

1983 BMW 528e

Complete Repair & Maintenance History

Compiled from photographed repair invoices and receipts · 1983–2024

Vehicle Information

Make / Model	1983 BMW 528e (a few later invoices list “1984” -- likely a clerical variance; VIN is consistent throughout)
VIN	7959212 (full VIN on one invoice: WBADK7305D7959212)
License Plates	2107 / TW919 / BMDBL4A / CTW919 (1983–84, Forsyth era) • XVH2155 / NC-XVH2155 (2010s onward)
Early Owner(s)	J. “Joe” Johnson / P. Johnson / Joan Johnson / Randall Yow (Mt. Airy, NC / Burlington, NC) — 1983–1984
Later Owner	Catherine Campbell (Raleigh, NC) — records from 2000 onward
Mileage Span	2,910 mi (1983) to 221,400 mi (2024) — approx. 218,500 miles of documented use across 41 years

■ Notable Undocumented Repair — Engine Rebuild (Timing Chain Failure)

Per the owner’s account (no invoice photograph exists for this event), the engine suffered an interference timing chain failure at an undetermined point in the car’s history, causing the timing chain to skip or break while the engine was running. Because the M20 is an interference engine, this caused the pistons to contact the open valves, resulting in significant internal damage. The repair was effectively a full engine rebuild. Based on the nature of this failure, the following work would typically be required and is assumed to have been performed: replacement of bent/damaged intake and exhaust valves, inspection and likely replacement of pistons and connecting rods showing contact damage, resurfacing (or replacement) of the cylinder head, a new head gasket and full gasket set, replacement of rod and main bearings if spun or damaged, a new timing chain, tensioner, and guides, and very likely a new or rebuilt DME given the scope of the failure. **Exact date, mileage, shop, and cost are unknown** and this repair is **not included in any dollar totals in this report**, since no supporting invoice has been located. If a receipt for this repair surfaces, it should be added to the chronological log below in its correct position and the totals recalculated.

Notes & Data Caveats

- Several older, handwritten invoices have smudged, torn, or faded totals. These are marked “(provisional)” below and are estimates built from legible line items rather than a confirmed printed total.
- The 6/7/84 invoice date was initially ambiguous; cross-referencing mileage and repeated line items (antenna, rear emblem) confirms the “oil & filter / 7,500-mile service” ticket and the “diagnostic / parts-ordered” ticket are from the **same visit**, just written on two separate tickets.
- A ticket originally read as “April 2013” has been confirmed by a clearer photo to actually read **April 30, 2015** — corrected below.

- A ticket originally logged as 10/18/2011 has been confirmed by a clearer photo to actually read **10/18/2010** — corrected below. This resolves an earlier mileage/date inconsistency.
- The 7/26/2011 clutch master cylinder invoice total has been corrected from \$381.22 to **\$331.22** after a clearer photo confirmed the printed figure.
- The 7/14/2006 and 8/12/2008 invoice totals, previously provisional/unclear, have been confirmed by clearer photos as **\$186.58** and **\$568.32** respectively — corrected below.
- Two visits (6/7/84 diagnostic ticket, 7/30/84 warranty ticket) show no customer charge and are not included in the dollar totals.
- The 7/3/83 Froelich Cadillac invoice remains genuinely provisional; the labor and tax portion of that ticket could not be fully confirmed even after review.

Full Chronological Repair Log

1. July 3, 1983 — Froelich Cadillac Company, Winston-Salem, NC

R.O. #3234 | Mileage: 2,910 | Customer: Randall Yow / Joe Johnson

Work: 1,200-mile service; repaired headlights by replacing turn signal switch (cutting out on high beams/left turn).

Parts: \$36.42 (filter, O-ring, turn signal switch) · Gas/Oil/Grease: \$15.00 · Labor-Body: ~\$5.30 (est.) · Tax: ~\$3.24 (est.)

TOTAL: \$51.42 (provisional – labor/tax portion unclear on original)

2. January 18, 1984 — Froelich Cadillac Company, Winston-Salem, NC

R.O. #32993 | Mileage: 5,017 | Customer: Joe Johnson, Mt. Airy, NC

Work: Oil service; replaced turn signal relay; adjusted belt tension; checked engine surge when headlights turned off.

Parts: \$81.53 · Labor: \$22.50 · Gas/Oil/Grease: \$9.00 · Tax: \$3.41

TOTAL: \$101.78 (confirmed)

3. June 7, 1984 — Forsyth AMC/Jeep/Renault, Winston-Salem, NC

Mileage: 9,920 | Customer: Joe Johnson, P.O. Box 111, Mt. Airy, NC

Work: Oil & filter only; 7,500-mile service.

