

**A heavy-duty recovery kit for use on top of the fifth wheel of a truck tractor for recovery of buses with delicate front and long front over hang. This Kit is also used to recover loaded trucks of 77,5 Ib. GVW (this is dependant on the used truck tractor). This kit can be adjusted to any frame height and width.**

### 1. Boom:

- Lanyard control and lever control power extension, retractions, lift and tilt.
- Extended lift rating 20,000 Ib.
- Retracted distance 49”.
- Reach 86”.
- Reach with extension 98”.
- App. Reach, center of axles to forks 141”.
- Distance from tailboard when stored 10”.
- Upward tilt 22°, maximum lifting height 62”.
- Tilt below ground 8° with depth 11”.
- Down stroke on lift cylinder weight 17”.
- Weight 2,402 Ib.
- 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.
- Hydraulic boom telescopic extension.
- Boom height adjustment via 1 double action hydraulic piston.
- Conservatively designed.

### 2. Hydraulic:

- 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.
- The hydraulic circuit is operated via electric power pack pump.
- Oil level indicator.
- Air shift PTO/pump (Optional).
- Hydraulic load holding valves.
- 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 valve could be manually operated from behind the boom.
- Hydraulic cylinders for extension and retraction.
- 2 hydraulic cylinders for lifting.

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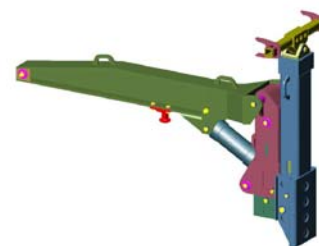
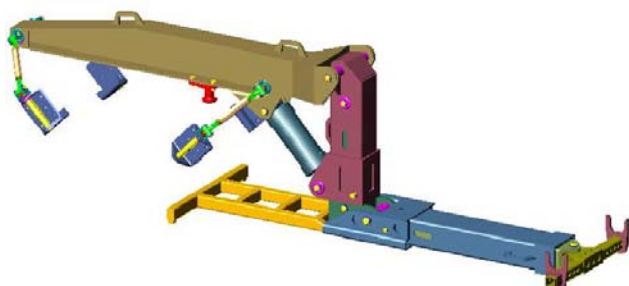
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| <b>3. Low Wheel Lifter (Optional):</b> <ul style="list-style-type: none"> <li>• Low wheel lifter to ensure safe lifting delicate cars with fiberglass front.</li> </ul>  |  |
| <b>4. Boom Assembly</b> <ul style="list-style-type: none"> <li>• Possibility to deliver the boom set alone.</li> <li>• To be locally installed on locally made bodies.</li> <li>• Boom is governed by guide for protection against transversal forces.</li> </ul>  | <ul style="list-style-type: none"> <li>• Extra simple frame to be added to the boom assembly to be mounted on pickups for private use.</li> <li>• An electric power pack will be added to the stand-alone boom unit.</li> </ul>  |
| <b>5. Winch:</b> <ul style="list-style-type: none"> <li>• Free spool running via a clutch to save time (Optional).</li> <li>• Winch mounting platform (Optional).</li> <li>• Winch mounted on the boom to avoid adjusting wire in case of boom movements.</li> <li>• An extra winch can be installed.</li> </ul>   | <ul style="list-style-type: none"> <li>• Driven by Hydraulic motor with capacity depending on customers request.</li> <li>• Automatic mechanical brake</li> <li>• 3/8" or 1/2 or 3/4 x 50' heavy-duty cable.</li> <li>• Cable guide for auxiliary winch (Optional).</li> <li>• Extra length of wire (Optional).</li> </ul>                         |
| <b>6. Extra accessories:</b> <ul style="list-style-type: none"> <li>• Air hose to inflate the tires (Option).</li> <li>• Extra tool compartments (Option).</li> <li>• Engage and disengages the brakes pneumatically (Option).</li> <li>• Cable remote control unit (Option).</li> <li>• Battery recharging cable (Option).</li> <li>• No-charge for 12/24-volt pump power pack.</li> <li>• Trailer/fifth wheel hitch (Option).</li> </ul> | <ul style="list-style-type: none"> <li>• 18' wires 11,023 or 22,046 Ib. capability (Option).</li> <li>• 18' chains 11,023 or 22,046 Ib. capability (Option).</li> <li>• Hydraulic hoses to operate the hydraulic tools (Option).</li> <li>• Set of chains to protect the towed vehicle (Option).</li> </ul>  |
| <b>7. Front push bumper (Optional):</b> <ul style="list-style-type: none"> <li>• Suitable for pushing the cars in case of use by police.</li> <li>• 551.15 Ib. dead weight for better balancing.</li> </ul>  | <ul style="list-style-type: none"> <li>• To avoid backward tilting of the truck when lifting heavy cars.</li> </ul>  |
| <b>8. Car carrier and extra outriggers:</b> <ul style="list-style-type: none"> <li>• Extra tilted outriggers can be installed at the rear or the sides of the truck at 45° for support in case of heavy loads.</li> </ul>  |  |
| <b>9. Reliability:</b> <ul style="list-style-type: none"> <li>• Very reliable like our ancient pyramids.</li> <li>• This product proved reliability in the warm and dusty weather of Egypt.</li> <li>• This product withstands rough treatment by unskilled persons.</li> </ul>  | <ul style="list-style-type: none"> <li>• We use American made hydraulics.</li> <li>• Cylinders and rods by <b>SCOTT</b>.</li> <li>• Electric hydraulic valve by <b>PRINCE</b>.</li> <li>• Seals of the cylinders by <b>PARKER</b>.</li> <li>• PTO from <b>MISSIE</b> (if we supply).</li> <li>• Pump from <b>MISSIE</b> (if we supply).</li> </ul> |
| <b>10. Paint:</b> <ul style="list-style-type: none"> <li>• Primary after sand blasting.</li> </ul>   | <ul style="list-style-type: none"> <li>• 2 Layers of paint according to customer colors.</li> </ul>  |
| <b>11. Service:</b> <ul style="list-style-type: none"> <li>• Parts are available through our dealers.</li> </ul>   | <ul style="list-style-type: none"> <li>• Very rarely we are asked for spares.</li> </ul>   |



