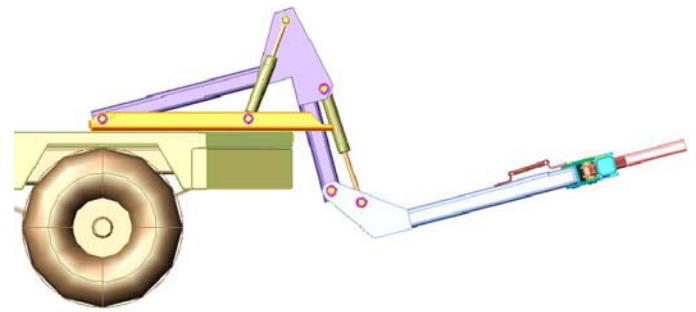
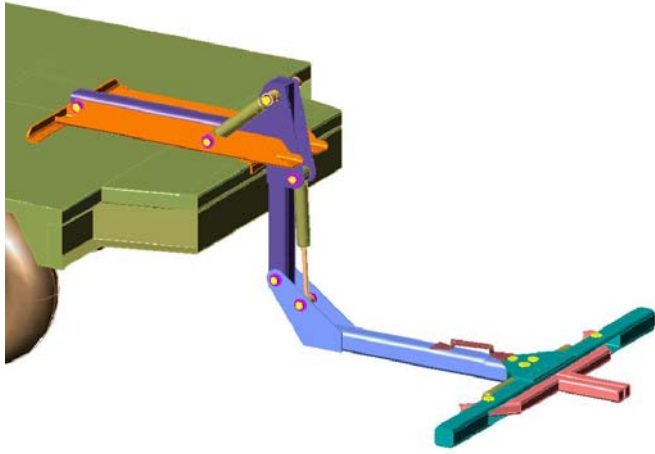


Self Loading Tow Truck

SLTT 3



This is a tow truck where the driver would do all the work in less than half a minute without leaving his warm cab. The driver just picks the car and drives away.

This reduces the cost and provides for more operations per hour, it is a better return on investment.

1. Body structure:

- Body is made on frame to increase strength.
- Certain points are reinforced providing exceptional recovery capability.
- Straight sides and 90° angles to increase strength.
- Low profile design to improve visibility.
- Large surface area.

- Body structure allows sharp angle turning without damaging the towed car.
- Low center of gravity.
- Siren and light bar operation will be in the cab.
- Mud flaps.

2. Boom:

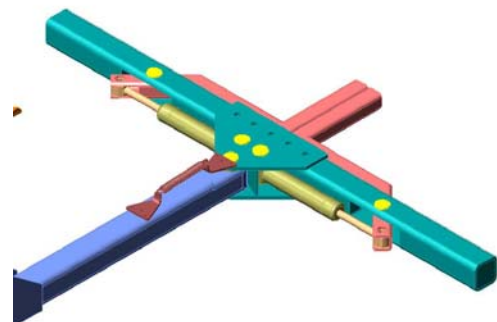
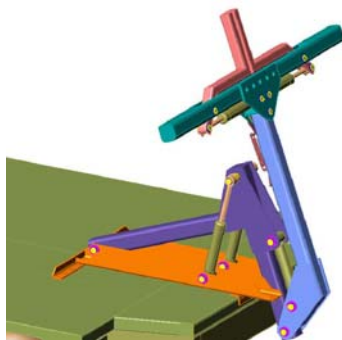
- Conservatively designed.
- Retracted boom-lifting capacity 7000 lb.
- Extended boom-lifting capacity 4000 lb.
- Retracted boom length 48”.
- Extended boom length 84”.
- Distance between centerline of rear axle to tailboard 35.5”.
- Boom height adjustment via 2 double action hydraulic pistons.

- Extra mechanical lock against hydraulic failure (according to the Egyptian military standards).
- Boom is governed by guide for protection against transversal forces.
- All hinges pivots are conservatively designed with lubrication inputs.
- The tip hinge is 2.5” diameter with brass lining that could be easily replaced.
- Power tilt: 30° Up / 10° Down.

3. Cross member:

- Conservatively designed.
- The brackets could easily lock around the car tires.
- The pistons are powerful and would withstand misuse by unskilled personnel.

- In case of misuse of brackets and incorrect location, the pistons will not be damaged since the relief valve will open or the pivot will be broken as a final fuse.
- The driver will usually have a few spare pivots for quick replacement.



