

6x6



MOBILITY
RE-DEFINED | RE-DESIGNED

6x6 HILOAD |



LOCAL ASSEMBLY

6x6 HILOAD was designed from the start to be assembled not only in the UK, but also the country of use.

This has been made simpler by the design of an all-new one piece chassis which replaces the original.

Significant Finite Element Analysis (FEA) was undertaken on the OEM 4x4 chassis to enable the new chassis to replicate and increase the strength profile through the chassis profile.

We increased material thickness, section heights and fabricated a construction that optimises strength, flex and weight.

Heavy duty suspension and body mounts designed in as standard.

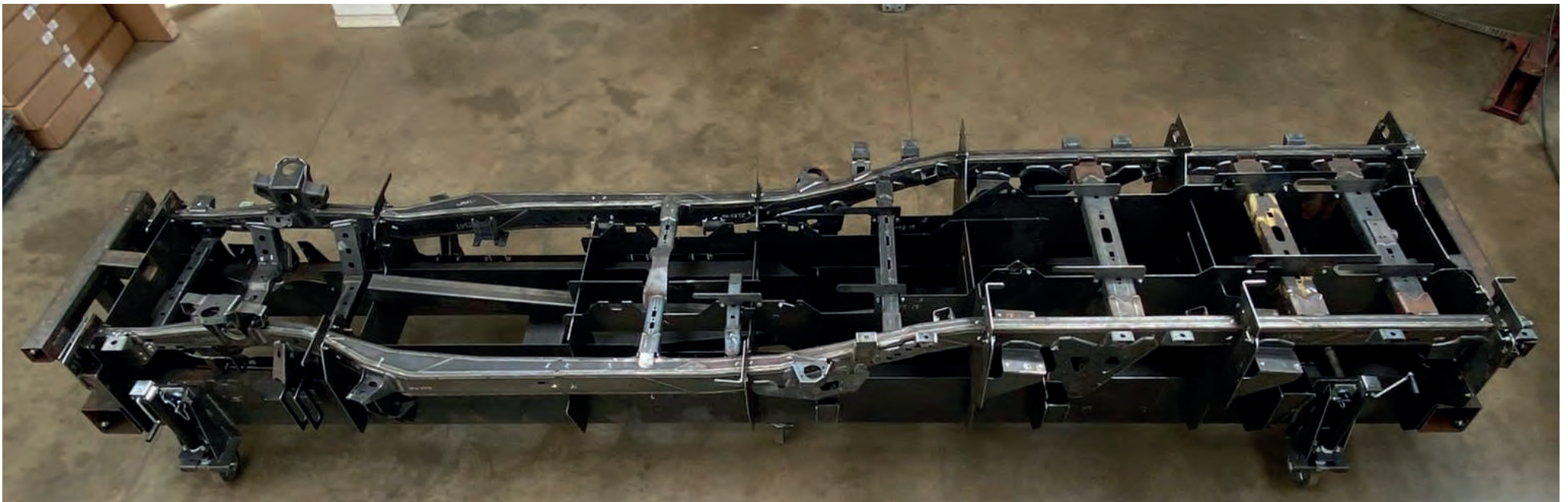
Empirical evidence from heavy duty useage indicated weakness existed in the OEM chassis in the C-Pillar area.

That is where our trailing arm mounts are located to provide further support in a known area of weakness on the OEM chassis when over-loaded.

The chassis will accomodate every Toyota OEM component as it is located on the 4x4 version.

This includes every mechanical fixing, clip or strap.

The only OEM part that changes is the final stage routing of the exhaust pipe.



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ASSEMBLY

The complete 6x6 HILOAD is built up in the UK as a complete module which are then shipped to country of use by container (6 in a 40ft) or transporter.

The customer has sourced Hilux in their own country which comes with a registration and certificate of conformity.

Prospeed engineers either train local engineers or undertake final assembly in country of use. This is circa 50 hours of labour to complete.

PDI / Final Inspection by Prospeed QC team.

The final conversion to customer specification such as Fire & Rescue can then be realised.



HOMOLOGATION

When the final customer conversion is complete Prospeed then support the homologation effort in the country of use with a series of drawings and the following independent test reports.

- ECE Reg 13.11 (N2) Brakes
- ECE Reg 79 Steering equipment
- ECE Reg 51.02 Pass by noise
- EU 1230-2012 Hill starting ability
- Model Report



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