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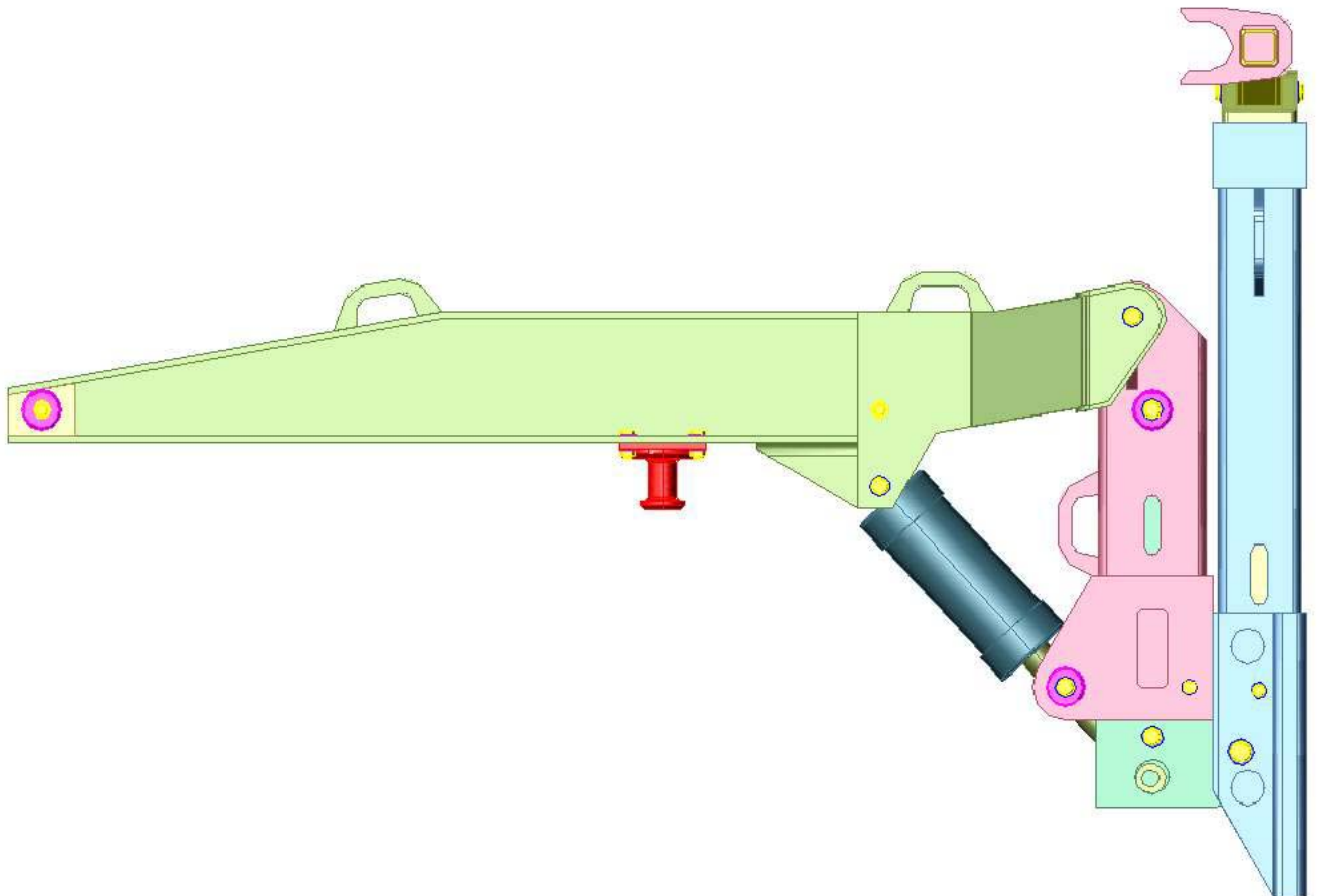
