# The Analyzer

THE WISCONSIN VEHICLE INSPECTION PROGRAM

WIVIP HELP LINE
(866)623-8378

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## Top Story

### *Emissions waiver repair cost limit increases to $1,176—effective July 1, 2026*

The repair cost limit for all model year vehicles subject to emissions testing will increase to $1,176, effective July 1, 2026. This figure is adjusted annually by the DNR per NR 485.045.

Vehicles subject to emissions testing that continue to fail may be eligible for a cost waiver if actual costs of emissions related repairs exceed the repair cost limit. Only repairs that are related to the vehicle's cause of failure can be used to apply for a cost waiver. Costs covered by any warranty or costs to repair/replace emissions control equipment that has been removed, modified, or disconnected are excluded.

The owner must have emissions related repairs performed on the vehicle at a Recognized Repair Facility to qualify for waiver consideration. A list of Recognized Repair Facilities may be found at the Wisconsin Vehicle Inspection Program website.

*New seminar with Jeff Gahan announced for June 24th. See page 2 for details.*

**Inside this issue:**



***Don't forget to ask emission inspection and core business customers if they would like their registration renewed.***

## The Technician's Bench

# *Jeff Gahan leads quarterly seminar on June 24th*

### Phase 2 training session covers vehicle CAN diagnostic networks

Our next quarterly seminar will be held on Wednesday June 24th from 6:00 p.m. to 8:00 p.m. at MATC's Mequon Campus automotive center (5555 Highland Rd, Mequon, WI 53092).

Join us for a focused training session on vehicle CAN network diagnostic skills phase 2 training session for automotive technicians. Building on the fundamentals of CAN communication, this seminar focuses on complex network architectures, advanced fault diagnosis, and real-world troubleshooting techniques used in today's vehicles. Participants will explore gateway modules, multiple network configurations, high-speed and low-speed CAN systems, and the interaction between CAN and other vehicle communication protocols.

*Photo credit: Mike Daury*

The benefit of having the seminar at MATC's Mequon Campus is the ability to teach in a classroom setting but then be able to put that teaching into practice with live vehicles. Jeff allows time for each participant to get some hands-on experience with scan tools and vehicle diagnostics. These seminars are meant to enhance a technician's overall knowledge base, and all are welcome. The seminar is free to attend.

Please RSVP to WImanagement@opusinspection.com or call (262) 641-5217.

**If you need to order supplies or replacement stickers and you would prefer to email Opus, please send to**

**WImanagement@opusinspection.com.**

# The Inspector's Bay

## Have you heard about SAE J1979-2?

**SAE J1979-2** (often referred to as OBDonUDS) is the modern diagnostic standard that mandates the use of Unified Diagnostic Services (UDS) over Controller Area Networks (CAN) for reading emission-related vehicle data. It provides enhanced troubleshooting features compared to legacy OBD II (SAE J1979). ***See story on page 4.***

**SAE J1979-2 describes the communication between the vehicle's OBD systems and test equipment required by OBD regulations. On-Board Diagnostic (OBD) regulations require passenger cars and light-, medium-, and heavy-duty trucks to support a minimum set of diagnostic information to external (off-board) "generic" test equipment. This new communication began with some 2025 model year vehicles and will be in all 2027 and newer vehicles. Scan tools may need to be updated, to communicate with these vehicles.**