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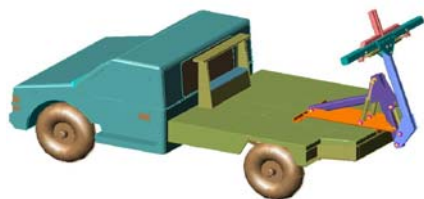
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email: electrolab@electrolabtrucks.com



| | |
|--|--|
| 4. Front push bumper (Optional): <ul style="list-style-type: none"> • Suitable for pushing the cars in case of use by police. • 551.15 Ib. dead weight for better balancing. | <ul style="list-style-type: none"> • To avoid backward tilting of the truck when lifting heavy cars. |
| 5. Hydraulic: <ul style="list-style-type: none"> • Cylinders are reliable. • Valve block is installed on top of the bed behind the boom to simplify service. • Counter balance to ensure safety in case of sudden hydraulic pressure drop. • Hydraulic tank is equipped with valve in the O/P to simplify service. • Strainer in the hydraulic tank cover. • All the hydraulic cylinders are interchangeable. • Oil level indicator. • 2 hydraulic cylinders for lifting. | <ul style="list-style-type: none"> • Oil temperature gauge. • Oil pressure gauge (Option). • Pressure relief valve. • Alarm for high pressure (Option). • The pressure maximum limit is conservatively designed 2200 PSI to ensure long service life. • Optional hydraulic manual pump. • The PTO unit is controlled from inside the cab. • The valve could be manually operated from behind the boom. |
| One type of cylinders proves our design capability (This is to simplify service and reduce inventory of spares) | |
| 6. Control: <ul style="list-style-type: none"> • Located in driver cab to ensure complete remote operation from inside of cab. • Remote control 12' away (Optional). • Modular construction easy to disassemble. | <ul style="list-style-type: none"> • The valve could be manually operated from behind the boom. • Light bar operation will be in the cab. |
| 7. Operation: <ul style="list-style-type: none"> • The driver will stay in his warm cab. • The boom will rest near to the ground level. • The driver will drive backwards to the auto. • The brackets will open and lock the front tires. | <ul style="list-style-type: none"> • The cross member will adjust itself to the front tiers. • The main boom will move upwards and the auto will be lifted. |
| 8. Lighting: <ul style="list-style-type: none"> • Light bar elevated higher than the cab with tool compartment. (Option). • The rear lights are embedded inside of the body to minimize accidental damage. | <ul style="list-style-type: none"> • Rear lighting to allow night operation switched from cab. • The taillights are the same taillights of the chassis. |
| 9. Reliability: <ul style="list-style-type: none"> • Very reliable like our ancient pyramids. • This product proved reliability in the warm and dusty weather of Egypt. • This product withstands rough treatment by unskilled persons. | <ul style="list-style-type: none"> • We use American made hydraulics. • Cylinders and rods by SCOTT. • Electric hydraulic valve by PRINCE. • Seals of the cylinders by PARKER. • PTO from MUNSSIE (if we supply). • Pump from MUNSSIE (if we supply). |
| 10. Paint <ul style="list-style-type: none"> • Primary after sand blasting. | <ul style="list-style-type: none"> • 2 Layers of point according to customer colors. |
| 11. Service <ul style="list-style-type: none"> • Very rarely we are asked for spares. | <ul style="list-style-type: none"> • Parts are available through our dealers. |