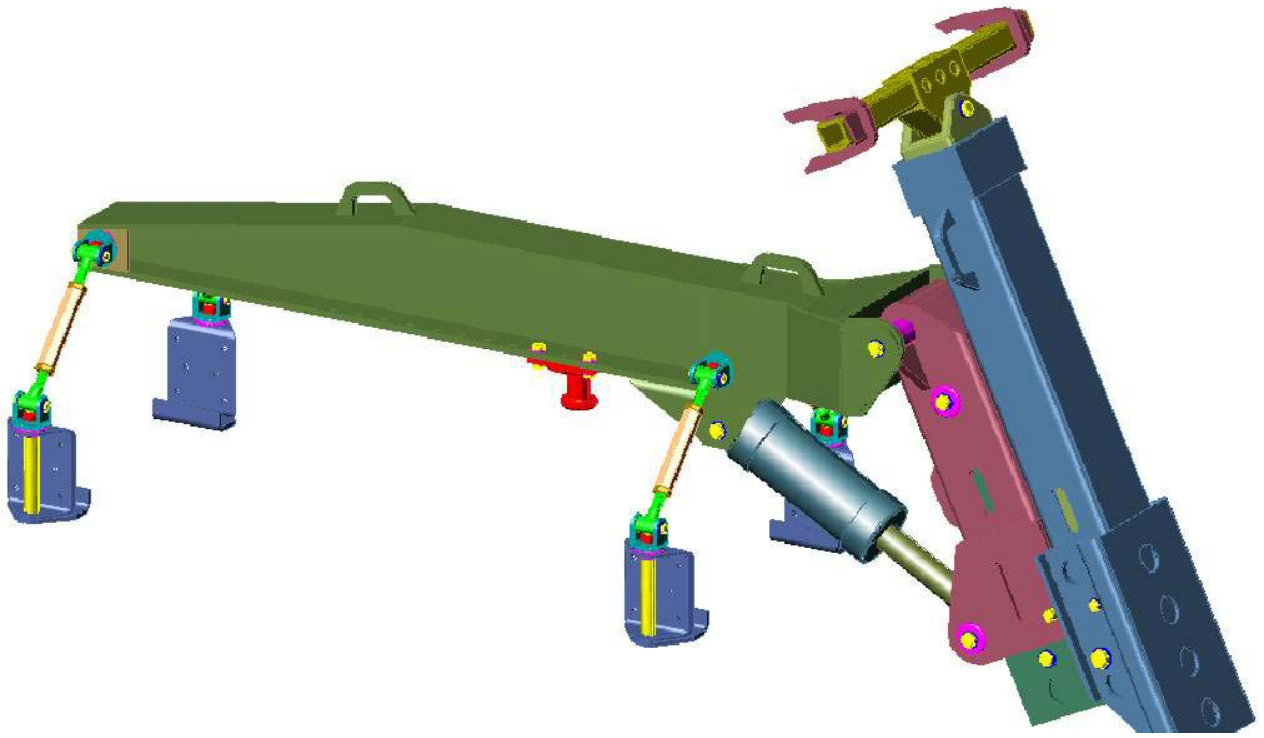
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# Heavy Recovery Kit Pictures



