

ARMAX SMIGUN125A1

Toyota Hi-Lux125 Series 1GD-FTV (130kW) 2015-04/2020 and Toyota Fortuner 155 Series 1GD-FTV (130kW) 2015-04/2020 ARMAX ECU





The Safari Armax Engine Control Unit (ECU) CANNOT be used in conjunction with any aftermarket electrical device, micro controller or altered/reflashed OE control unit which influences the operation of the OE control unit and/or the operation of the vehicles drivetrain, without specific written consent from Safari 4x4 Engineering Pty Ltd, failure to seek written consent will void all claims against vehicle drivetrain warranties which Safari 4x4 Engineering offer as part of this system.

Parts List

Item	Part No.	Description	Qty.
1.	000-081-800	SAFARI ARMAX ECU	1
2.	322-283-000	WIRING LOOM	1
3.	322-283-050	WIRING LOOM - IN CAR	1
4.	000-082-000	SWITCH - 5 POSITION - ECU	1
5.	322-289-000	MOUNTING BRACKET A	1
6.	322-289-100	MOUNTING BRACKET B	1
7.	322-289-200	MOUNTING BRACKET C	1
8.	322-289-300	MOUNTING BRACKET D	1
9.	000-001-500	BOLT - M6 X 12MM - SEMS - SS	2
10.	000-001-600	BOLT - M6 X 15MM - SEMS - SS	7
11.	000-1013-400	BOLT - M8 X 25MM - SEMS - SS	2
12.	333-189-500	SPACER - 5MM	1
13.	000-302-100	WASHER -FLAT - M8	1
14.	000-205-300	NUT - NYLOC - M8	1
15.	000-987-290	TIE - CABLE	14

ARMAX ECU Mounting Bracket Diagram





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2.	Identify ECU mounting plate (Bracket A) and rear support bracket (Bracket D).	
3.	Install Safari Armax ECU and rear support bracket (Bracket D) to ECU mounting plate (Bracket A) in orientation shown. - Tighten bolts	Item 9 (Item 9) (Item 10)
4.	Install side support bracket (Bracket B) to ECU mounting plate (Bracket A). - Do not fully tighten side support bracket bolts (2 x item 10)	
5.	Install front support bracket (Bracket C) to ECU mounting plate (Bracket A). - Do not fully tighten front support bracket bolts (2 x item 10)	

6.	Remove the horn from its bracket and retain OE nut. Remove the horn bracket and discard.	Remove Remove
7.	Take note of side support bracket (Bracket B) mounting locations.	
8.	Take note of rear support bracket (Bracket D) mounting point located lower left side of brake master cylinder.	
9.	Remove and retain inboard nut from ABS unit.	Remove and retain

10.	Install ECU and bracket assembly over ABS unit and locate front support bracket (Bracket C) onto ABS mounting stud shown. The nut can be installed after the next couple steps.	
11.	Install rear support bracket (Bracket D) using M8x25mm bolt (1 x item 11) and 5mm spacer (item 12) as shown.	Install Spacer
12.	Install side support bracket (Bracket B) mounting bolts. - Rearward bolt M8x25mm SEMS (1 x item 11) - Forward bolt M6x15mm SEMS (1 x item 10)	
13.	Install retained OE ABS unit nut to front support bracket. - Tighten all ECU bracket and mounting bolts	listall











25.	Connect Map selector switch.	IN CAR LOOM
26.	Mount Map select switch in desired location. Hold firmly into position for 60 seconds	Remove adhesive backing cover Map select switch
27.	Connect Safari loom to positive and negative Secure wiring harness along firewall and to of Sharp edges or hot surfaces.	ve terminals of battery. the OE wiring harness. Ensure that it is clear

28.	 Final fitment checklist: Check all ECU mounting hardware is tight. Check the loom is secure and not in contact with the engine or exhaust. Check all connections are correct. Check the Armax ECU diagnostics. Place the user manual and bridge out connector in the glove box of the vehicle.
29.	Re-install engine cover.
30.	 Test drive checklist: Start vehicle and ensure there are no engine/warning lights. Check that the engine is operating as normal (not misfiring/making unusual sounds). Check that the switch illuminates and cycles through the different maps Drive the vehicle ensuring it reaches full operating temperature (the ECU will not operate at its full potential until this is reached). Drive the vehicle on different maps and check that the ECU operates correctly.
31.	Record a log file of the vehicle and E-Mail it to: Support @Safari4x4.com.au so the file can be checked and approval given for the vehicle to be released to the customer.