

Learning Module Script
Video Supplement - Service Bulletin 97-023
Acura 2.5/3.2TL
Window Noise During Operation

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1 - TO BE SHOT OR SCANNED:
CUs, Service Bulletins

Montage - Window check &
adjustment points (*from existing
footage*)

NARRATOR (V.O.):

ACURA SERVICE BULLETIN ADDRESSED REPAIRS TO THE 2.5/3.2TL WINDOWS. TO COMPLETE THE REPAIRS IN BOTH BULLETINS, YOU ARE REQUIRED TO USE FIVE SPECIAL TOOLS TO GAUGE THE ADJUSTMENT OF THE WINDOWS. AFTER CHECKING THE ADJUSTMENT OF THE WINDOW, YOU MAY NEED TO PERFORM ADJUSTMENTS IF THE CLEARANCES ARE NOT WITHIN SPECIFICATIONS. CORRECT ADJUSTMENTS WILL HELP ENSURE THAT THE WINDOW OPERATES QUIETLY AND AT A CONTINUOUS SPEED, AND DOES NOT CAUSE WIND NOISE.

2 - (*same as shot 6 in full-length script, but with last bullet point changed*)

CGI:

Objectives:

- **Identify front & rear window operation parts**
- **Identify window adjustment points**
- **Perform window repairs using 5 special tools**

AFTER WATCHING THIS VIDEO AND COMPLETING THE MODULE, YOU'LL BE ABLE TO IDENTIFY THE FRONT AND REAR WINDOW OPERATION PARTS -- IDENTIFY THE WINDOWS' ADJUSTMENT POINTS -- AND PERFORM WINDOW ADJUSTMENTS USING THE FIVE SPECIAL TOOLS.

3 - (*same as scene 9 in full-length script*)

CUs (Scan & Insert) - Drawings of parts from Service Manual, pages 20-2, 20-3, 20-13, 20-14:

Regulator	Sash
Motor	Stopper Plates
Glass Guide	Roller Guide
Stabilizers	Glass

SECTION 20 OF THE SERVICE MANUAL SHOWS THE KEY PARTS OF THE FRONT AND REAR DOORS. YOU SHOULD BE FAMILIAR WITH THESE PARTS BEFORE STARTING THE REPAIR. THEY INCLUDE THE REGULATOR AND MOTOR -- GLASS GUIDE -- FRONT SASH -- STOPPER PLATES -- ROLLER GUIDE -- THE GLASS AND GLASS STABILIZERS.

4 - (same as scene 10 in full-length script)

Video box, special tools (group shot of all 5 tools) and Service Bulletin displayed on work bench

CGI (Name labels):

Front glass stabilizers

Rear glass stabilizers

Front window sashes

Special tools

5 - (same as scene 13 in full-length script, but cut after outside mirror is removed)

CGI: **Front Window Repair**

Glass Stabilizer Replacement

Brief montage of various steps -

Technician removes:

- Door panel
- Plastic rain protector (Cuts adhesive with razor)
- Cover panel
- Outside mirror

6 - (same as scene 20 from full-length script)

CGI: **Glass Alignment Inspection & Adjustment**

Brief montage of technician removing weatherstrip

7 - (scenes 7-15 are same as scenes 21-29 from full-length script)

Technician at work bench, reads service bulletin, picks up special tools and moves to car

CGI: **Adjustment procedures supersede Service Manual**

YOUR DEALERSHIP RECEIVED A CONTAINER WITH SERVICE BULLETIN 97-023, A VIDEOTAPE SHOWING A REPAIR PROCEDURE AND ADJUSTMENTS SIMILAR TO THE ONES PICTURED IN THIS VIDEO, AND A PACKAGE OF FIVE SPECIAL TOOLS. THESE TOOLS ARE ONLY AVAILABLE AS A SET, SO BE CAREFUL NOT TO LOSE ANY OF THEM.

TO PERFORM THE WINDOW CLEARANCE CHECKS AND ADJUSTMENTS, YOU MUST FIRST REMOVE THE DOOR PANEL, PARTIALLY PEEL BACK THE RAIN PROTECTOR, AND REMOVE THE COVER PANEL AND OUTSIDE MIRROR.

