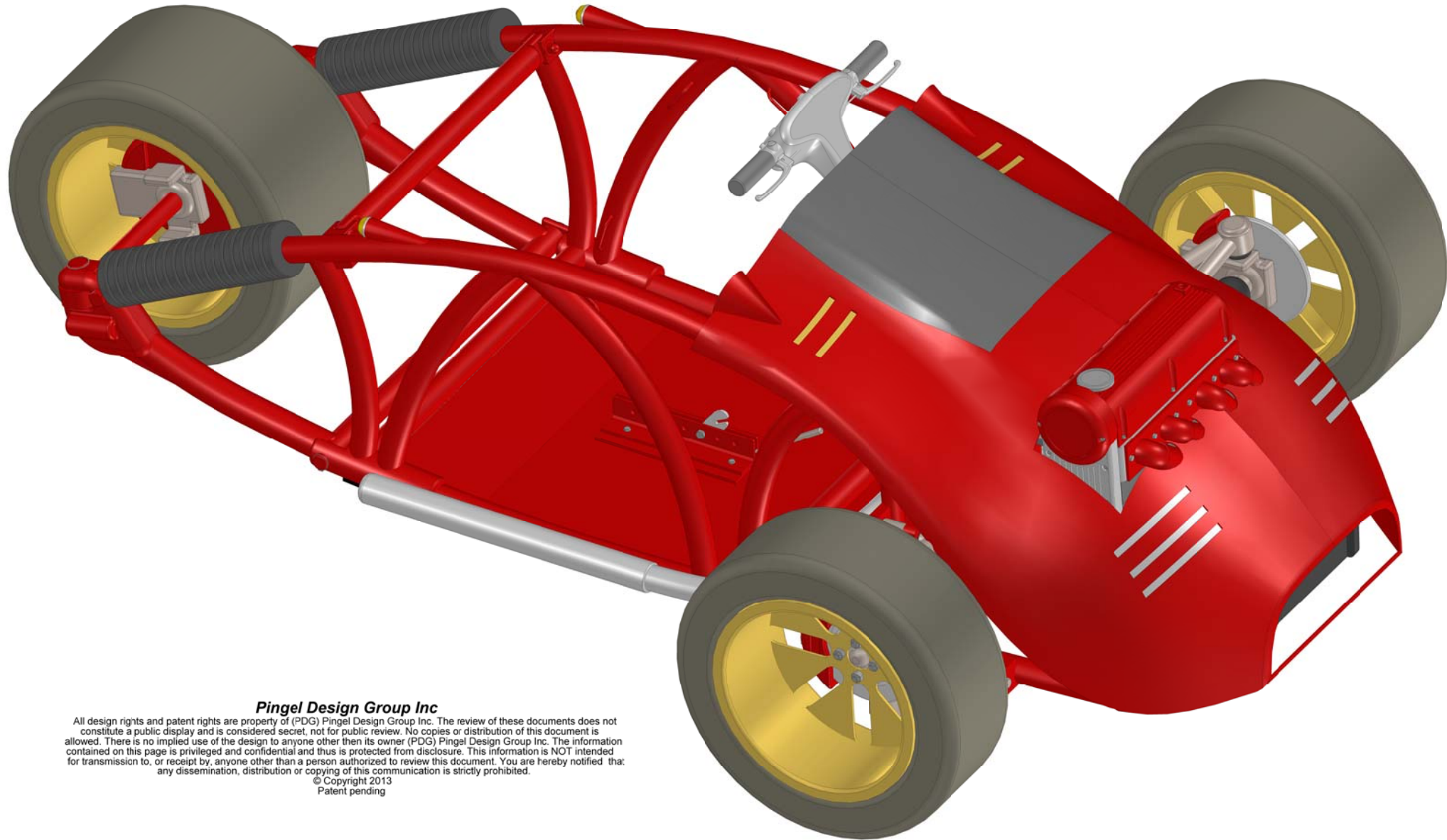


**Motor cycle is ready to ride**



# *Trident wheelchair motorcycle*

## General View



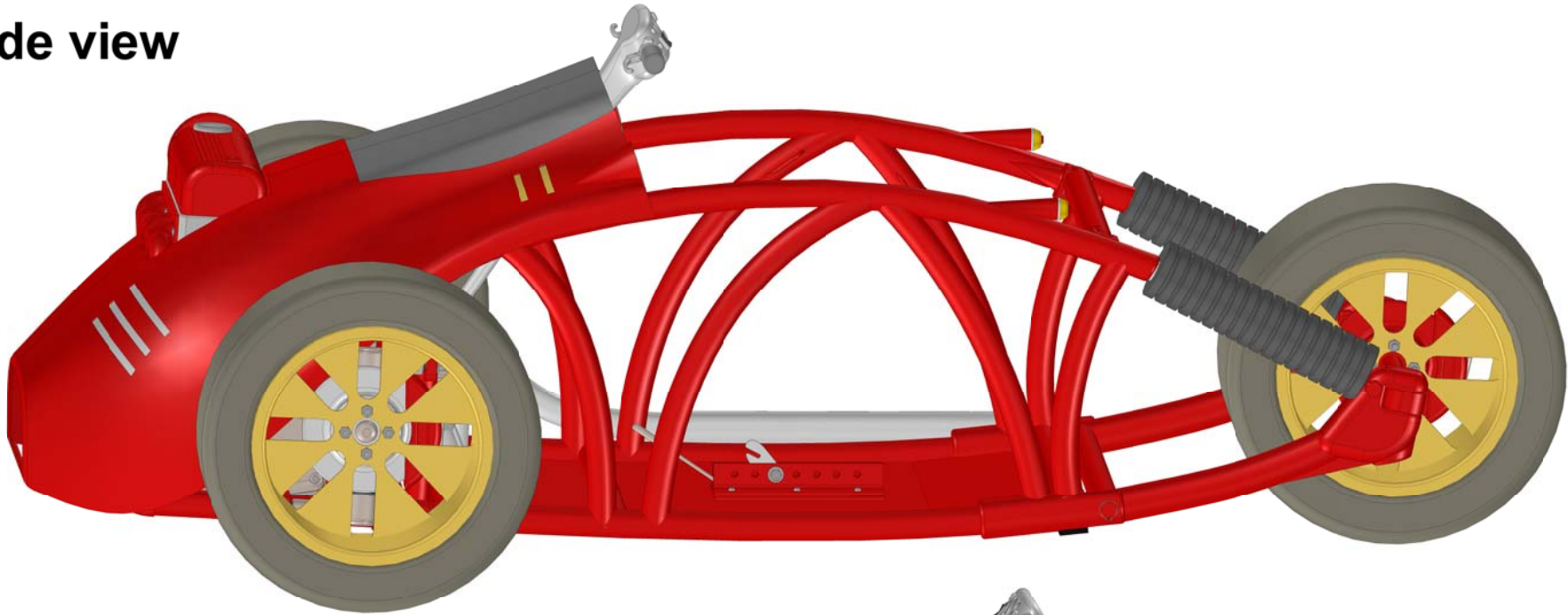
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# *Trident wheelchair motorcycle*