## OBDII Vehicles with J1979-2

| Model Year | Make | Model | Engine Size | Arb Eo Num | Protocol |
|---|---|---|---|---|---|
| 2026 | ACURA | ADX | 1.5 | A-023-0912 | J1979-2 |
| 2026 | ACURA | INTEGRA A-SPEC | 1.5 | A-023-0906 | J1979-2 |
| 2026 | ACURA | INTEGRA | 1.5 | A-023-0906 | J1979-2 |
| 2025 | ACURA | ADX 2WD/4WD | 1.5 | A-023-0891 | J1979-2 |
| 2027 | BMW | X1 M35i | 2 | A-008-0675 | J1979-2 |
| 2027 | BMW | X2 M35i | 2 | A-008-0675 | J1979-2 |
| 2027 | BMW | M235 xDrive Gran Coupe | 2 | A-008-0675 | J1979-2 |
| 2027 | BMW | M240i xDrive | 3 | A-008-0674 | J1979-2 |
| 2027 | BMW | M240i | 3 | A-008-0674 | J1979-2 |
| 2027 | BMW | M440i xDrive Gran Coupe | 3 | A-008-0674 | J1979-2 |
| 2027 | BMW | M440i Gran Coupe | 3 | A-008-0674 | J1979-2 |
| 2027 | BMW | 430i Gran Coupe | 2 | A-008-0673 | J1979-2 |
| 2027 | BMW | 430i xDrive Gran Coupe | 2 | A-008-0673 | J1979-2 |
| 2027 | BMW | X6 M60i xDrive | 4.4 | A-008-0670 | J1979-2 |
| 2027 | BMW | X7 M60i xDrive | 4.4 | A-008-0670 | J1979-2 |
| 2026 | BMW | X2 M35i | 2 | A-008-0662 | J1979-2 |
| 2026 | BMW | X1 M35i | 2 | A-008-0662 | J1979-2 |
| 2026 | BMW | M235 XDRIVE GRAN COUPE | 2 | A-008-0662 | J1979-2 |
| 2026 | BMW | X2 xDrive28i | 2 | A-008-0650-1 | J1979-2 |
| 2026 | BMW | X1 xDrive28i | 2 | A-008-0650-1 | J1979-2 |
| 2026 | BMW | 228 GRAN COUPE | 2 | A-008-0650-1 | J1979-2 |
| 2026 | BMW | 228 XDRIVE GRAN COUPE | 2 | A-008-0650-1 | J1979-2 |
| 2026 | BMW | X6 XDRIVE40I | 3 | A-008-0645-1 | J1979-2 |
| 2026 | BMW | X7 XDRIVE40I | 3 | A-008-0645-1 | J1979-2 |
| 2026 | BMW | 740I SEDAN | 3 | A-008-0645-1 | J1979-2 |
| 2026 | BMW | 740I XDRIVE SEDAN | 3 | A-008-0645-1 | J1979-2 |
| 2026 | BMW | X5 SDRIVE40I | 3 | A-008-0645-1 | J1979-2 |
| 2026 | BMW | X5 XDRIVE40I | 3 | A-008-0645-1 | J1979-2 |
| 2026 | Buick | Enclave | 2.5 | A-006-2494 | J1979-2 |
| 2026 | CADILLAC | ESCALADE V AWD | 6.2 | A-006-2515 | J1979-2 |
| 2026 | CADILLAC | ESCALADE 2WD/4WD | 6.2 | A-006-2503 | J1979-2 |
| 2026 | CHEVROLET | SILVERADO 4WD/4WD MUD TERRAIN TIRES/4WD ZR2 | 6.2 | A-006-2503 | J1979-2 |
| 2026 | CHEVROLET | SUBURBAN 2WD/4WD | 6.2 | A-006-2503 | J1979-2 |
| 2026 | CHEVROLET | TAHOE 2WD/4WD | 6.2 | A-006-2503 | J1979-2 |
| 2026 | CHEVROLET | SILVERADO 2WD/2WD CAB CHASSIS/4WD/4WD CAB CHASSIS/4WD MUD TERRAIN TIRES | 5.3 | A-006-2498 | J1979-2 |
| 2026 | CHEVROLET | SUBURBAN 2WD/4WD | 5.3 | A-006-2498 | J1979-2 |
| 2026 | CHEVROLET | TAHOE 2WD/4WD | 5.3 | A-006-2498 | J1979-2 |
| 2026 | Chevrolet | Traverse | 2.5 | A-006-2494 | J1979-2 |
| 2026 | Ford | 2.3L GTPFDI Bronco w/ GPF | 2.3 | A-010-2662 | J1979-2 |
| 2026 | Ford | Mustang GTD | 5.2 | A-010-2629 | J1979-2 |
| 2026 | Ford | GTPFDI HO FHEV Nautilus | 2 | A-010-2621 | J1979-2 |
| 2025 | Ford | BRONCO SPORT | 2 | A-010-2608 | J1979-2 |
| 2025 | Ford | MAVERICK | 2 | A-010-2608 | J1979-2 |
| 2025 | Ford | TRANSIT | 3.5 | A-010-2592 | J1979-2 |
| 2025 | Ford | TRANSIT | 3.5 | A-010-2589 | J1979-2 |
| 2025 | Ford | BRONCO SPORT | 2 | A-010-2570 | J1979-2 |
| 2025 | Ford | MAVERICK | 2 | A-010-2570 | J1979-2 |
| 2025 | Ford | MAVERICK LOBO | 2 | A-010-2570 | J1979-2 |
| 2025 | Ford | MAVERICK TREMOR | 2 | A-010-2570 | J1979-2 |
| 2025 | Ford | EXPEDITION 2WD/4WD | 3.5 | A-010-2566 | J1979-2 |
| 2025 | Ford | F150 PICKUP 2WD/4WD | 3.5 | A-010-2566 | J1979-2 |
| 2025 | Ford | F150 PICKUP TREMOR 4WD | 3.5 | A-010-2566 | J1979-2 |
| 2025 | Ford | F150 POLICE RESPONDER 4WD | 3.5 | A-010-2566 | J1979-2 |
| 2025 | Ford | F150 RAPTOR 4WD | 3.5 | A-010-2566 | J1979-2 |

