

HOW TO INSTALL A USED TRANSMISSION IN A 2013 HONDA ODYSSEY

User Manual



*Please keep this manual for future
reference on transmission installation tips.*

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About This Manual

Car Model/Year: 2013 Honda Odyssey
How to Install Used Transmission

The Purpose of this manual is to help you install the 2013 Honda Odyssey Transmission and make it easy for you. It's easy to read & have detailed steps, which leaves nothing behind. If you are passionate about car's and want to deal with problems yourself, then it's for you. We hope you use this manual to tackle the engine installation problem yourself.

1.Introduction

This manual explains how to safely and correctly install a used automatic transmission into a 2013 Honda Odyssey. It's written for DIY mechanics and professional technicians. Familiarity with automotive repair is recommended.

2.Safety Information

1.1 Important Warnings

- ◆ Always disconnect the battery terminal before you start working.
- ◆ Support the vehicle securely on jack stands before getting underneath.
- ◆ Never work under a vehicle which is supported only by a jack.
- ◆ Wear gloves and safety glasses at all times.

3.Tools and Equipment Needed

- ◆ Full socket set (metric)
- ◆ Transmission jack or floor jack with wood block
- ◆ Torque wrench
- ◆ Jack stands
- ◆ Engine hoist or support bar
- ◆ Pry bar
- ◆ Drain pan
- ◆ Shop rags
- ◆ Transmission fluid
- ◆ Safety glasses and gloves

4.Product Overview

- ◆ Model: 2013 Honda Odyssey
- ◆ Engine Type: 3.5L V6
- ◆ Transmission Type: 6-Speed Automatic

A used transmission must be compatible with your model and for that you need to check VIN, gear ratios, and ECU match.



5.Pre-Installation Checklist

- ◆ Confirm that the used transmission fits perfectly into your 2013 Honda Odyssey by using code: 6AT – 6-speed auto.
- ◆ Look visually for broken sensors, leaks, or cracks.
- ◆ Replace worn parts of the used transmission.
- ◆ Make sure the torque converter is properly placed.
- ◆ Have at least 4 quarts of Honda DW-1 ATF fluid.

6.Step-by-Step Installation

a) Preparation

- ◆ Park your vehicle on a flat area.
- ◆ Put the parking brake.
- ◆ After that, you need to disconnect the negative battery terminal.
- ◆ Uplift the vehicle and place it on jack stands for easy accessible.
- ◆ Also, remove the front wheels for easier access.

b) Remove the Old Transmission

- ◆ Drain transmission fluid into a pan.
- ◆ Disconnect all sensors, connectors, and shift cable.
- ◆ Remove the air intake and battery tray.
- ◆ Unbolt and remove axles from both sides.
- ◆ Remove the torque converter bolts through the starter hole.
- ◆ Support the engine with a support bar or hoist.
- ◆ Unbolt the transmission from the engine block and mounts.
- ◆ Lower and remove the old transmission with a jack.

c) Install the Used Transmission

- ◆ Align and lift the replacement transmission into position.
- ◆ Tighten all transmission engine bolts by using hand.
- ◆ Torque bolts as per manufacturer specifications, generally 47 lb-ft.
- ◆ Install the torque converter bolts.
- ◆ Tighten the torque converter in a crisscross pattern.
- ◆ Reinstall the axles, sensors, shift cable, and mounts.
- ◆ Reinstall the battery tray and air intake.

d) Final Steps

- ◆ Reconnect the battery.
- ◆ Refill with ATF-DW1 about 4 quarts.
- ◆ Start the engine and shift using all the gears.
- ◆ Check for leaks under the hood.
- ◆ Make sure there is proper fluid level.

7. Post-Installation Checks

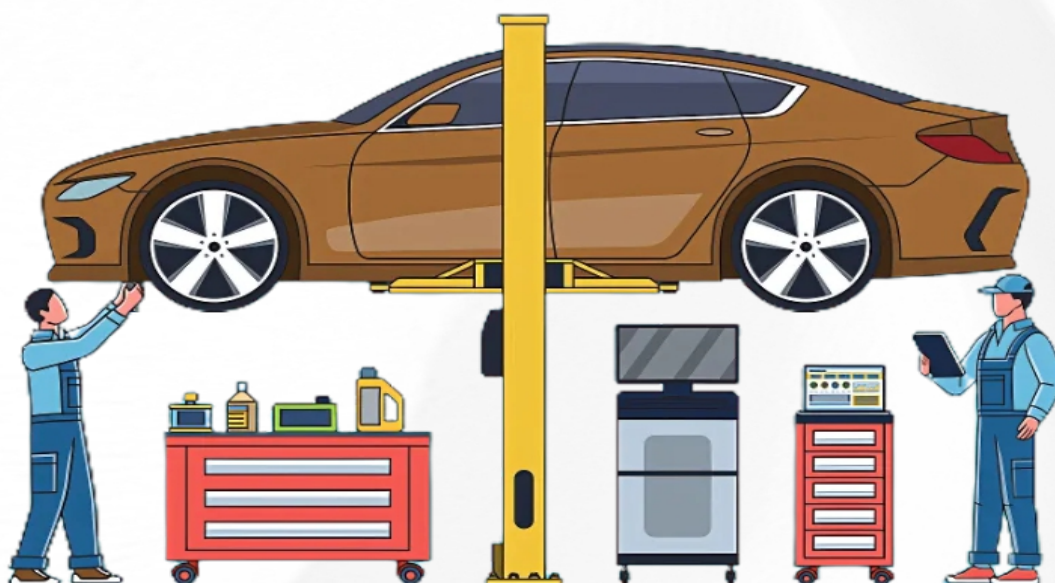
- ◆ Drive the car for few minutes.
- ◆ Monitor for any warning lights.
- ◆ Recheck ATF fluid level with the dipstick.
- ◆ Listen for strange noises.

8. Troubleshooting Guide

| Problem | Possible Cause | Solution |
|--------------------|---|----------------------------------|
| No gear engagement | Torque converter not installed properly | Reinstall transmission correctly |
| Leaking fluid | Old seals or loose pan bolts | Replace seals, tighten bolts |
| Rough shifting | Low fluid or wrong type | Check level, use DW-1 only |
| CEL or DTC codes | Electrical connectors not seated | Recheck all wiring |

9. Maintenance Tips

- ◆ You must check transmission fluid after every 3K miles.
- ◆ Avoid towing in D without proper load support.
- ◆ Always use high-quality ATF.
- ◆ Drain the fluid after every 30K miles for longevity of vehicle and transmission.



10. Warranty & Support

- ◆ If purchased from our store, your used transmission comes with a warranty of up to 2 years covering internal components. This warranty does not include labor.



11. Appendix

- ◆ Transmission Torque Specs
- ◆ ATF Fluid Chart
- ◆ OEM Transmission Part Numbers
- ◆ Fuse Location for Transmission ECU

Thank You

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IF YOU ARE UNABLE TO
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