



2012 - 2014 TL
3.7 SH-AWD

OIL CHANGE

Drain Plug Washer Prt#: 90471-PX4-000 | Fill Plug Washer Part#: 94109-20000 | ATF Fluid Prt#: 08200-9008

TIPS AND TOOLS

- ✓ 5W20 Engine oil 4.5 us qt
- ✓ Vehicle Specific Oil filter
- ✓ Drain Plug "Crush" Washer
- ✓ 17 mm Socket Wrench (6 point)
- ✓ Torque Wrench (29 ft. lbs.)
- ✓ Plastic Bag
- ✓ Oil drain pan (at least 2 gal.)
- ✓ Hydraulic Car Jack
- ✓ Jack Stands
- ✓ Oil Absorbant Mat
- ✓ Protective EyeWear & Gloves
- ✓ Oil Filter Wrench

Be sure to follow all manufacturer safety and hazard precautions and protocol for procedure and waste disposal at all times to ensure this is done properly and safely.

DO NOT PROCEED WITHOUT CONSULTING MANUFACTURERS SAFETY GUIDELINES FOR REPAIR AND MAINTENANCE PROCEDURES FIRST.

- 1 Turn on engine and allow motor to run to operating temperature or until cooling fan comes on. Then Turn Engine off. this ensures the oil drains effortlessly.
- 2 Pop Hood and locate oil fill plug
- 3 Jack up car, and secure on jack stands or use Rhino Ramps to gain access to oil drain plug.
- 4 Locate drain plug and loosen with wrench going counter clockwise, then remove the drain plug. *Be sure to have on protective eyewear!*
- 5 Drain oil. Clean drain plug, install new "crush washer" onto drain plug.
- 6 Locate oil filter, with a plastic bag wrapped around, counter clockwise twist off the oil filter. Pour excess oil/ from filter into drain pan.
- 7 Prime new oil filter by filling it 3/4 of the way of the new oil and moisten the seal with new oil as well.
- 8 Install oil filter, by aligning the screw and twisting clockwise until hand tight.
- 9 Check to ensure all oil has drained from crankcase. by accessing if there is anything dripping from the drain hole.
- 10 Install drain plug with new "crush washer" to torque setting (29 ft. lbs.) and clean area.
- 11 Collect old oil into Transportable container for drop off at local auto parts store or oil recycle center in your area.
- 12 Fill Crankcase with 4.2 US QT of Oil using funnel, being careful not to spill. Use 4.5 US QT if changing filter as well.
- 13 Turn on Car and let idle for 30 seconds. Turn car off, and check engine oil level with dipstick. if more oil is needed add more oil. Also check drain plug to ensure no leakage.
- 14 RESET maintenance minder by holding the "Select button" on the steering wheel for 10+ Seconds , or until the oil % reads "100%"

RELEASE/WAIVER: By use, distribution or dissemination of any information contained herein, you hereby expressly agree to indemnify and hold harmless its creator from and against any and all claims for personal injuries or damages of any kind arising from exacting and/or following the information and/or iterations derived from of this document. P. Anderson assumes no liability for anything you choose to do to your car, before, or after consulting or utilizing the content and information contained herein. Not intended for public use.



2012 - 2014 TL
3.7 SH-AWD

PURGE CONTROL VALVE

Purge Control Valve Solenoid Part Number: 36162-RMX-A01

TIPS AND TOOLS

- ✓ *Purge Control Valve Solenoid Part*
- ✓ *10mm Socket*
- ✓ *Socket Extension*
- ✓ *Telescopic Magnet*
- ✓ *Paper Towels*
- ✓ *Work Light*
- ✓ *Nitrile Protective Gloves*

Be sure to follow all manufacturer safety and hazard precautions and protocol for procedure and waste disposal at all times to ensure this is done properly and safely.

DO NOT PROCEED WITHOUT CONSULTING MANUFACTURERS SAFETY GUIDELINES FOR REPAIR AND MAINTENANCE PROCEDURES FIRST.