YOU MUST FIRST REMOVE THE WEATHERSTRIP BEFORE THE FIVE SPECIAL TOOLS CAN BE INSTALLED. THE TL YOU WILL WORK ON ALREADY HAS THESE PARTS REMOVED.

IN THE NEXT SERIES OF STEPS, YOU'LL BE INSTALLING THE SPECIAL GLASS ALIGNMENT TOOLS, CHECKING THE ALIGNMENT, AND MAKING ANY NEEDED ADJUSTMENTS.

NOTE THAT THE ADJUSTMENT PROCEDURES SHOWN HERE SUPERSEDE THOSE PICTURED IN THE TL SERVICE MANUAL. YOU'LL BE CHECKING THE ALIGNMENT IN THREE DIMENSIONS -- UP AND DOWN, FORE AND AFT, PLUS IN AND OUT, OR CAMBER.

8 - Side view of car, showing tools installed in their proper positions

CGI: Numbers & arrows showing grommet & Tool 1,2,4 & 5 locations. Number 3 & arrow shows tool 3 location. (Refer to illustration for step 20, Service Bulletin)

CU - Tool 3 installed, with arrow pointing forward

9 - CGI: Height Inspection & Adjustment - Tool 1

ECU - Technician checks clearance at Tool 1 with feeler gauge.

CGI: Arrows & numbers show acceptable clearance range, 0.5-2.5mm (Refer to illustration, step 22, Service Bulletin)

10 - Technician adjusts clearances by:

- Lowering window slightly
- Marking position of glass mounting bolts on regulator
- Loosening glass mounting bolts (CGI: Arrows show location of bolts [Refer to illustration, step 23, Service Bulletin])
- Adjusting glass
- Tightening glass mounting bolts

Technician raises window, re-checks clearance with feeler gauge

11 - Technician loosens & adjusts glass stopper plates

CGI: Arrows show location of plates [Refer to illustration, step 23, Service Bulletin])

CU - angle showing stopper plates contacting glass when raised

FIRST, INSTALL THE TOOLS ALONG THE DOOR OPENINGS. TOOLS ONE AND TWO SHOULD BE POSITIONED RIGHT IN FRONT OF THE GROMMETS. TOOL THREE SHOULD BE SECURED TO THE B PILLAR USING THE CENTER PILLAR RETAINING SCREWS. TOOL THREE ALSO HAS AN ARROW THAT SHOULD POINT FORWARD WHEN INSTALLED.

WITH THE POWER WINDOW SWITCH CONNECTED AND THE FRONT WINDOW ALL THE WAY UP, CHECK THE GLASS HEIGHT AND POSITION AT TOOL ONE. THE CLEARANCE BETWEEN THE EDGE OF THE GLASS AND THE TOOL SHOULD BE BETWEEN 0.5 AND 2.5 MILLIMETERS.

IF THE CLEARANCE IS OUTSIDE OF THIS RANGE, THE FOLLOWING STEPS WILL ADJUST IT. LOWER THE WINDOW SLIGHTLY BY JUST BUMPING THE SWITCH. MARK THE POSITION OF THE GLASS MOUNTING BOLTS ON THE REGULATOR. LOOSEN THE GLASS MOUNTING BOLTS -- ADJUST THE GLASS -- THEN TIGHTEN THE BOLTS. FINALLY, RAISE THE WINDOW AND RE-CHECK THE CLEARANCE AT TOOL ONE.

IF YOU CAN'T ADJUST THE GLASS TO THE PROPER HEIGHT WITH THE GLASS MOUNTING BOLTS, LOWER THE WINDOW SLIGHTLY, THEN LOOSEN AND ADJUST THE GLASS STOPPER PLATES. WHEN YOU'RE FINISHED, MAKE SURE BOTH STOPPER PLATES ARE IN CONTACT WITH THE GLASS AT THE SAME TIME WHEN IT'S RAISED.