1989-1996 Toyota Hilux 105/106 E/Cab 33 Gallon Replacement Tank Instructions

Product Information/Install Instructions for

1989-1996 Toyota Hilux 105/106 E/Cab Gas/Diesel

Kit P/N TH105ER



regulatory agency

D. INSTALLATION KIT CONTENTS

HARDWARE	HOSES & CLAMPS	MISC PARTS
1 x M10 x 30mm Bolt w/Wire Attached	1 x 6mm Fuel Hose @ 27.56" Long	
1 x M10 Plain Nut	1 x 6mm Fuel Hose @ 33.46" Long	
1 x M10 Nyloc Nut	1 x 8mm Fuel Hose @ 35.4" Long	
1 x M10 x 21mm x 16g Washer	6 x 1/4" Hose Clamp	
6 x M8 x 25mm Bolt	1 x 1/2" Hose Clamp	
1 x M8 Nyloc Nut	1 x 2" Hose Clamp	
6 x M8 Spring Washer		
6 x M8 x 25mm x 16g Washer		
BRASS	**ELECTRICAL**	
1 x P6 1/4" x 1/4" 6mm Hose Barb Elbow		
1 x P6 5/16" x 1/4" 8mm Hose Barb Elbow		
1 x P6 1/2" x 1/4" 12mm Hose Barb Elbow		
1 x P3 1/4" x 1/4" 6mm Hose Barb Straight		

A. REMOVE DRIVE SHAFT/EXHAUST SYSTEM/HEAT SHIELD

1. Remove rear section of drive shaft, taking care to mark splines for later refit.
2. Unbolt rear section of exhaust system (including mufler) at flange, just forward of the center cross member. Remove section from vehicle.
3. Remove heat shield and mounting tabs from floor pan

B. REMOVE OEM FUEL TANK

1. Drain and remove OEM fuel tank from vehicle, being careful to disconnect all hoses and wires before dropping the tank down.

C. MODIFY FLOOR-STRENGTHENING PANEL

1. Locate the floor-strengthening panel in the center and to the rear of the front mounting cross member.
2. The edges of this panel that are pointing down need to be bent out flat to prevent contact at the very top front corner of the new tank. Use the front mounting point as a reference to measure across and rearward to the appropriate point to bend this lip.
3. Driver-side front shackle bolt may need to be cut to length of shackle bolt nut, so it doesn't stick out.

D. PREPARE NEW TANK

1. Remove sender unit from OEM fuel tank.
2. Drop supplied magnet into the new tank, and locate as close to the fuel pickup point as possible.
3. Position sender unit in new tank, adjust float arm length to insure accurate fuel gauge (per diagram included in tank kit). Check full/empty travel of float arm.
4. Fit sender unit to new tank using OEM screws.
5. Screw brass fittings into tank and attach hoses to respective fittings as per diagram (included in tank kit).

A. PUT NEW TANK INTO POSITION/CONNECT HOSES AND WIRES

1. Safely lift new tank into position, connecting the OEM filler pipe to the tank filler inlet and connecting the sender unit wires as it is lifted. Connect all remaining lines.
2. Secure the tank with the new bolts provided.
3. Finish connecting all other hoses.

B. FINISH INSTALLATION

1. Check all hose clamps and bolts for tightness.
2. Refit drive shaft.
3. Modify and fit exhaust system per notes on page 8.
4. Fill with fuel and check all hoses and fittings for leaks. **DO NOT OVERFILL OR "TOP OFF" TANK WHEN FILLING, DAMAGE TO YOUR EMISSION SYSTEM MAY RESULT.** Check for leaks again after first 50 miles.
5. Reconnect vehicle battery.

A. SUPPLY SUITABLE MUFFLER/INTERMEDIATE PIPE/TAIL PIPE

Supply a suitable mufler to fit in section of engine pipe adjacent to the transfer case. Mounting the mufler here will require cutting out the resonator, if vehicle is fitted with one. Intermediate and tail pipes are also customer-supplied.

B. PUT EXHAUST SYSTEM TOGETHER

1. Fit mufler to engine pipe.
2. Remove flanges from OEM pipes and weld one flange to outlet of mufler.
3. With new fuel tank in place, put intermediate pipe into place and tack weld remaining flange to intermediate pipe.
4. Tail pipe can now be joined onto intermediate pipe. Once correct pipe rotation has been achieved, tack weld both pipes together NOTE: If a resonator was originally fitted to the exhaust system, it is recommended that it be refitted into the new tail pipe by cutting out a suitable length of the downward- sloping section of the tail pipe and inserting the resonator.

C. FINISH INSTALLING EXHAUST SYSTEM

Once all tack welding has been completed, remove new exhaust assembly from vehicle and completely weld all joints. Refit exhaust system, start and run engine and check for any exhaust leaks and contact between the exhaust system and the body.

A. **Are all hose clamps tight and secure?**

B. **Are all nuts and bolts secured?**

C. **Are mounting brackets and straps secure?**

D. **Are Fuel Gauge Sending Unit bolts secured?**

E. **Are all fuel lines secure with no kinks?**

F. **Does tank interfere with, or rub on, other vehicle components?**

G. **Is tank calibration accurate?**

☐ **Congratulations! You have completed the install!**