- 1** On a cool engine using needle nose pliers, locate the purge valve and squeeze the clamps, slide the hoses on front/back of Purge Solenoid.
- 2** Check hoses to ensure there are no obstructions, using compressed air to clear them out.
- 3** Using a **10mm socket**, remove the 2 nuts that hold the purge canister in place. Be extremely careful not to drop them into the engine compartment. Slide the purge valve off.
- 4** Using a Phillips head remove two screws that hold the solenoid on the bracket. Set aside the old canister.
- 5** Take the new canister and put in place on bracket and screw in two screws to secure it in place onto the bracket.
- 6** You can use connector protector if you want to help seal out moisture on the outside of the connector.
- 7** Install the purge canister, now connected to the bracket onto the engine securing it with the two nuts using a **10mm socket**.
- 8** Once the bracket is secured, secure the connector in place ensuring it clicks.
- 9** Using needle nose pliers, reconnect the hoses to the front and the back of the purge valve.
- 10** Reset the code using your OBDII code reader/clearer device. Or simply wait till the car clears the code itself.
- 11** The code should disappear after a few driving cycles.

RELEASE/WAIVER: By use, distribution or dissemination of any information contained herein, you hereby expressly agree to indemnify and hold harmless its creator from and against any and all claims for personal injuries or damages of any kind arising from exacting and/or following the information and/or iterations derived from of this document. P. Anderson assumes no liability for anything you choose to do to your car, before, or after consulting or utilizing the content and information contained herein. Not intended for public use.



2012 - 2014 TL
3.7 SH-AWD

REAR BRAKES

2012 > Acura > TL SEDAN > Rear Brake > 43019-TK4-A00

TIPS AND TOOLS

- ✓ Hydraulic Car Jack
- ✓ Torque Wrench
- ✓ Jack Stands
- ✓ Breaker bar
- ✓ Rear Brake Pad Set
PART# 43019-TK4-A00
- ✓ Front Brakes Shims
- ✓ Brake Shim Grease / Lube
- ✓ Wheel Lock key
- ✓ Paper Towels / Shop towels
- ✓ Rubber Gloves
- ✓ Dual Piston Compression Gun

You can do two sets at same time, Front, rear, passenger or drivers sides.

Be sure to follow all manufacturer safety and hazard precautions and protocol for waste disposal at all times to ensure this is done properly and safely.

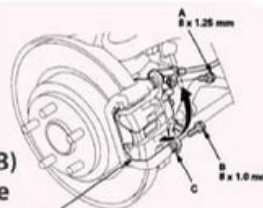
DO NOT PROCEED WITHOUT CONSULTING MANUFACTURERS SAFETY GUIDELINES FOR REPAIR AND MAINTENANCE PROCEDURES FIRST.

1 Place towels around master cylinder, if at max mark, remove some fluid.

2 Raise and support vehicle.

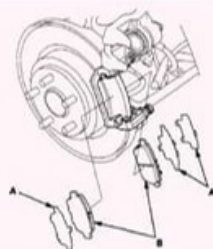
3 Remove the rear wheels.

4 Remove brake hose bracket bolt (A) using 13mm socket

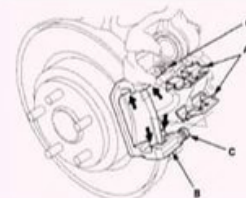


5 Remove the flange bolt (B) (13mm) while holding the caliper pin (C) with a wrench. Be careful not to damage the pin boot, and pivot the caliper body (D) up out of the way.

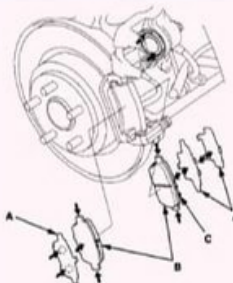
6 Remove (A) pads shims and (B) brake pads.



7 Remove retainer clips (A) and clean off dust and debris from caliper brack (B) and check bushings and slide pins (C).



8 Compress Caliper Pistons. Apply a thin coat of lube :
• Between pads/shims
(NOT ON SURFACE THAT CONTACTS ROTOR)
• Contact points (see Arrows)



10 Install retainer clips correctly. Install brake pads Correctly: pad shims with wear indicator on the upper, inside position (C).

11 Pivot the caliper body down into position. Install the 13mm caliper pin bolt and tighten it to 16 ft. Lbs. while holding the caliper pin with a wrench. Tighten Brake hose bolt (13mm) to 16ft. lbs.