Note: "Emblem coming off rear, see P/O" (parts on order, not repaired this visit)

Parts: \$5.66 · Labor: \$45.00 · Gas/Oil/Grease: \$12.00 · Tax: \$0.79

TOTAL: \$63.45 (paid cash)

4. June 7, 1984 (same visit) — Forsyth AMC/Jeep/Renault

Invoice #901 | Mileage: 9,920

Work: Diagnostic / parts-order ticket noting: antenna doesn't work (P/O), boot split on shifter (P/O), A/C stalls when on (P/O), emblem on rear off (P/O).

TOTAL: \$0.00 (no charge – diagnostic / parts-ordered only)

5. July 3, 1984 — Forsyth BMW, Winston-Salem, NC

Invoice #2451 | Mileage: 10,714 | Customer: P. Johnson, Burlington, NC

Work: R&R trunk liner, replaced antenna (power); replaced emblem on deck lid; replaced idle control valve; checked brakes/rotors (P/O); replaced gear shift boot; authorized 5 new tires (mount + balance) plus bushings.

Parts: \$731.15 · Labor: \$27.00

TOTAL: \$758.15 (provisional – built from line items; summary box blank/illegible)

6. July 26, 1984 — Forsyth BMW, Winston-Salem, NC

Mileage: 11,618 | Customer: Joe Johnson, Mt. Airy, NC

Work: State Inspection only.

Labor: \$3.65 · Sticker: \$0.60

TOTAL: \$4.25 (cash – confirmed)

7. July 30, 1984 — Forsyth BMW, Winston-Salem, NC (Warranty Visit)

Invoice #2810 | Mileage: 11,731 | Customer: Joan Johnson, Mt. Airy, NC

Work: Replaced gear shift boot; A/C not cooling well; difficult to start when cold; replaced cap ends on headlight & fog light switches. Marked "WARRANTY."

Parts: \$44.82

TOTAL: \$0.00 to customer (covered under warranty)

8. August 28, 2000 — Automotive Services, Raleigh, NC

Invoice #1 | Mileage: 168,557 (odometer noted inoperative) | Customer: Catherine Campbell

Work: Replaced clutch assembly, shifter shaft seal, transmission rear seal, shifter frame supports & transmission supports; topped off diff; changed transmission oil (synthetic). Changed oil & filter; checked timing; cleaned plugs; repaired vacuum leak; set fuel injection CO level; tested oxygen sensor; changed fuel filter; cleaned air filter; road test. R&R A/C console to replace A/C blower; evacuated system & recharged to spec. Repaired cruise control (replaced clutch safety switch).

Note: Future needs identified: steering idler arm, front brake rotors, oxygen sensor.

Labor: 15 hrs @ \$48/hr = \$720.00 · Parts: \$562.64 · Tax (6%): \$33.76

TOTAL: \$1,316.40 (confirmed)

9. October 25, 2004 — Automotive Services, Raleigh, NC

Mileage: 168,557 (odometer inoperative – same reading as 2000 visit)

Issue: Cannot start or shut off car with ignition switch; switch feels limp.

Work: Created patch repair for broken plastic tab locating electrical portion of switch to mechanical portion; repaired operation of left brake lamp; checked for exhaust leak, repaired oxygen sensor; corrected tire pressures.

Parts: \$7.50 (bulb holder, 1156 bulb) · Labor: \$100.00 · Tax: \$0.53

TOTAL: \$108.03 (confirmed)

10. November 1, 2004 — Automotive Services, Raleigh, NC

Mileage: not recorded

Issue: Car won't start.

Work: Replaced defective ignition switch.

Parts: \$62.45 (E28 ignition switch) · Labor: \$50.00

TOTAL: \$121.19 (printed total – a small ~\$4 gap vs. line items could not be reconciled)

11. June 15, 2005 — Automotive Services, Raleigh, NC

Mileage: not recorded ("out for repair") | Vehicle: 1983 528e, gray

Work: A/C circuit blowing fuses intermittently — cleaned/tightened contacts. Replaced mount plate for light switches. Replaced thermostat so motor runs at correct temp; adjusted fuel mixture & idle. Replaced rear springs, installed heavy duty shocks. Plugged nail hole in right front tire. Topped up all fluids. Removed speedometer for repair, installed loaner unit.

