



## Safe System of Work

### To Remove and Refit Wheels and Tyres to a Trailer.

Elevate the chassis to the required height utilising SSOW guidance ensuring the park brake is applied.



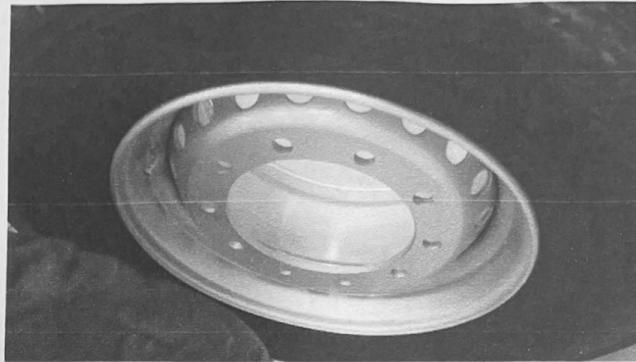
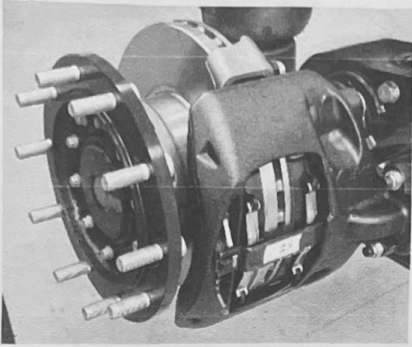
#### Removing a Wheel and Tyre.

- Remove any wheel nut indicators and/or safety wheel nut locking devices if fitted.
- Select correct size impact socket for the wheel nuts usually 32mm or 33mm dependant on axle manufacturer.
- Undo wheel nuts with correct size air gun or by correct size breaker bar and ratchet set using the correct PPE of safety glasses and gloves. Note some wheel nuts are left hand thread and will undo the opposite way from normal usually identified by an L on the stud face.
- Once all wheel nuts are loose remove all nuts and put them to one side of the wheel out of the way but still in reach and leaving the top nut till last.
- Before completely removing the top wheel nut put some body weight against the tyre at the top take the weight away from the nut easily and put with the other nuts.
- Carefully slide the wheel towards you along the studs/hub till the bottom of the tyre ground out on the floor.
- Place your hands on the tyre at either side opposite from each other then pull the wheel and tyre off and away from the hub using a wiggle motion to draw the wheel and tyre along the ground till it clears the hub unit and the edges of the wing area.
- Wheel the wheel and tyre out of the way to a safe area by standing behind the wheel and rolling it away from you keeping control of the combination at all times.

#### Refitting a Wheel and Tyre.

- Before refitting any wheels and tyres back to an axle/hub ensure all hub to wheel mating surfaces are clean and free from debris and any built up corrosion is cleaned off.
- Lightly oil the area between the nut and collar on all the nuts before fitting to reduce tightening friction.
- Wheel into position the wheel and tyre ensuring the wheel rim is facing the right way around.
- Wiggle into position so the wheel starts to go over the hub centre till the wheel reaches the studs.

- Using a pair of tyre leavers under each side of the tyre rotate the wheel till the wheel studs and holes line up and slide the wheel on to the studs.



- Starting with putting the top centre wheel nut on to take the weight of the wheel to hold it in place.
- Then work from top to bottom putting the rest of the wheel nuts on to each stud.
- Run the wheel nuts up the studs going from one nut to the opposite nut either with an air gun with the torque setting turned down or by hand tools to a nipped up tightness.
- Ensure the wheel is visually centrally mounted on to the hub and flat against the hub.
- Tighten the wheel nuts using a calibrated torque wrench to the manufacturer's settings.
- Wait for 30 minutes and carry out a re-torque to the same manufacturer's settings.
- Refit any wheel nut indicators and/or safety wheel nut locking devices if fitted.

