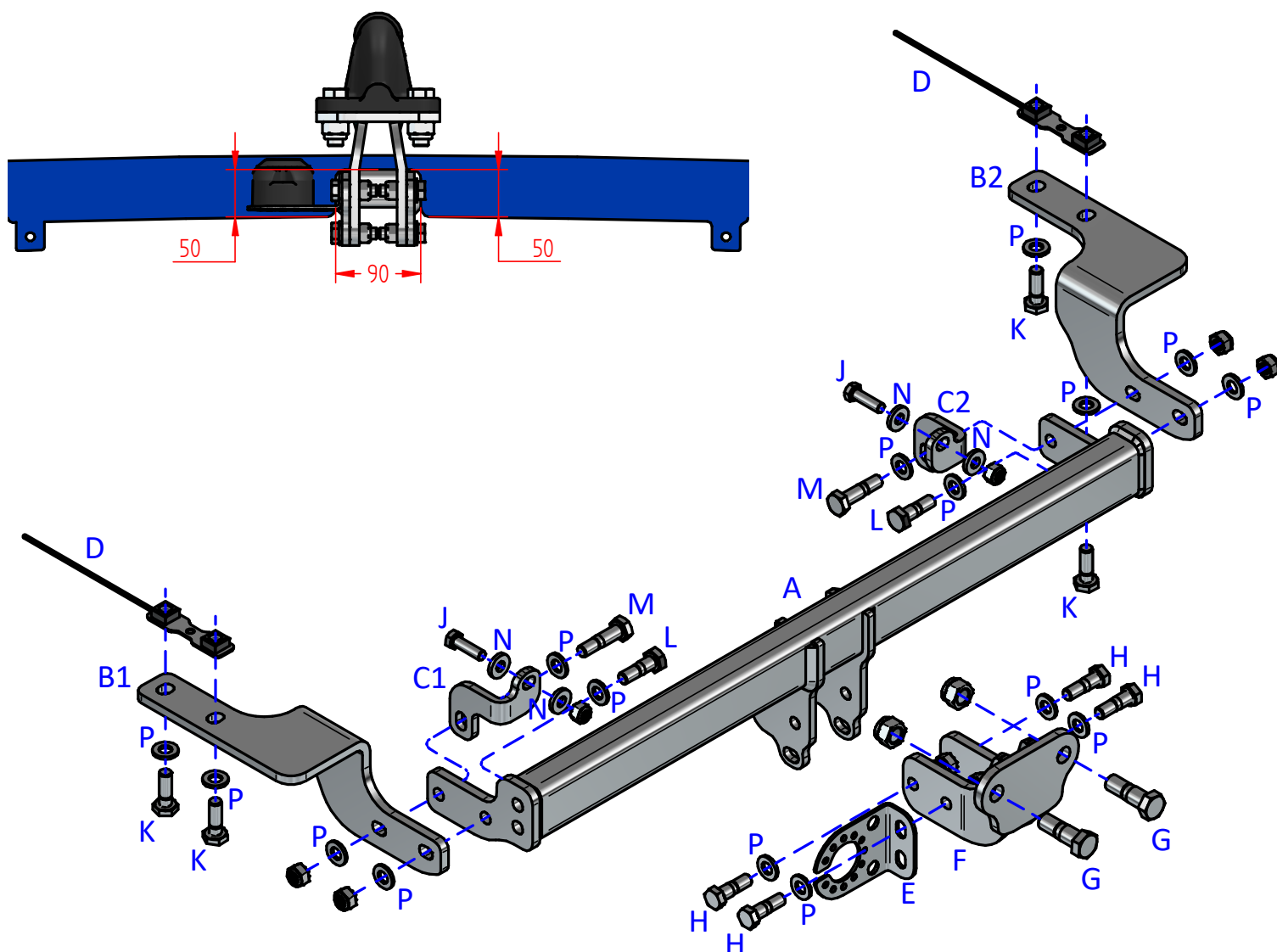




## TTOY16 Toyota Alphard & Vellfire (AH20) 2007 - 2015

Item	Qty	Description	Item	Qty	Description
A	1	TTOY16 Crossbar	G	2	M16 x 50 Bolts & Nyloc Nuts
B1	1	Left Hand Side Arm	H	4	M12 x 40 Bolts & Nyloc Nuts
B2	1	Right Hand Side Arm	J	2	M10 x 35 Bolts & Nyloc Nuts
C1	1	Left Hand Panel Bracket	K	4	M12 x 35 Bolts & S/P Washers
C2	1	Right Hand Panel Bracket	L	2	M12 x 40 Bolts & Nyloc Nuts
D	2	Clamp Plate	M	2	M12 x 50 Bolts & Nyloc Nuts
E	1	ASP1	N	4	10 x 25 Flat Washers
F	1	Extension	P	16	12 x 25 Flat Washers

1. Lower the spare wheel.
2. Cut the rear bumper as shown, in the centre of the bumpers lower face 90 mm wide and 50 mm deep, then remove the two lower bumper fixings (retain fixings for use later). If the vehicle has OEM sensors release the cabling from the retaining tags inside the bumper and bend the tags upwards slightly to clear the crossbar.
3. Open the holes in the chassis located around 410mm from the rear panel on each side to 30mm and insert items **D** above the pre-drilled holes with 67mm centres.
4. Loosely attach items **B1** and **B2** using items **K** with items **P** to the chassis and item **D**.
5. Feed item **A** inside the rear bumper (take care not to pinch any cables) and loosely attach to items **B1** and **B2** using items **L** with items **P**.
6. Loosely attach items **C1** and **C2** to the rear panel using items **J** with items **N** then attach to items **A**, **B1** and **B2** using items **M** with items **P**.
7. Loosely attach items **E** and **F** to item **A** using items **H** with items **P**.
8. Using items **G** fix the chosen ball bracket (not supplied in this kit) to item **F** and fully tighten all fixings ensuring the Towbar is rigid, square and secure.
9. Cable tie the sensor looms to the crossbar (if applicable), refit the two fixings and raise the spare wheel.



### Notes:

1. For Torque settings see general notes overleaf.
2. Nose load limits and vehicle manufacturer's trailer / caravan weight limits must be observed.
3. We recommend the use of PRO-TOW Couplings with all our products.