Note: Driveshaft overhaul estimated at ~\$450 (completed later, see Sept. 2005 entry); recommended fan shroud, \$40 (not done this visit).

Parts: \$332.50 · Labor: \$330.00 · Tax: \$23.28

TOTAL: \$685.78 (confirmed)

12. September 27, 2005 — Automotive Services, Raleigh, NC

Mileage: 168,570 | Vehicle: gray

Work: R&R instrument cluster to replace odometer gear set in speedometer unit; R&R driveshaft for complete overhaul; replaced exhaust rear section; replaced hood & trunk emblems; replaced both fog lamp bulbs & left lens.

Parts: \$336.60 · Labor: \$240.00 · Outside Repairs: \$312.50 · Freight: \$5.00 · Tax: \$23.56

TOTAL: \$917.66 (confirmed)

13. July 14, 2006 — Automotive Services, Raleigh, NC

Mileage: not clearly recorded

Work: Replaced top radiator hose; replaced fan clutch; repaired washer spray outlets.

Parts: \$118.30 · Labor: \$60.00

✖ **CORRECTED ENTRY**

TOTAL: \$186.58 (corrected from earlier provisional estimate of \$178.30 after clearer photo)

14. July 31, 2008 (approx.) — Automotive Services, Raleigh, NC

Mileage: 185,755 | Vehicle: gray

Work: Checked for oil leak; replaced defective oil pressure switch; road test. Replaced front brake pads; replaced broken right sway bar link. Replaced antenna unit.

Note: *Noted, not repaired: rear tires bald; A/C compressor very noisy.*

Parts: \$177.33 · Labor: \$165.00

TOTAL: ~\$342.33 + tax (provisional – final total torn/smudged on original)

15. August 12, 2008 — Automotive Services, Raleigh, NC

Mileage: 185,875 | Vehicle: gray

Work: Replaced timing belt, tensioner, and water pump; replaced drive belts (steering, alternator, A/C); replaced worn distributor cap & rotor; adjusted valves and remounted oil cooler.

Parts: \$251.35 · Labor: \$300.00

✖ **CORRECTED ENTRY**

TOTAL: \$568.32 (corrected from earlier unclear estimate of ~\$491.35 after clearer photo confirmed labor was \$300, not \$240)

16. October 15, 2009 — Automotive Services, Raleigh, NC

Mileage: 186,800 | Vehicle: 1983 (5/83 build), gray

Issue: Car towed in — wouldn't start; reverted to starting normally after sitting at shop.

Work: Replaced original crankshaft position sensor; replaced main relay; replaced DME (engine management computer) with a good used unit; road test extensively; general check-over.

Parts: \$239.60 · Labor: \$175.00 · Tax: \$18.57

TOTAL: \$433.17 (confirmed)

17. March 11, 2010 — Automotive Services, Raleigh, NC

Mileage: 188,000 | Vehicle: 1983 528e, 5/83 build

Work: Replaced wiper motor with used unit; installed used heater blower.

Parts: \$80.00 (used wiper motor, wipers, bulb holders, bulbs, used heater blower N/C) · Labor: \$70.00 · Tax: \$6.20

TOTAL: \$156.20 (confirmed)

18. October 7, 2010 — Automotive Services, Raleigh, NC

Mileage: 190,315

Work: Changed oil & filter; general check-over; corrected all fluids/tires. Replaced rear brake pads; flushed and bled brake system.

Note: *Future needs noted: right half-axle torn boot at outer end (~\$180 est.); center vents don't open.*

Parts: \$82.25 (oil filter, oil, PBR Deluxe brake pads, supplies) · Labor: \$140.00 · Tax: \$6.37

TOTAL: \$228.62 (confirmed)

19. October 18, 2010 — Automotive Services, Raleigh, NC

Mileage: 191,450 | Customer: Catherine Campbell

Issue: Motor sometimes runs rough, poor idle.

Work: Trouble-shot motor management system; replaced fouled spark plugs; replaced defective NTC sensor at thermostat housing; adjusted fuel injection. Replaced both half-axle CV boots; adjusted/lubricated hood release mechanism. Replaced fuel sender with used unit; replaced rear window switch with used unit. Diagnosed intermittent battery drain.

Parts: \$196.70 · Labor: \$420.00 · Gas/Oil/Grease: \$20.00 · Tax: \$15.24

✖ **CORRECTED ENTRY**

TOTAL: \$651.94 (confirmed – date corrected from earlier logged 10/18/2011)

20. July 26, 2011 — Automotive Services, Raleigh, NC

Mileage: 193,585 | Vehicle: 1984 528e

Issue: Clutch will not release properly.