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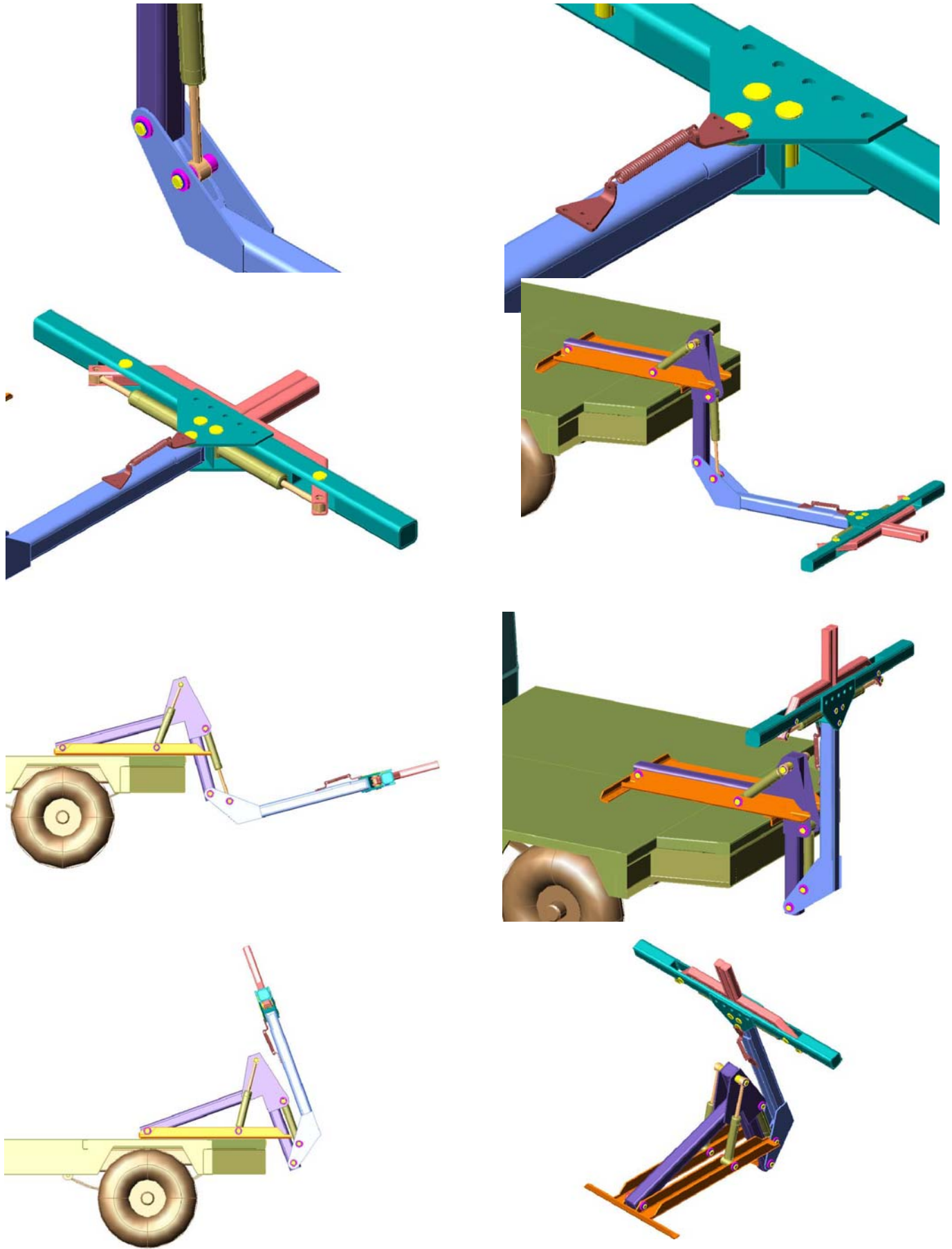
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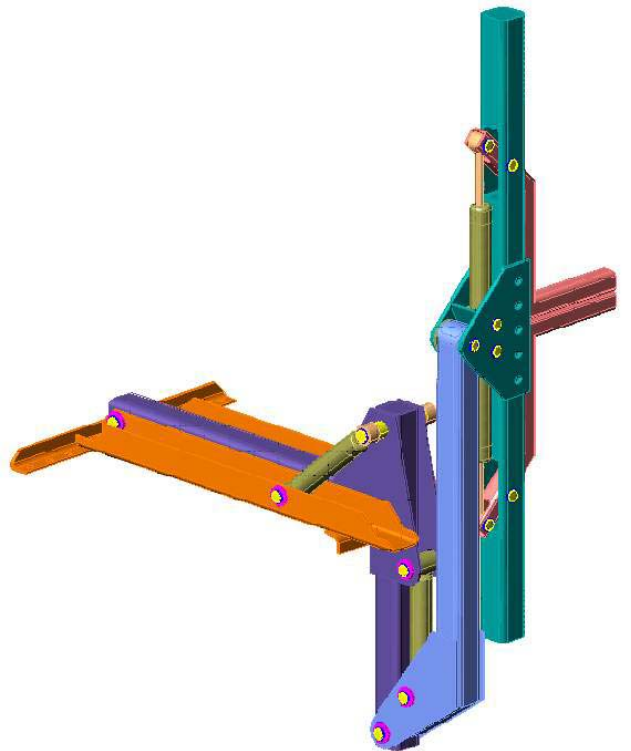
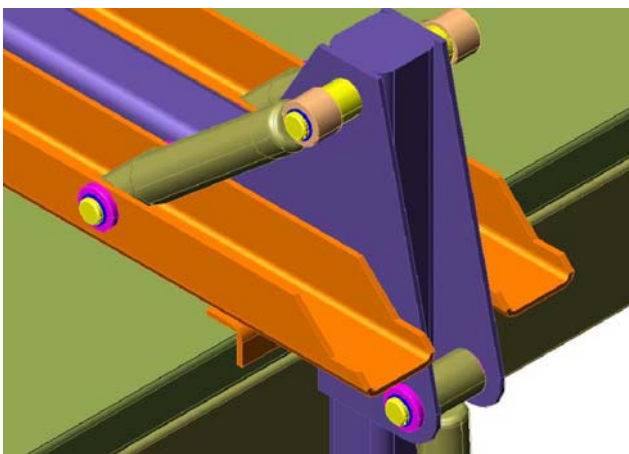
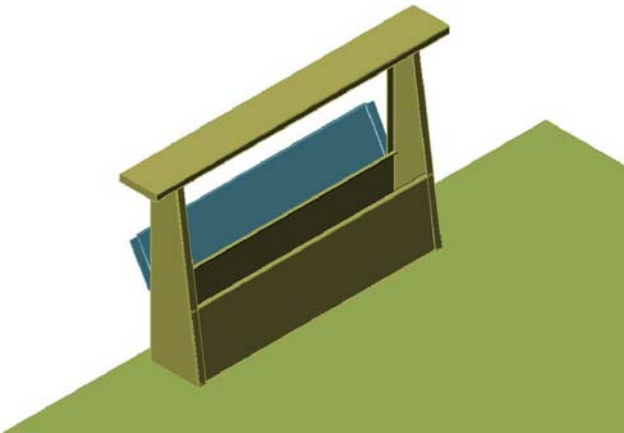