12 Install rear wheels, Pump brakes 5-7 times. Start engine and test drive slowly.

RELEASE/WAIVER: By use, distribution or dissemination of any information contained herein, you hereby expressly agree to indemnify and hold harmless its creator from and against any and all claims for personal injuries or damages of any kind arising from exacting and/or following the information and/or iterations derived from of this document. P. Anderson assumes no liability for anything you choose to do to your car, before, or after consulting or utilizing the content and information contained herein. Not intended for public use.



2012 - 2014 TL
3.7 SH-AWD

R-DIFFERENTIAL

Drain Plug Washer Prt#: 90471-PX4-000 | Fill Plug Washer Part#: 94109-20000 | AWD Fluid Prt#: 08200-9007A

TIPS AND TOOLS

- ✓ Acura AWD Fluid (DPSF) 2.67 US qt. PART# 08200-9007A
- ✓ Extra Long Funnel
- ✓ Torque Wrench (35 ft. lbs.)
- ✓ 17 mm Socket (6 point)
- ✓ 20mm FillPlug "Crush" Washer
- ✓ 18mm DrainPlug "Crush" Washer
- ✓ Oil drain pan (at least 2 gal.)
- ✓ Hydraulic Car Jack
- ✓ Jack Stands
- ✓ Oil Absorbant Mat
- ✓ Protective EyeWear
- ✓ Rubber Gloves
- ✓ Oil Quart Pump

Be sure to follow all manufacturer safety and hazard precautions and protocol for waste disposal at all times to ensure this is done properly and safely.

DO NOT PROCEED WITHOUT CONSULTING MANUFACTURERS SAFETY GUIDELINES FOR REPAIR AND MAINTENANCE PROCEDURES FIRST.

- 1 Run engine to operating temperature (cooling fan comes on). Then Turn Engine off. this ensures the fluid drains effortlessly.
- 2 Jack up the rear of the car, and secure on jack stands to gain access to differential drain plug.
- 3 Locate and remove differential Filler bolt (labeled DPSF) turning clounter clock-wise. Clean bolt, nstall new washer and set aside.
- 4 Remove drain bolt and drain fluid. Clean drain plug, install new "crush washer" onto drain plug while fluid drains.
- 5 Lower car back to level while fluid drains. This allows fluid to completely drain.
- 6 Once all fluid has drained from no fluid will be dripping. Continue to next step. *Take note of the amount drained.*
- 7 lift and secure car and Install **DRAIN PLUG** bolt with new washer, torque settings (35 ft. lbs.)
- 8 Attach Oil quart Pump to quart of AWD fluid. insert plastic tube into fill plug hole and pump fluid into differential (2.67 US qt.) or until fluid starts to spill out.
- 9 Lower the car back to level and let fluid self-level by allow excess fluid to drain. Once fluid level reaches bottom of the filler plug it will drain no more. That is proper level.
- 10 lift and secure car and Install **FILLERPLUG** bolt with new washer, torque settings (35 ft. lbs.)
- 11 Turn on car and drive for five minutes. Then park.
- 12 Check near drain plug for leaks.

RELEASE/WAIVER: By use, distribution or dissemination of any information contained herein, you hereby expressly agree to indemnify and hold harmless its creator from and against any and all claims for personal injuries or damages of any kind arising from exacting and/or following the information and/or iterations derived from of this document. P. Anderson assumes no liability for anything you choose to do to your car, before, or after consulting or utilizing the content and information contained herein. Not intended for public use.



2012 - 2014 TL
3.7 SH-AWD

SPARK PLUGS

Spark Plug Part Number: 12290-R40-A01

TIPS AND TOOLS

- ✓ Spark Plugs
- ✓ 5/8" Magnetic Spark Plug Socket
- ✓ Socket Extension
- ✓ Torque Wrench (16 ft. lbs.)
- ✓ Telescopic Magnet
- ✓ Paper Towels
- ✓ Work Light
- ✓ Nitrile Protective Gloves
- ✓ 10mm, 12mm, 5/8" sockets

Be sure to follow all manufacturer safety and hazard precautions and protocol for procedure and waste disposal at all times to ensure this is done properly and safely.

DO NOT PROCEED WITHOUT CONSULTING MANUFACTURERS SAFETY GUIDELINES FOR REPAIR AND MAINTENANCE PROCEDURES FIRST.

