



**8513HKR: LS Turbo Cross-Over Tube for T56 w/ QuickTime Bell Housing**  
**8514HKR: LS Turbo Cross-Over Tube for GM Powerglide, GM TH400, GM TH350**  
**8515HKR: LS Turbo Cross-Over Tube for GM 4L60E & GM 4L80E**  
**8516HKR: LS Turbo Cross-Over Tube for T56 w/ OEM Bell Housing & 6L80E**  
**8517HKR: LS Turbo Cross-Over Builder Kit**

**PARTS INCLUDED:**

8513HKR- 8516HKR		8517HKR	
Qty.	Description	Qty.	Description
1	Turbo Cross-Over	2	2.25" 45° & 90° Bends
1	2.25" Band Clamp	1	2.25" Slip-Connector
1	Instruction Sheet	1	2.25" Band Clamp
		1	Instruction Sheet

**INSTALLATION FOR 8513HKR, 8514HKR, 8515HKR and 8516HKR:**

1. Install the Hooker Turbo Manifolds (8510HKR, 8510-1HKR) on the engine. (We recommend using Mr Gasket MLS or GM OEM Gaskets.) Do not tighten the bolts completely. Allow the manifolds to move a little for alignment of the turbo cross-over.
2. Place the supplied 2.25" band clamp over the slip-connector of the main cross-over tube sub-assembly and insert the short left side flanged tube sub-assembly into the slip-connector.
3. Attach the cross-over assembly onto the 8510HKR or 8510-1HKR manifolds using the V-band clamps included with the manifolds. Evenly tighten the V-band clamps just enough to hold the mated alignment of the V-band flanges to one another. **Important Note: Use anti-seize on the V-band clamp studs to prevent galling of the stud/nut threads.**
4. With the V-band flanges now aligned, fully tighten the manifolds to the cylinder head and then fully tighten both V-band clamps.
5. As the last step, tighten the band clamp on the slip-connector.
6. After the first couple heat cycles on the cross-over tube, check to make sure V-band clamps or the band clamp have not loosened up.

**INSTRUCTIONS FOR 8517HKR**

This self-build turbo crossover kit is intended for use with the Hooker 8510HKR / 8510-1HKR turbo manifolds only and requires components that are included with the manifolds to complete the fabrication process.

Attach the V-band flanges/clamps supplied with the Hooker 8510HKR / 8510-1HKR manifolds onto the manifold outlets and tighten the clamps while ensuring that the V-band flanges maintain their alignment with the manifold mating flanges. Use the supplied tube bends to create crossover tube geometry that is compatible with the specific transmission you are using (the included slip-connector and band clamp can be used to provide adjustability of your finished cross-over assembly, if desired).

Tack-weld the assembly together on the vehicle and then remove it to enable it to be fully welded on a bench.

**Important Note: Use anti-seize on the V-band clamp studs to prevent galling of the stud/nut threads.**

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