*Continued on page 4.*

## The Inspector's Bay

# What to know about UDS and SAE J1979-2

**Unified Diagnostic Services (UDS) is an international diagnostic communication standard that defines how scan tools exchange requests and responses with vehicle electronic control units. It is replacing the long-standing OBD-II emissions diagnostic framework through SAE J1979-2, also known as OBDonUDS, which is already appearing in many 2025 model year vehicles and is expected to be fully implemented by 2027. The transition expands diagnostic capability by allowing far more data identifiers and longer diagnostic trouble codes while continuing to use existing vehicle communication networks such as CAN and CAN FD. For inspection and maintenance programs, the shift has practical implications: scan tools, testing devices, and program software will need to be validated for J1979-2 readiness.**

**Look for more stories about UDS and SAE J1979-2 in future editions of *The Analyzer*.**

*J1979-2 table continued from page 3.*

| | | | | |
|---|---|---|---|---|
| 2025 Ford | EXPLORER AWD/RWD | 2.3 | A-010-2540-1 | J1979-2 |
| 2026 GMC | SIERRA 4WD/4WD AT4X/4WD MUD TERRAIN TIRES | 6.2 | A-006-2503 | J1979-2 |
| 2026 GMC | YUKON 2WD/4WD | 6.2 | A-006-2503 | J1979-2 |
| 2026 GMC | YUKON XL 2WD/4WD | 6.2 | A-006-2503 | J1979-2 |
| 2026 GMC | SIERRA 2WD/2WD CAB CHASSIS/4WD/4WD CAB CHASSIS/4WD MUD TERRAIN TIRES | 5.3 | A-006-2498 | J1979-2 |
| 2026 GMC | YUKON 2WD/4WD | 5.3 | A-006-2498 | J1979-2 |
| 2026 GMC | YUKON XL 2WD/4WD | 5.3 | A-006-2498 | J1979-2 |
| 2026 GMC | Acadia | 2.5 | A-006-2494 | J1979-2 |
| 2026 Honda | PILOT AWD/ AWD TOURING/ELITE/BLACK/ AWD TRAILSPORT/ FWD | 3.5 | A-023-0914 | J1979-2 |
| 2026 Honda | Honda Prelude | 2 | A-023-0910 | J1979-2 |
| 2026 Honda | CR-V 1.5T 2WD/4WD | 1.5 | A-023-0897 | J1979-2 |
| 2026 Honda | HR-V 2WD/4WD | 2 | A-023-0896 | J1979-2 |
| 2026 Honda | CR-V HYBRID | 2 | A-023-0895-1 | J1979-2 |
| 2026 Honda | PASSPORT | 3.5 | A-023-0892 | J1979-2 |
| 2027 Kia | Kia Carnival (KA4 PE) HEV I4 1.6 T-GDI | 1.6 | A-314-0510 | J1979-2 |
| 2027 Kia | Telluride (LQ2) HEV - L4 2.5 TGDI | 2.5 | A-314-0509 | J1979-2 |
| 2026 Lexus | Lexus IS 350; IS 350 AWD | 3.5 | A-014-1289 | J1979-2 |
| 2025 LINCOLN | NAVIGATOR 4WD | 3.5 | A-010-2566 | J1979-2 |
| 2026 Mazda | CX-5 | 2.5 | A-016-0527 | J1979-2 |
| 2026 Mercedes-Benz AG | AMG E 53 HYBRID 4MATIC+ / (STATION WAGON) | 3 | A-003-0932 | J1979-2 |
| 2026 Mercedes-Benz AG | GLC 350 E 4MATIC WITH EQ HYBRID TECHNOLOGY | 2 | A-003-0925-1 | J1979-2 |
| 2026 Mercedes-Benz AG | GLE 450 E 4MATIC WITH EQ HYBRID TECHNOLOGY | 2 | A-003-0925-1 | J1979-2 |
| 2026 Mercedes-Benz AG | CLE 450 4MATIC (CONVERTIBLE)/(COUPE) | 3 | A-003-0922 | J1979-2 |
| 2026 Mercedes-Benz AG | E 450 4MATIC (SEDAN) | 3 | A-003-0922 | J1979-2 |
| 2026 Mercedes-Benz AG | E 450 4MATIC ALL-TERRAIN (STATION WAGON) | 3 | A-003-0922 | J1979-2 |
| 2026 Mercedes-Benz AG | S 500 4MATIC | 3 | A-003-0922 | J1979-2 |
| 2026 Mercedes-Benz AG | GLC 300 | 2 | A-003-0921 | J1979-2 |
| 2026 Mercedes-Benz AG | GLC 300 4MATIC / COUPE | 2 | A-003-0921 | J1979-2 |
| 2026 Mercedes-Benz AG | GLS 450 4MATIC | 3 | A-003-0910-1 | J1979-2 |
| 2026 Mercedes-Benz AG | AMG CLE 53 4MATIC+ (CONVERTIBLE) /(COUPE) | 3 | A-003-0910-1 | J1979-2 |
| 2026 Mercedes-Benz AG | AMG GLE 53 4MATIC+/COUPE | 3 | A-003-0910-1 | J1979-2 |
| 2026 Mercedes-Benz AG | GLE 450 4MATIC / COUPE | 3 | A-003-0910-1 | J1979-2 |
| 2026 MINI | JCW Countryman ALL4 | 2 | A-008-0662 | J1979-2 |
| 2026 MINI | Countryman S ALL4 | 2 | A-008-0650-1 | J1979-2 |
| 2026 MINI | JCW 2 DOOR /CONVERTIBLE | 2 | A-008-0650-1 | J1979-2 |
| 2026 Subaru | SUBARU FORESTER 2.5L (TM: CVT); SUBARU FORESTER WILDERNESS 2.5L (TM: CVT); | 2.5 | A-002-0270 | J1979-2 |
| 2026 Subaru | SUBARU OUTBACK 2.5L (TM: CVT) | 2.5 | A-002-0270 | J1979-2 |
| 2026 Subaru | SUBARU CROSSTREK 2.5L (TM: CVT); SUBARU CROSSTREK WILDERNESS 2.5L (TM: CVT) | 2.5 | A-002-0270 | J1979-2 |
| 2026 Subaru | SUBARU IMPREZA 2.5L (TM: CVT) | 2.5 | A-002-0270 | J1979-2 |
| 2026 Subaru | SUBARU OUTBACK 2.4L Turbo (TM: HT-CVT) *; SUBARU OUTBACK WILDERNESS 2.4L Turbo (TM: HT-CVT) | 2.4 | A-002-0268 | J1979-2 |
| 2027 Toyota | LAND CRUISER | 2.4 | A-014-1298 | J1979-2 |
| 2026 Toyota | RAV4 PHEV AWD(11kW) (ADV, XSE)/(7kW) (SE), (GR-S) | 2.5 | A-014-1297 | J1979-2 |
| 2026 Toyota | RAV4 HYBRID/AWD(LE,SE,XLE Grade) | 2.5 | A-014-1291 | J1979-2 |
| 2026 Toyota | RAV4 HYBRID AWD(XSE, LTD, ADV Grade) | 2.5 | A-014-1288 | J1979-2 |