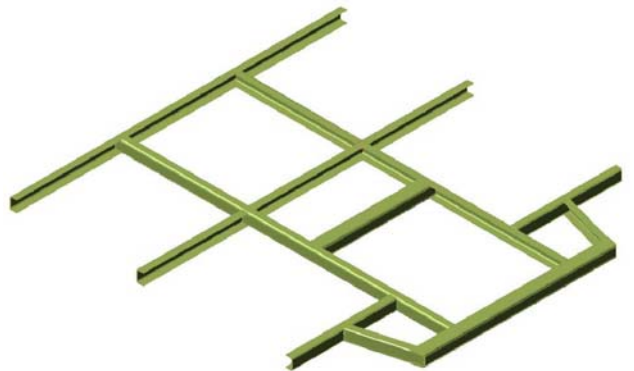
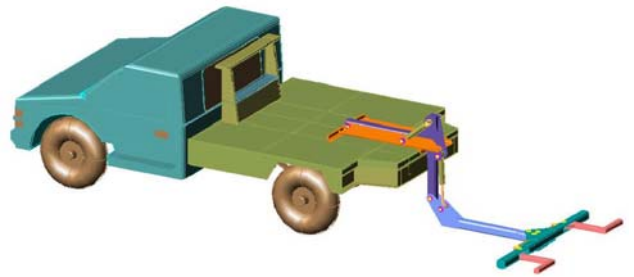
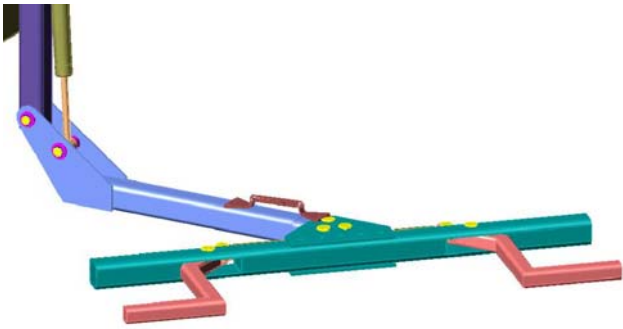
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Remote tow Truck



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