

Modifying the Suspension



Modifying the suspension for proper tracking and A-frame length. Here we are receiving the replacement suspension parts to be installed for proper tracking.



Felipe had these suspension components custom modified. The custom suspension parts are definitely a better choice than wheel spacers. The offset of the rims must also be taken in consideration when designing.

When comparing the wheelbase and tracking of the Fiero donor vs. the 2001 Diablo 6.0, we get the following measurements;

Dimension	84-88 Fiero	2001 Diablo 6.0	Difference
Wheelbase [mm / in]	2372 / 93.4	2650 / 104.3	278 / 10.9
Track front [mm / in]	1483 / 58.4	1650 / 65.0	163 / 6.6
Track rear [mm / in]	1506 / 59.3	1670 / 65.7	154 / 6.4
Length [mm / in]	4211 / 165.8	4430 / 174.4	219 / 8.6
Width [mm / in]	1750 / 68.9	2040 / 80.3	290 / 11.4
Height [mm / in]	1191 / 46.9	1115 / 43.9	-76 / -3.0
Ground clearance [mm / in]	134 / 5.3	100 / 3.9	-34 / -1.4
Total (curb) weight [kg / lb]	1212 / 2672	1395 / 3075	183 / 403

When using the Fiero donor;

The wheelbase difference [278 mm / 10.9"] is usually modified by doing the 10.5" to 11" cradle stretch.

Front tracking must be widened by 163 mm / 6.6" or approximately 3.3" extension on each side. The use of wheel spacers is possible, but not recommended for this much distance. Wide offset (deep set) rims can also be used to get the centerline tracking wider.

Rear tracking must be widened 154 mm / 6.4" or approximately 3.2" extension on each side. Again, the use of wheel spacers is possible, but not recommended for this much distance. Wide offset (deep set) rims can also be used to get the centerline tracking wider.

You will note that the Diablo weighs approximately 403 pounds more than the stock Fiero. Much of the Fiero body parts will be stripped off and the lighter Diabolic body will be installed. The finished product should be close to the same weight ratio.

To run your own comparison specifications, go to the following link,

<http://carspector.com/comparison/0001015,006420/>