- 1 Disconnect the brake booster vacuum hose from the strut brace. Using a 10mm Socket, remove screws that secure strut brace.
- 2 Locate coil wire harness cover, on the back pull tabs back while lifting up plastic harness to gain access to coils and connectors.
- 3 Release each coil connector by pressing on the latch and pulling connectors apart carefully. Repeat for each coil.
Using a 10mm Socket, remove the nut that holds the coil in place on the set of you are currently working on by turning it counter-clockwise (left). Carefully set aside. **DO NOT LOSE/DROP THEM.**
- 4 Remove coils by pulling them out of the bores. If removing more than one at a time, be sure to lay them aside in order removed.
- 5 Using a 5/8" Spark Plug Socket and ratchet, lower socket down into bore and lock onto spark plug. Turn counter clockwise (left) to loosen until free. Lift spark plug up and out of bore.
- 6 Place old spark plugs next to each respective coil, in order removed. Locate new spark plug and inspect for damage before installing.
- 7 Carefully lock the sparkplug into the 5/8" Sparkplug socket magnet and carefully lower the sparkplug into the bore. Screw in the spark plug, hand tight.
- 8 Using a torque wrench, torque the **spark plug** to **19 ft. lbs.** **DO NOT OVER TIGHTEN.**
- 9 Once spark plugs are successfully installed, install the coil/boot into the respective bore it was pulled from. It should fit snugly.
- 10 After coil/boot is installed, install the **10mm nut** to secure the coils/boot in the bore. Hand tighten. **DO NOT OVER TIGHTEN. Torque to 9 ft. lbs.**
- 11 Connect the wire harnesses. Ensure they are fastened securely.
- 12 Install and secure wire harness cover by pushing it down into place until you hear a light click. That is the fasteners clicking into place to secure it.
- 13 When you have replaced all the spark plugs, installed boots and bolts, harnesses and cover... double check your work to make sure its correct. **Start your engine.**
- 14

RELEASE/WAIVER: By use, distribution or dissemination of any information contained herein, you hereby expressly agree to indemnify and hold harmless its creator from and against any and all claims for personal injuries or damages of any kind arising from exacting and/or following the information and/or iterations derived from of this document. P. Anderson assumes no liability for anything you choose to do to your car, before, or after consulting or utilizing the content and information contained herein. Not intended for public use.



2012 - 2014 TL
3.7 SH-AWD

TRANSFER CASE

Drain Plug Washer / Fill Plug Washer Part#: 94109-20000 (X2) | HGO-1 Fluid Prt#: 08200-9014A

TIPS AND TOOLS

- ✓ Acura HGO-1 Fluid (Hypoid Gear Oil)
PART# 08200-9014A
- ✓ .5 US. qt.
- ✓ Oil Quart Pump/Tubing
- ✓ Torque Wrench
- ✓ 3/8 inch Drive Breaker bar
- ✓ 20mm FillPlug "Crush" Washer
- ✓ Oil drain pan (at least 2 gal.)
- ✓ Hydraulic Car Jack
Jack Stands
- ✓ Oil Absorbant Mat
- ✓ Protective EyeWear
- ✓ Rubber Gloves

The car will have to be raised and lowered a few times during this procedure.

Be sure to follow all manufacturer safety and hazard precautions and protocol for waste disposal at all times to ensure this is done properly and safely.

DO NOT PROCEED WITHOUT CONSULTING MANUFACTURERS SAFETY GUIDELINES FOR REPAIR AND MAINTENANCE PROCEDURES FIRST.