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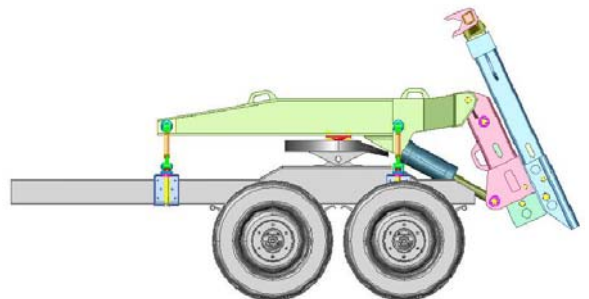
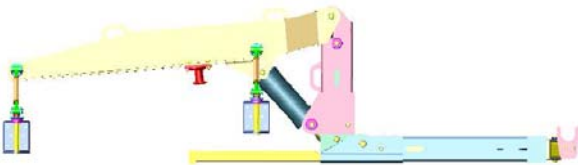
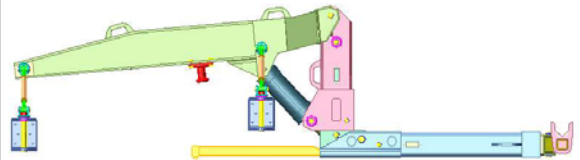
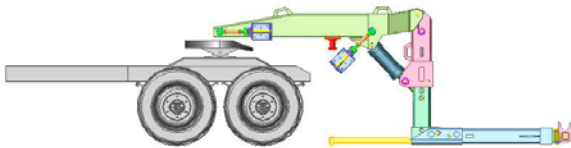
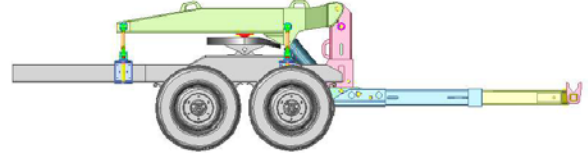
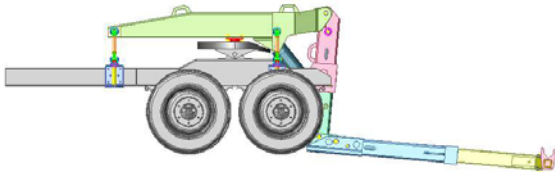
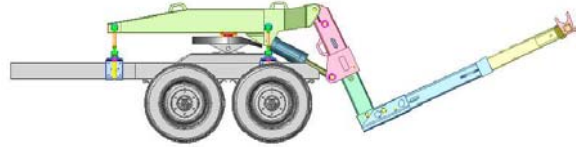
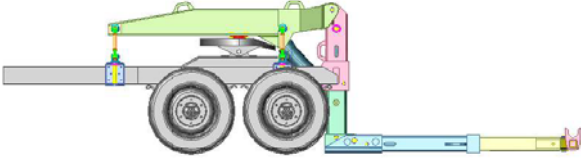
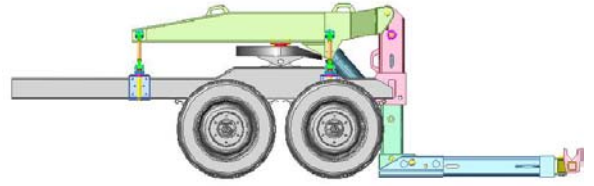
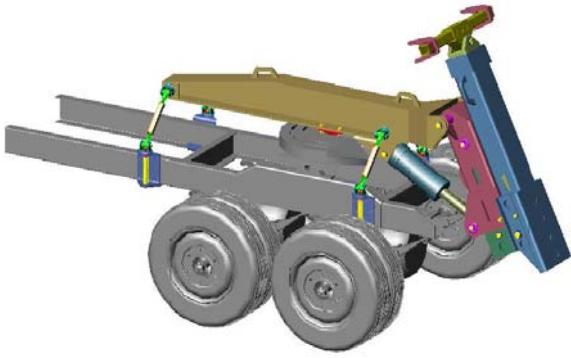
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