



SVE Case Study

Steering axle conversion



Chassis :-

- ◆ Mercedes
- ◆ Atego 1524
- ◆ Day Cab
- ◆ 4 x 2

Project

This conversion modifies a standard 4x2 rigid chassis cab, adding a rear steered axle to produce a highly manoeuvrable long wheelbase rigid vehicle, suitable for inner city application.

Modification features

- Original drive axle moved forward, reducing original wheelbase from 5360mm OE standard to 4410mm (reduced by 950mm) to create space for an additional rear steered axle, while maintaining original body length dimensions
- Self levelling air suspension, raise & lower facility on Mercedes OE equipment
- Matched OE axle components
- Addition of the steered axle increases GVW from 15T to 21T, whilst maintaining original turning circle
- Electronic/hydraulic computer controlled steering system with progressive response, relative to speed
- Driver controlled 'bus stop' facility, reducing rear swing when pulling out.
- TUV approved control system with twin failsafe backup and full on board fault diagnostics

Astra Vehicle Technologies Ltd

Innospec Manufacturing Park, Oil Sites Road, Ellesmere Port, Cheshire, CH65 4EY

Homepage : www.astra-vt.com

Phone : 0151 348 5777

Fax: 0151 348 5778

e-mail: sales@astra-vt.com



Fax Back Enquiry Form

Faxback to: 0151 348 5778

Company Name
Address

Phone Number
Fax number

Contact

Postcode
Extension

Vehicle Make
G.V.W
G.C.W

Model
Suspension
Type e.g air/steel - parabolic / asymmetric / municipal
Cab Type
(sleeper/day/crew)

Wheelbase length
5th wheel position & height

Overhang
Flitched ? Yes / No

Requirements
Please describe
the modification
to be considered:-

Quantity

Vehicle Schedule

Please contact me to discuss our requirements:-
Please mail brochures on the AVT range of products to:-
Please delete my contact details from your database:-