User Guide & Installation Manual

Corner Killer IFS Kit

Specifically for Cross Member Part Number HEXCA

Getting Started

What you will need

- A level flat working area of at least 10 feet square (3 sqaure m) under the front chassis area
- 60" (1.5 m) Engineer's level
- 15" (400 mm) – 24" (600m mm) Engineer's level
- 4" (101.6 mm) Grinder with flap discs, grinding disc and cutting discs
- 2 or more plumb-bobs and string
- String line
- Set square
- 12" (300 mm) and 40" (1000 mm) Ruler
- Tape measured
- Masking tape
- Fine tip felt pens
- Wheels that will be fitted to the car (or know the diameter of the wheel and tire)
- Welder
- Some scrap or off cuts of 1" (25 mm) x 1" (25 mm) square tube steel or similar
- Safety equipment

Safety

Ensure that the car is stable, secure and will not move whilst working on the car.
Ensure that personal protective equipment such as safety goggles and gloves are used.

The installation of this kit should only be completed by competent and experienced automotive professionals. If you are in doubt, have a professional install this kit for you.

Step 1. Preparing The Chassis

Place engineer's level across floor, left to right at the approximate front axle center line and ensure ground is level. You must have a level ground area under the car to complete the installation of the Corner Killer IFS Kit.Set the car (or frame) on 4 jack stands with the finish stance or rake you desire with the finished car. For example, if you want a low level look where the sill panels are parallel to the road, then set the car up on the jack stands like this. If you want some rake on the car (rear of shill panel slightly higher than front of shill panel) then set the car on the Jack stands at your desired rake. Place engineer's level across chassis, left to right to ensure car is level.

It is critical that the car is not able to move during installation, as this will effect all measurements and the installation of your IFS kit.

Make a rectangularly stand that you can hang a plumb bob from (needs to be higher than the highest point of chassis you are working on).

With the wheels pointed straight ahead, using your plumb bob stand and plumb bob, mark the center of the wheel on the floor. Repeat for other side. Remove wheel and place new wheel that will be fitted to completed car. Jack wheel up until you have the new wheel at the desired height, ground clearance and stance you require when car is completed. Now measure from the center of the new wheel to the ground at your axle center line mark. **Write this measurement down as "Ground to wheel center" measurement, you will need it later.** Now remove all your existing front suspension.