## Side view



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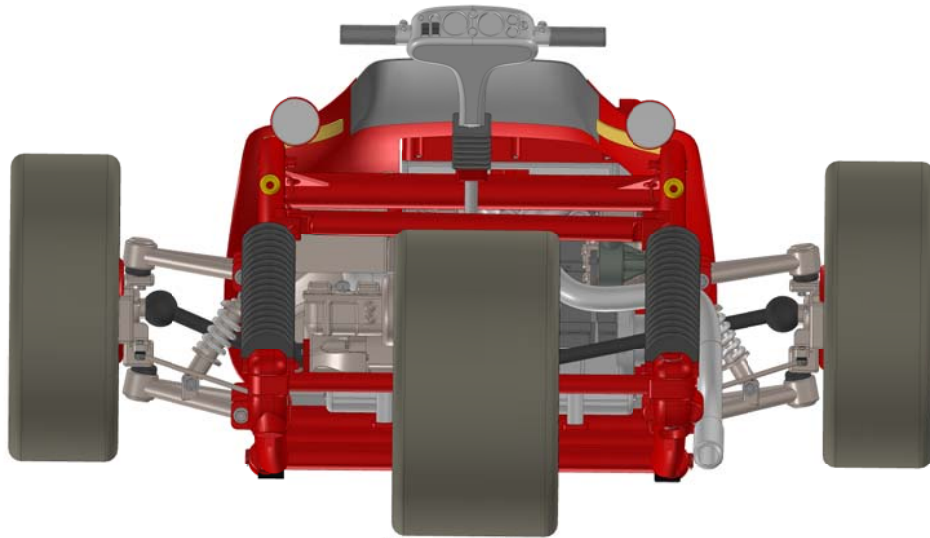
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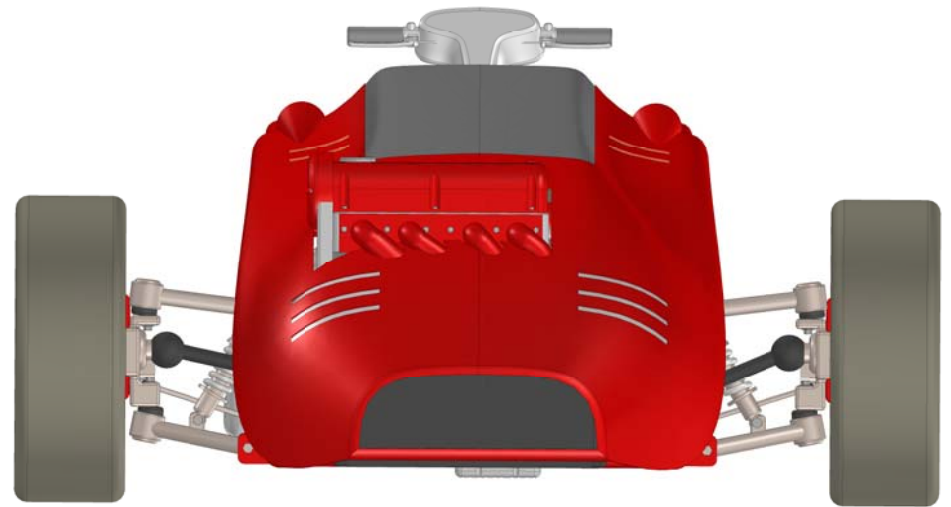