*Updated March 2026

# Program News

## Benefits to becoming a Recognized Repair Facility with the Wisconsin Vehicle Inspection Program

Motorists in southeastern Wisconsin seek emissions related repairs for vehicles that cannot pass the emissions inspection, a biennial requirement for most vehicles to complete registration renewal or at the time a vehicle changes ownership.

A repair business achieves recognition if it has at least one technician with advanced emissions related training (see details below) and has completed the registration process with the Wisconsin Vehicle Inspection Program (WIVIP).

Repair facilities meeting recognition criteria can realize the following advantages:

- **Increased business**: Accurate repairs yield satisfied customers and word-of-mouth referrals from family and friends.
- **Free advertising**: Only a list of recognized repair facilities is provided to motorists at the time of the vehicle's failure or rejection. There is also a special section on the program website (https://www.wisconsinvip2.org/) that lists recognized repair facilities.
- **Increased credibility**: A recognized repair facility is one of a select group of repair facilities distinguished for having technicians with advanced emissions repair training.
- **Standing out**: Only DTC-related emissions repair work performed at a recognized repair facility is eligible for waiver consideration.

## How to become recognized

If your facility employs at least one technician with ASE L1 certification, or is a franchised new car dealership, it is one step away from becoming a recognized repair facility.

You may register your facility, free of charge, with the Wisconsin Vehicle Inspection Program (WIVIP) by completing the application (listed under Forms and Downloads on the program website).

Once recognized, your facility will appear on the WIVIP website, as well as on handouts to customers.

If you would like to become recognized, but need to be certified or recertify, you can find information regarding the ASE process at www.ase.com.

## Interested in joining the WIVIP team as a PIF?

**It's easy! Contact Bob Patzer**

**Phone:** (262) 282-5598

**Email:** Bob.Patzer@Opusinspection.com