Work: Replaced clutch master cylinder; replaced weak bushing for accelerator linkage.

Parts: \$113.56 · Labor: \$210.00 · Tax: \$7.66

✖ **CORRECTED ENTRY**

TOTAL: \$331.22 (corrected from earlier misread total of \$381.22 after clearer photo)

21. February 8, 2013 — Automotive Services, Raleigh, NC

Mileage: 200,750 | Vehicle: 1984 528e

Work: Changed oil & filter; general check-over. Replaced worn left front interior door pull; lubricated lock mechanism; repaired vapor barrier. Replaced heater blower motor. R&R instrument cluster to replace S.I. board, temp gauge assembly, bulbs; checked speedometer/odometer accuracy. R&R left rear lamp assembly to clean out water, reseal, clean contacts, replace bulb & bulb holder.

Parts: \$506.00 · Labor: \$360.00 · Tax: \$34.16

TOTAL: \$900.16 (confirmed)

22. March 13, 2013 — Automotive Services, Raleigh, NC

Mileage: 200,994 | Vehicle: 1983 528e

Work: Cruise control inoperative — troubleshoot and repair; replaced clutch pedal switch; replaced bulbs at light switches; checked for coolant leak, replaced clamps at top and bypass hose.

Parts: \$18.74 · Labor: \$80.00 · Tax: \$1.26

TOTAL: \$100.00 (confirmed)

23. June 25, 2013 — Automotive Services, Raleigh, NC

Mileage: 202,444 | Vehicle: 1983 528e

Work: Checked for fan belt squeal; installed shorter alternator belt; replaced power steering hose; installed new fan shroud; remounted trunk tool kit.

Parts: \$49.80 · Labor: \$128.00 · Tax: \$3.36

TOTAL: \$173.16 (printed total – labor figure now confirmed as \$128.00)

24. April 29, 2014 — Automotive Services, Raleigh, NC

Mileage: 204,740 | Vehicle: 1983 (5/83 build)

Work: Changed oil & filter; general check-over; topped up fluids; checked tires; installed good used exhaust system from catalyst back.

Note: A handwritten thank-you note from "Dietrich" thanks the customer for 10 years of trusting the shop with the car's repairs.

Parts: \$140.50 · Labor: \$100.00 · Tax: \$9.48

TOTAL: \$249.98 (confirmed)

25. December 12, 2014 — Automotive Services, Raleigh, NC

Mileage: 206,675

Work: General check-over. Replaced intake boot, cleaned battery connections, replaced marginal battery. Replaced main relay; disabled defective cruise control. Replaced right inside door handle, repaired misc. interior trim. R&R instrument cluster to fix charge light bulb.

Parts: \$241.32 · Labor: 4.5 hrs @ \$80/hr = \$360.00 · Tax: \$16.29

TOTAL: \$617.61 (confirmed)

26. April 30, 2015 — Automotive Services, Raleigh, NC

Mileage: 209,200 | Vehicle: 1983 528e

Issue: Alternator belt is loose.

Work: R&R alternator to replace mount bushings.

Parts: \$10.00 (bushings x2) · Labor: \$80.00 · Tax: \$0.68

✖ **CORRECTED ENTRY**

TOTAL: \$90.68 (confirmed – date corrected from earlier logged “April 2013”)

27. June 11, 2015 — Automotive Services, Raleigh, NC

Mileage: 209,345 (confirmed by clearer photo)

Issue: Car difficult to start, especially in the morning/cold.

Work: Tested cold start system; replaced defective cold start valve; replaced idle valve hose, cleaned idle valve; replaced weak coolant vent hose from radiator to reservoir.

Parts: \$109.54 · Labor: 2.5 hrs @ \$80/hr = \$200.00 · Accessories: \$40.00

TOTAL: \$359.63 (matches printed shop total)

28. December 4, 2015 — SpeedDee Oil Change & Auto Service, Raleigh, NC

Mileage: 210,855

Work: State Safety Inspection sticker; light bulb replacement (#194).

Parts/Sticker: net \$10.84 · Labor: \$12.75

TOTAL: \$24.27 (tax \$0.68 – paid via Amex)

29. November 2, 2016 — SpeedDee Oil Change & Auto Service, Raleigh, NC

Mileage: 212,692

Work: State Safety Inspection sticker (less \$3 discount); full multi-point service.

