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**if it's diesel injection or turbo DENCO DO IT.**

## **FITTING INSTRUCTIONS**

### **TOYOTA 'H' LANDCRUISER**

AS AT 13.07.01

1. Remove exhaust manifold and complete exhaust system and replace with TurboDyn turbo and manifold assembly using gaskets and washers supplied.
2. Mark engine side cover position where oil return is to be drilled. Remove side cover. Drill and weld in 2" \* 3/4" steel tube to meet oil return pipe.
3. Fit turbo crossover pipe between turbo outlet and intake manifold using hoses and clamps supplied.
4. Remove oil pressure sender from engine block and replace with 1/8 BSP nipple, tee piece and 1/8 \* DASH 5 fittings. Fit oil sender into end of tee piece and connect oil line to turbo.
5. Undo maximum fuel plunger on side of fuel pump half a turn from standard and relock.
6. Have exhaust fitted using free flow muffler. (Not supplied)
7. Idle engine for 1 minute before applying full load. Check for oil leaks before and after road test.
8. Road test vehicle and set maximum boost pressure at 50 KPA. Ensure exhaust gas temperature does not exceed 550°C under full load.

**NOTE:** No plumping is supplied for air inlet or air cleaner as an 8" Donaldson air-cleaner is normally mounted externally- we can supply this if necessary as an optional extra.

No tail pipe or exhaust brackets are supplied, but 90° elbow can be cut to direct exhaust to ground or side on agricultural vehicles. A tail pipe must be directed to rear of vehicle if it is a passenger carrying design.

## **TOYOTA H ENGINE LANDCRUISER**

### **PARTS LIST**

ITEM	QTY	PART NO	CHECK	DESCRIPTION
1	1	311053		S2A turbocharger
2	1	132044		Turbocharger base gasket
3	1	TDM200		Actuator bracket
<b>EXHAUST</b>				
4	1	TDM317		Exhaust manifold
5	6	17173-47010		Gaskets
6	4	TDM010		1¼ * 3/8" UNC studs and lock nuts
7	3	826.0656		Bolts and stainless steel spring washers
8	1	TDM187		Turbo dump pipe
<b>OIL IN</b>				
9	1	3LD1		Brass oil in fitting
10	1	A8-0504		¼" BSP * DASH5 * 90° fitting
11	1	147837		Oil in gasket
12	2	826.0749		Bolts and spring washers
13	1	A27-02		1/8 * 1/8 BSP male nipple
14	1	A35-02		1/8 BSP female tee
15	1	A7-0502		1/8 BSP * No. 5 straight union
16	1	HOS32		Oil supply hose 32"
<b>OIL OUT</b>				
17	1	TDM193		Oil out pipe
18	1	148062		Oil out gasket
19	2	826.0749		Bolts and spring washers
20	1	TDM187		2½" * 3/4 oil out steel tube
21	1	LOL-12		4½ * 3/4 oil out hose
22	2	HS010P		No 10 Hose clamps
<b>AIR OUT</b>				
23	1	TD27001		Turbo to venturi crossover pipe cut short 30mm in jig
24	1	670-200		2½" piece of 2" dia turbo hose
25	1	670-225		2½" piece of 2¼" dia turbo hose
26	4	HS032P		No 32 hose clamps
27	1	A7-0402		1/8" gas plug