- 1** Turn on engine and allow motor to run to operating temperature or until cooling fan comes on. Then Turn Engine off. this ensures the fluid drains effortlessly.
- 2** Jack up the rear of the car, and secure on jack stands to gain access to differential drain plug.
- 3** Locate transfer case filler bolt and remove bolt clounter clock-wise. Clean bolt put new washer on bolt and set aside.
- 4** Locate and remove drain plug bolt and drain fluid. Clean drain plug, install new "crush washer" onto drain plug while fluid drains.
- 5** Lower car back to level while fluid drains. This will allow fluid to completely drain from differential. All the fluid will not drain out if you do not level the car.
- 6** Check to ensure all fluid has drained from differential as no fluid will be dripping. If there is no more fluid draining continue to next step. *Take note of the amount drained.*
- 7** lift and secure car and Install **DRAIN PLUG** bolt with new washer, torque settings (35 ft. lbs.)
- 8** Attach Oil quart Pump to quart of **HGO-1 fluid**. insert plastic tube into fill plug hole and pump fluid into differential (.5 US qt.) or until fluid starts to spill out.
- 9** Lower the car back to level and let fluid self-level by allowing excess fluid to drain. Once fluid level reaches bottom of the filler plug it will drain no more. That is proper level.
- 10** lift and secure car and Install **FILLERPLUG** bolt with new washer, torque settings (35 ft. lbs.)
- 11** Turn on car and drive for five minutes. Then park.
- 12** Check near drain plug for leaks.

RELEASE/WAIVER: By use, distribution or dissemination of any information contained herein, you hereby expressly agree to indemnify and hold harmless its creator from and against any and all claims for personal injuries or damages of any kind arising from exacting and/or following the information and/or iterations derived from of this document. P. Anderson assumes no liability for anything you choose to do to your car, before, or after consulting or utilizing the content and information contained herein. Not intended for public use.



2012 - 2014 TL
3.7 SH-AWD

ATF EXCHANGE

Drain Plug Washer Prt#: 90471-PX4-000 | Fill Plug Washer Part#: 11107-PWA300 | ATF Fluid Prt#: 08200-9008

TIPS AND TOOLS

- ✓ Acura DW-1 ATF (4 US Qt.)
PART# 08200-9008
- ✓ Extra Long Funnel
- ✓ Torque Wrench
- ✓ 17 mm Socket (6 point)
- ✓ 24mm FillPlug "Crush" Washer
- ✓ 18mm DrainPlug "Crush" Washer
- ✓ Oil drain pan (at least 2 gal.)
- ✓ Hydraulic Car Jack
Jack Stands
- ✓ Oil Absorbant Mat
- ✓ Protective EyeWear
- ✓ Rubber Gloves

Be sure to follow all manufacturer safety and hazard precautions and protocol for waste disposal at all times to ensure this is done properly and safely.

DO NOT PROCEED WITHOUT CONSULTING MANUFACTURERS SAFETY GUIDELINES FOR REPAIR AND MAINTENANCE PROCEDURES FIRST.

- 1 Turn on engine and allow motor to run until both cooling fans come on. Then Turn Engine off. This ensures the fluid drains effortlessly.
- 2 Jack up car, and secure on jack stands or use Rhino Ramps safely.
- 3 Pop Hood remove plastic engine cover and locate ATF fill plug loosen the fill plug bolt.
- 4 Locate Filler bolt and remove bolt and washer clounter clock-wise. Clean bolt put new washer on bolt and set aside.
- 5 Locate drain plug bolt and drain fluid. Clean drain plug, install new "crush washer" onto drain plug while fluid drains.
- 6 Check to ensure all fluid has drained from transmission. If there is no more fluid draining continue to next step. Lower the car to ensure full drainage.
- 7 Install **DRAIN PLUG** bolt with torque settings (36 ft. lbs.)
- 8 Refill the transmission with 4 US qt. Acura DW-1 Automatic Transmission Fluid using the long funnel through the filler hole.
- 9 Install the new washer on the filler bolt and install the **FILL PLUG BOLT** with torque settings **33 ft. lbs. of torque.**
- 10 Remove Dipstick, wipe clean and re-insert and check level. Make sure the fluid level is between the upper and lower mark.
- 11 Turn on Car and lcyel through each gear waiting 10 seconds in each gear. Once all gears have been engaged, return to park and shut off car.
- 12 Check near drain plug for leaks.
- 13 Remove Dipstick, wipe clean and re-insert and check level. Make sure the fluid level is between the upper and lower mark.
- 14 Collect old oil into Transportable container for drop off at local auto parts store or oil recycle center in your area.

RELEASE/WAIVER: By use, distribution or dissemination of any information contained herein, you hereby expressly agree to indemnify and hold harmless its creator from and against any and all claims for personal injuries or damages of any kind arising from exacting and/or following the information and/or iterations derived from of this document. P. Anderson assumes no liability for anything you choose to do to your car, before, or after consulting or utilizing the content and information contained herein. Not intended for public use.



