BTC Automotive Technology
Job Sheet: SF3 – Vehicle lifting

Objective: To become familiar with and demonstrate knowledge in safely lifting a vehicle on a hoist, jacking a vehicle with floor jack and using jack stands.

Procedure: Using your own vehicle, lift and support it as directed below. Show instructor after lifting and ASK IF UNCERTAIN!!

Using electric hoists:

- Center vehicle on hoist and determine safe lift points.
- Adjust arms for safe lift and double check position as they contact vehicle.
- Bounce vehicle when wheels are off ground by 6”.
- Lift vehicle to top stop and have instructor inspect.
- Release locking mechanisms and lower vehicle.

Using floor jack and stands:

- Determine safe jacking position.
- Lift one axle with hydraulic floor jack and support with jack stands.
- Instructor to inspect.
- Remove stands and lower vehicle.