Parts: \$0.85 · Labor: \$12.75 · Discount: -\$3.00

TOTAL: \$10.60 (paid cash)

30. November 22, 2017 — Automotive Services, Raleigh, NC

Mileage: 215,260

Issue: Car towed in, wouldn't start.

Work: Diagnosed and replaced defective crankshaft position sensor. Changed oil & filter; general check-over; patch-repaired catalytic converter heat shield. Replaced power window switches as needed. Replaced left low beam bulb and switches.

Parts: \$231.70 · Labor: 3.5 hrs @ \$84/hr = \$294.00 · Tax: \$38.11

TOTAL: \$563.81 (confirmed)

31. November 27, 2018 — Automax Auto Repair LLC, Raleigh, NC

Invoice #965 | Mileage: 216,215

Work: NC Safety Inspection.

Note: Recommendations not performed: torn wiper blades; rear brakes OK, recheck in 6 months; cabin and engine air filters dirty.

Labor: \$14.00 · Parts: \$0.00

TOTAL: \$14.00

32. December 20, 2018 — Automotive Services, Raleigh, NC

Mileage: 216,350

Work: Motor runs rough, won't idle — diagnosed fuel injection running very rich; replaced defective air flow meter with good used unit; replaced idle control valve with manual version. Replaced weak A/C switch. Replaced bulbs and wipers as needed.

Note: Car still runs slightly lean after all adjustments; oxygen sensor disabled; several exhaust leaks noted for future repair.

Parts: \$175.00 · Labor: 3 hrs @ \$90/hr = \$270.00 · Tax: \$32.26

TOTAL: \$477.26 (confirmed)

33. May 2019 — Automotive Services, Raleigh, NC

Invoice #0449897 | Mileage: 216,568

Work: Motor runs rough, very poor idle — corrected vacuum leaks. General check-over. A/C does not cool — diagnosed, replaced leaking condenser and related hoses, vacuum & pressure tested system, replaced leaking A/C compressor, charged system to spec (2.8 lb).

Note: Timing belt inspected — full teeth, good condition (installed 8/2008 at 186K miles).

Parts: \$391.50 · Labor: 7 hrs @ \$90/hr = \$630.00 · Tax: \$74.06

TOTAL: \$1,095.56 (confirmed)

34. October 1, 2020 — Automotive Services, Raleigh, NC

Invoice #0690236 | Mileage: 218,360

Work: Replaced weak battery. Checked for hard starting — tested multiple times over several days, no problem found; road test. General check-over. Improved headlamp aiming.

Parts: \$129.50 (90PS ACD battery, 600 CCA) · Labor: 0.75 hr @ \$90/hr = \$67.50 · Tax: \$14.28

TOTAL: \$211.28 (confirmed; core deposit \$88.72 credited on next visit)

35. October 26, 2020 — Automotive Services, Raleigh, NC

Invoice #0690248 | Mileage: 218,630

Work: Replaced weak low beam headlamps with Hella halogen H4 lamps; road test and aimed headlamps. Checked fluid levels — topped up motor, steering, transmission, differential, tires; adjusted alternator belt.

Parts: \$129.50 · Labor: 1 hr @ \$90/hr = \$90.00 · Deposit credited: -\$88.72 · Shipping: \$9.75 · Tax: \$15.91

TOTAL: \$156.44 (confirmed)

36. March 5, 2022 — Automotive Services, Raleigh, NC

Invoice #0759807 | Mileage: 219,062

Issue: Car towed in.

Work: Checked for fuel leak; replaced all fuel hoses under hood. Door locks fluttering up/down — R&R driver's door panel to lube and check mechanism. Brake light warning at check panel stays on — replaced module in trunk. Checked/corrected all fluids and tires.

Note: Last oil change here was Nov. 2017 at 215K miles.

Parts: \$50.00 · Labor: 2.5 hrs @ \$90/hr = \$225.00 · Tax: \$19.94

TOTAL: \$294.94 (confirmed)

37. February 27, 2023 — Automotive Services, Raleigh, NC

Invoice #0955371 | Mileage: 220,215

Issue: Brake pedal pressure very weak.

Work: Replaced brake master cylinder; flushed and bled system. Changed oil & filter; general check-over; inspected timing belt (good); spark plugs OK; cleaned air filter.

Note: Tires were new June 2008.