2012 - 2014 TL
3.7 SH-AWD

COOLANT CHANGE

2012 > Acura > TL SEDAN > Engine Coolant TYPE 2 > OL999-9011

TIPS AND TOOLS

- ✓ Engine Coolant (1.66 U.S. Gal.)
PART# OL999-9011
- ✓ Rubber Gloves (chemical Resist)
- ✓ Drain pan
- ✓ Funnel
- ✓ Paper Towels / Shop towels
- ✓ Protective Eyewear

TAKE EXTREME CAUTION WHEN WORKING WITH AUTO FLUIDS. HOT AUTO FLUIDS CAN RESULT IN SEVERE BURNS, INJURY OR DEATH

Be sure to follow all manufacturer safety and hazard precautions and protocol for waste disposal at all times to ensure this is done properly and safely.

DO NOT PROCEED WITHOUT CONSULTING MANUFACTURERS SAFETY GUIDELINES FOR REPAIR AND MAINTENANCE PROCEDURES FIRST.

- 1** Lift hood, engine should be cool to touch. locate Coolant reservoir and remove lid. Remove lip, lift reservoir up and out to drain all fluid from reservoir.
- 2** Locate radiator cap. Open slowly to help vent pressure. Set cap in a safe place.
- 3** Locate the petcock. Under the front of the car just next to the jack point in the center front. Its a white knob that turns counterclockwise to drain fluid at least 10min. (KEEP TRACK OF AMOUNT DRAINED).
- 4** Once all fluid is drained from the radiator, tighten the petcock to close it from draining anymore fluid by turning it clockwise.
- 5** Using PREMIXED Acura COOLANT pour mix into the radiator until full. Then also fill the reservoir to the full line. DO NOT install caps yet.
- 6** Locate hoses that connecting to and from COOLANT reservoir. Squeeze hoses as you move your hands along them burping the system freeing any trapped air. Turn on engine then repeat.
- 8** After burping the system ensuring all air is out, check COOLANT levels of reservoir and radiator. Install radiator and reservoir caps. Drive for 10min. Check levels and add coolant if needed.

RELEASE/WAIVER: By use, distribution or dissemination of any information contained herein, you hereby expressly agree to indemnify and hold harmless its creator from and against any and all claims for personal injuries or damages of any kind arising from exacting and/or following the information and/or iterations derived from of this document. P. Anderson assumes no liability for anything you choose to do to your car, before, or after consulting or utilizing the content and information contained herein. Not intended for public use.



2012 - 2014 TL
3.7 SH-AWD

FRONT BRAKES

2012 > Acura > TL SEDAN > FRONT Brake > 45022-SJC-A02

TIPS AND TOOLS

- ✓ Hydraulic Car Jack
- ✓ Torque Wrench, 17mm, 13mm
- ✓ Jack Stands
- ✓ Breaker bar
- ✓ Front Brake Pad Set
PART# 45022-SJC-A02
- ✓ Front Brakes Shims
- ✓ Brake Shim Grease / Lube
- ✓ Wheel Lock key
- ✓ Paper Towels / Shop towels
- ✓ Rubber Gloves
- ✓ Dual Piston Compression Gun

Never breath in brake dust particles!
ALWAYS use liquid to clean dust away.

Be sure to follow all manufacturer safety and hazard precautions and protocol for waste disposal at all times to ensure this is done properly and safely.

DO NOT PROCEED WITHOUT CONSULTING MANUFACTURERS SAFETY GUIDELINES FOR REPAIR AND MAINTENANCE PROCEDURES FIRST.

1 Place towels around master cylinder, if at max mark, remove some fluid.

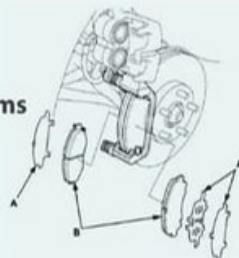
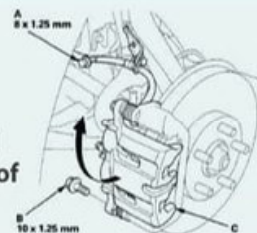
2 Raise and support vehicle.

