



# Tow-Trust Towbars

Important: Please read General Notes overleaf before fitting



Issue 1

## TVAUX3 VAUXHALL / OPEL ASTRA (K) SPORTS TOURER 2016>

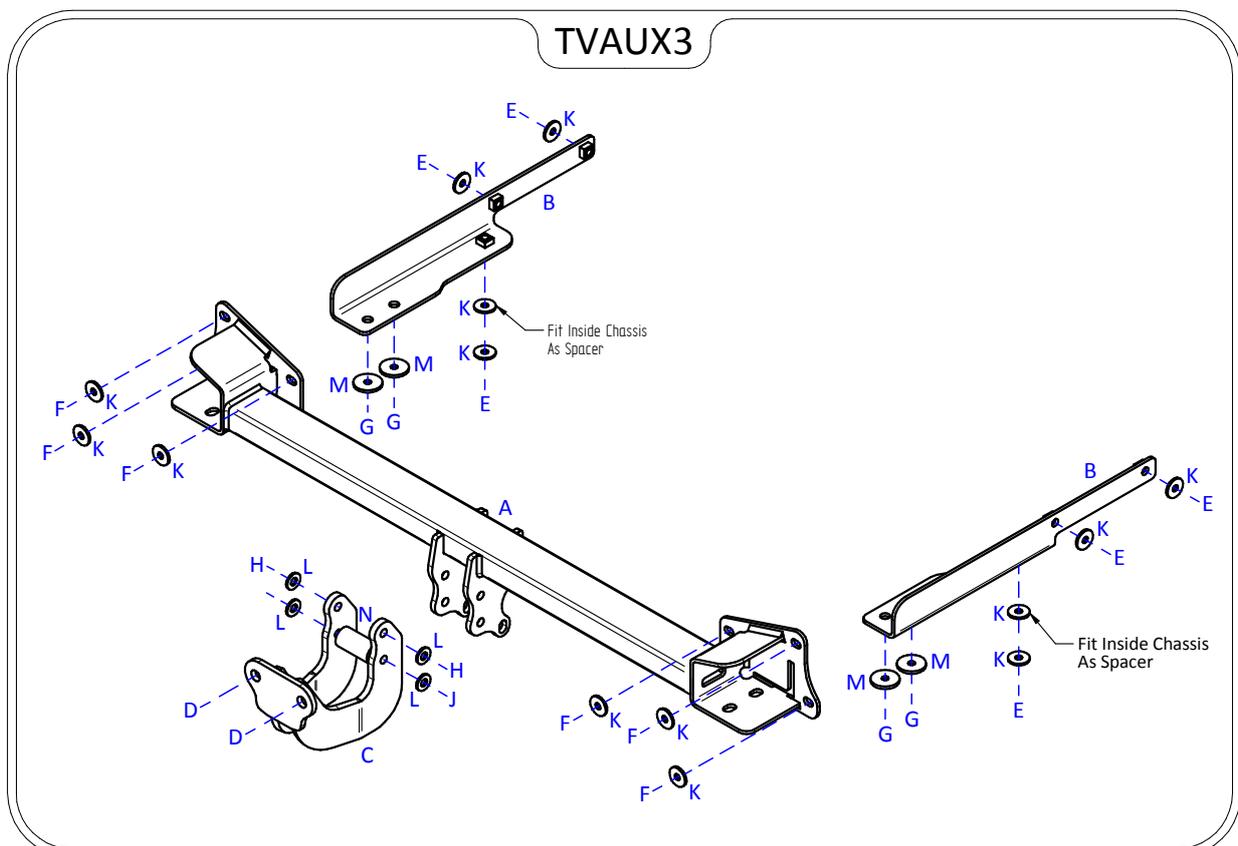
Item	Qty	Description	Item	Qty	Description
A	1	TVAUX3 Crossmember	D	2	M16 x 50 Bolts & Nyloc Nuts
B	2	Handed Side Arms	E	6	M10 x 35 (10.9) Bolts & S/P Washers
C	1	Extension	F	6	M10 Nyloc Nuts
			G	4	M12 x 35 Bolts & Nyloc Nuts
			H	2	M12 x 40 Bolts & Nyloc Nuts
			J	1	M12 x 120 Bolt & Nyloc Nut
			K	14	10 x 30 Flat Washers
			L	4	12 x 25 Flat Washers
			M	4	12 x 40 Flat Washers
			N	1	30mm O/D Spacer Tube 60mm Long

### BUMPER REMOVAL:

1. Remove the rear light clusters, two fixings found inside boot area behind each cluster.
2. Remove the rear bumper, four fixings around each wheel arch, one tip fixing each side, two fixings on the lower edge and one fixing under each light cluster.
3. Release bumper tips from the vehicles bodywork, unclip any necessary wiring looms and pull bumper rearward to remove.
4. Remove the rear impact beam, three fixings either side (This is NOT refitted with the Towbar assembly).

### TOWBAR INSTALLATION:

1. Clean the chassis openings from all underseal as this will affect how Items B line up.
2. Carefully insert Item K into each chassis member and line up with the rearmost vertical mounting point.
3. Insert Items B into each chassis member and loosely fix in place using Item E with Item K.
4. Fit Item A onto the rear panel studs fixing in place using Item F with Item K.
5. Using Item G with Item M fix Items B to Item A.
6. Using Item H with Item L and Item J with item L fix Item C to Item A ensuring Item N is fitted between the lower mounting point.
7. Using Item D fix your desired ball bracket and wiring plate (Not supplied in this kit) to Item C.
8. Fully tighten all fixings ensuring the Towbar is rigid, square and secure.
9. Refit the rear bumper and light clusters.



### Note:

1. Recommended Torque Setting for M12 Grade 10.9 -139 Nm. (For other Torque Settings see notes overleaf.)
2. Nose load limits and vehicle manufacturers trailer / caravan weight limits must be observed.