Parts: \$324.50 · Labor: 3.5 hrs @ \$90/hr = \$315.00 · Tax: \$46.36

TOTAL: \$685.86 (confirmed)

38. July 30, 2024 — Automotive Services, Raleigh, NC

Invoice #1173523 | Customer: Catherine Campbell

Work: Replaced 4-year-old battery.

Parts: \$156.25 (ACD H8GHRA Gold battery, 770 CCA) · Labor: \$20.00 · Tax: \$12.78

TOTAL: \$189.03 (confirmed)

39. October 15, 2024 — Automotive Services, Raleigh, NC

Invoice #1173542 | Mileage: 221,400 | Customer: Catherine Campbell

Work: General check-over for repair needs; checked all fluids, lights, tires; replaced wiper blades. Replaced timing belt and all associated parts as needed. Brake lights intermittently giving check panel warning — repaired, replaced contacts at lamp assemblies. Repaired mounting of rear door window glass, both sides. Cigarette lighter socket broken loose — replaced console section with good used unit. Windshield gasket shrunk, pulled away from body shell — injected sealant to prevent water leaks. Adjusted valves; cleaned and gapped spark plugs. Replaced clock bulb; replaced weak headlamp relay.

Parts: \$364.00 (timing belt kit, alt. belt, wipers, coolant temp switch, timing cover seal, used center console, antifreeze, misc., valve cover gasket, used headlamp relay)

TOTAL: \$1,784.64 (confirmed – 13 hrs @ \$100/hr labor + parts + tax)

Summary

A. Major Repairs & Replacements

Date	Shop	Description	Cost
7/3/84	Forsyth BMW	Antenna, idle valve, 5 new tires + mount/balance & bushings	\$758.15
8/28/00	Automotive Services	Clutch assembly, transmission rebuild, A/C blower motor, cruise control repair	\$1,316.40
6/15/05	Automotive Services	Rear springs & heavy-duty shocks, A/C repair, thermostat, speedometer	\$685.78
9/27/05	Automotive Services	Driveshaft overhaul, odometer gear set, exhaust, emblems, fog lamps	\$917.66
8/12/08	Automotive Services	Timing belt, tensioner & water pump, drive belts, distributor cap/rotor	\$568.32
10/15/09	Automotive Services	DME (engine computer), crank position sensor, main relay	\$433.17
10/18/10	Automotive Services	Spark plugs, CV boot kit (x2), water temp sensor, fuel sender & window switch	\$651.94
7/26/11	Automotive Services	Clutch master cylinder	\$331.22
2/8/13	Automotive Services	Heater blower motor & instrument cluster/conductor plate	\$900.16
12/12/14	Automotive Services	Intake boot, battery, main relay, door handle & trim	\$617.61
6/11/15	Automotive Services	Cold start valve, idle valve hose, coolant vent hose	\$359.63
11/22/17	Automotive Services	Crankshaft position sensor, catalytic converter heat shield	\$563.81
12/20/18	Automotive Services	Air flow meter & idle control valve	\$477.26
5/2019	Automotive Services	A/C condenser & compressor	\$1,095.56
2/27/23	Automotive Services	Brake master cylinder	\$685.86
10/15/24	Automotive Services	Timing belt & valve train service, electrical/trim repairs	\$1,784.64
?	Unknown (undocumented)	Engine rebuild after interference timing chain failure	not documented
		MAJOR REPAIRS SUBTOTAL (documented only)	\$12,147.17

B. Routine Maintenance & Minor Repairs (bunched by category)

Category	Detail	Cost
Inspections	State/safety inspections – 4 visits: 7/26/84, 12/4/15, 11/2/16, 11/27/18	\$53.12
Battery Replacements	Standalone battery swaps – 2 visits: 10/1/20, 7/30/24	\$400.31
No-Charge Visits	Diagnostic/warranty tickets, no customer charge – 2 visits: 6/7/84, 7/30/84	\$0.00
Other Routine & Minor Repairs	Oil changes, small sensors/switches, belts, hoses, minor electrical, ignition switch, small trim, bushings, etc. – 15 visits	\$2,424.80
	ROUTINE / MINOR SUBTOTAL	\$2,878.23

**GRAND TOTAL — all documented charges,
1983–2024**

\$15,025.40

*Figures marked "provisional" above are estimates built from legible line items on damaged/faded originals. The undocumented engine rebuild described on page 1 is **excluded** from this total since no invoice, date, or cost has been located for it. Only the 7/3/83 Froelich Cadillac invoice and the 7/31/2008 Automotive Services invoice remain provisional as of this revision.*