3 Remove wheels.

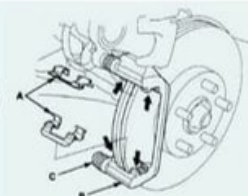
4 Remove brake hose bracket bolt (A) using 13mm socket

5 Remove flange bolt (B) using 17mm socket and pivot caliper (C) up out of the way. Secure Caliper in position.

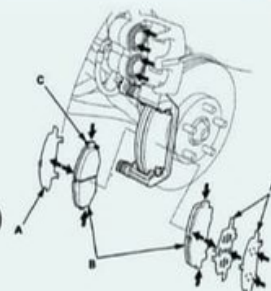
6 Remove (A) pads shims and (B) brake pads.



7 Remove retainer clips (A) and clean off dust and debris from caliper brack (B) and check bushings and slide pins (C).



8 Compress Caliper Pistons. Apply a thin coat of lube :
• Between pads/shims
(NOT ON SURFACE THAT CONTACTS ROTOR)
• Contact points (see Arrows)



10 Install retainer clips correctly. Install brake pads Correctly: pad shims with wear indicator on the upper, inside position (C).

11 Pivot Caliper body down. Install brake hose bracket 13mm bolt using 16ft.lbs. Install Caliper guide 17mm bolt using 53ft. lbs Clean mating surfaces of Pads and Brake Disk.

12 Pump brakes 5-7 times. Start engine and test drive slowly.

RELEASE/WAIVER: By use, distribution or dissemination of any information contained herein, you hereby expressly agree to indemnify and hold harmless its creator from and against any and all claims for personal injuries or damages of any kind arising from exacting and/or following the information and/or iterations derived from of this document. P. Anderson assumes no liability for anything you choose to do to your car, before, or after consulting or utilizing the content and information contained herein. Not intended for public use.



2012 - 2014 TL
3.7 SH-AWD

FRONTBUMPER REMOVAL/INSTALLATION

TIPS AND TOOLS

- ✓ Phillips Screwdriver
- ✓ Gloves
- ✓ KTC Trim Toll Set (SOJATP2014)
- ✓ 10 mm Socket (6 point)
- ✓ Protective EyeWear
- ✓ Blanket or Large cloth to sit bumper on
- ✓ Kneeling Pad

Be sure to follow all manufacturer safety and hazard precautions and protocol for waste disposal at all times to ensure this is done properly and safely.

DO NOT PROCEED WITHOUT CONSULTING MANUFACTURERS SAFETY GUIDELINES FOR REPAIR AND MAINTENANCE PROCEDURES FIRST.

1 Remove engine compartment cover

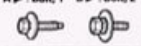
2 Disconnect the outside temperature sensor connector from under the front bumper(A).



Remove Front strakes (driveway scrape guards) BOTH SIDES

3

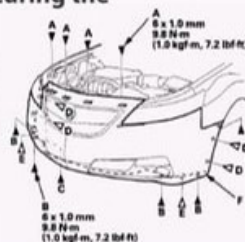
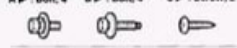
Fastener Locations
A ▶ Bolt, 1 B ▶ Bolt, 2



Remove the bolts (A, B), the screws (C), and the clips (D, E) securing the front bumper (F)

4

Fastener Locations
A ▶ Bolt, 4 B ▶ Bolt, 4 C ▶ Screw, 2

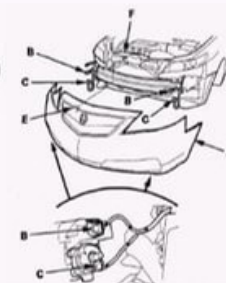
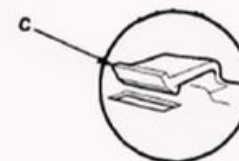


5 Pull out the front bumper (A) at the wheel arch areas to release it from the hooks (B) on the side spacers (C).



Hold up the bumper(A), the front turn signals (B) Fog light connectors (C)

6



7 Once connectors are released, pull bumper away and set aside on blanket or coth.

Reinstall bumper in revsre order and note these items:

8

- If the clips are damaged, replace them.
- Make sure that each connector is plugged in properly.
- Make sure front bumper engages the hooks on the upper beam and side spacers.
- Push clips and hooks into place securely.