# ***Trident wheelchair motorcycle***

Front & Rear view



**Rear view**



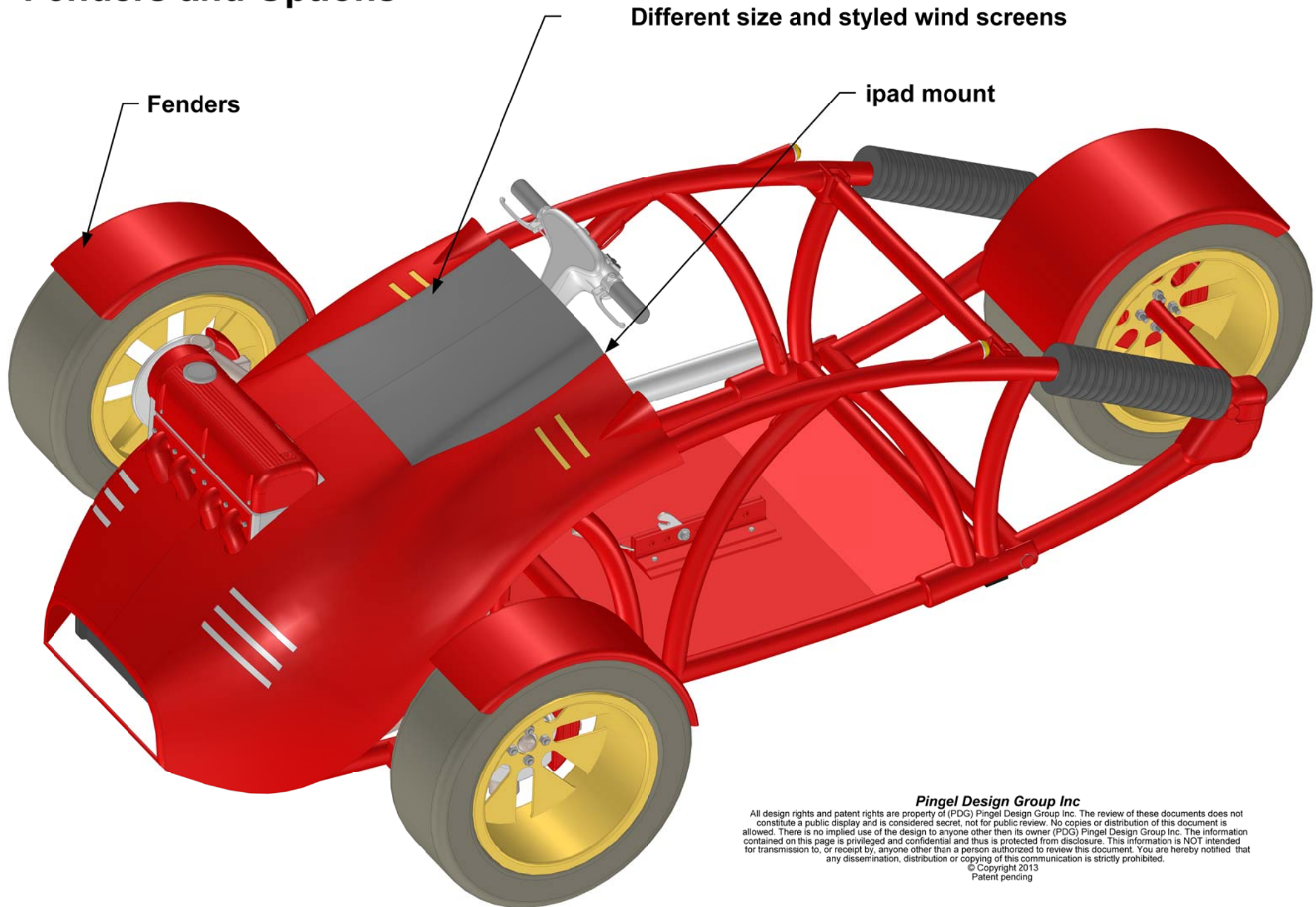
**Front view**

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## ***Trident wheelchair motorcycle*** **Fenders and Options**



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