

GX460

QUICK REFERENCE

2016–2021 • 1UR-FE 4.6L V8

Fluids • Torques • Intervals

AT-A-GLANCE

Engine oil	0W-20 • 7.8 L
Service every	5,000 mi / 6 mo
Major service	30k / 60k / 90k
Coolant first repl.	100,000 mi
Brake fluid	Every 30k
Tire pressure	See door jamb
Lug nut torque	76 ft-lbf

VEHICLE

VIN: _____
Year / Mileage: _____

Source: Lexus 2019 Warranty/Services Guide + GX460 Repair Manual RM27D0U

MONTHLY CHECKS (30 days)

- Engine oil (dipstick)
- Coolant level (reservoir)
- Brake fluid level
- Power steering fluid
- Battery (visual)
- Washer fluid
- Tire pressure (cold) — incl. spare
- Tires for damage / wear

AFTER OFF-ROAD (sand/mud/water)

- Axle shaft boots
- Ball joints + dust covers
- Brake lines + hoses
- Brake pads/rotors + parking brake
- Diff oil (front + rear)
- Engine air filter
- Chassis nuts/bolts
- Steering linkage + boots
- Transfer case oil
- Trans for leakage

SERVICE LIMITS — BRAKES

Item	New	Min
Front pad	11.3 mm	1.0 mm
Front rotor	32.0 mm	29.0 mm
Front runout (max)	—	0.05
Rear pad	10.0 mm	1.0 mm
Rear rotor	18.0 mm	16.0 mm
Rear runout (max)	—	0.20

Wear indicator squeal = replace pads now

SEVERE-DUTY TRIGGERS

Use severe schedule if you PRIMARILY:

- Drive on dirt/dusty roads
- Take repeated trips < 5 mi below 32 °F
- Idle/low-speed for long distances
- Tow, use a roof box, or run heavy loads
- Drive on salted roads

SEVERE-DUTY ADJUSTMENTS

Condition	Adds
Off-road / dusty	5k: inspect axle boots, ball joints, air filter, steering, lube DS. 30k: replace transfer oil.
Towing / heavy	5k: lube DS + re-torque chassis. 15k: replace front+rear diff. 30k: replace diffs + transfer. 60k: also ATF.
Road salt	5k: lube DS + re-torque chassis.
Short cold trips	Oil + filter every 5k / 6 mo.

DS = drive shaft

AXLE / HUB LIMITS

Item	Max
Front hub bearing play	0.05 mm
Front hub runout	0.08 mm
Rear axle shaft runout	1.50 mm
Rear axle flange runout	0.05 mm

CHARLOTTE, NC

Daily paved-road driving = NORMAL schedule.
Switch to severe only if towing, roof box, unpaved Forest Service roads, or salted winter mountain trips.

FLUIDS & CAPACITIES

ENGINE OIL — 1UR-FE

Service	Capacity
Drain + new filter	7.8 L (8.2 qt)
Drain only	7.4 L (7.8 qt)
Dry fill	9.4 L (9.9 qt)

Spec: 0W-20 ILSAC (5W-20 OK)

Filter: 04152-YZZA1 (cartridge)

COOLANT

Config	Capacity
No rear heater	13.7 L (14.5 qt)
With rear heater	15.4 L (16.3 qt)

Spec: Toyota SLLC (pink) — hybrid OAT

ATF — A760F

Service	Capacity
Drain + refill (pan)	3.0 L (3.2 qt)
Pan + drain plug	1.7 L (1.8 qt)
Dry fill	11.1 L (11.7 qt)

Spec: Toyota Genuine ATF WS only

No dipstick. Check via overflow plug @ 46–52 °C (115–126 °F).

DIFFERENTIALS • TRANSFER

Component	Capacity	Spec
Front diff	1.4 L	75W-85 GL-5
Rear diff	2.7 L	75W-85 GL-5
Transfer	1.4 L	75W (LF)

OTHER

Fluid	Capacity	Spec
Power steering	1.0 L	ATF DEX II/III
Brake fluid	Top to MAX	DOT 3 (or 4)

TORQUE SPECS

DRAIN / FILL PLUGS

Plug	N·m	ft·lbf
Engine oil drain	40	30
Oil filter cap	25	18
Front diff drain	65	48
Front diff fill	39	29
Rear diff drain	49	36
Rear diff fill	49	36
Transfer drain	37	27
Transfer fill	37	27
Trans drain	20	15
Trans overflow	20	15
Trans refill plug	39	29

Always use a NEW gasket / crush washer.

BRAKES

Fastener	N·m	ft·lbf
Front bleeder	11	8
Rear bleeder	11	8
Front caliper bolt	185	136
Rear caliper bracket	100	74
Rear caliper to brkt	88	65
Brake tube fitting	15	11

WHEELS / SUSPENSION

Fastener	N·m	ft·lbf
Wheel lug nut	103	76
Front axle hub	80	59
Front axle nut	235	173
Knuckle x upper arm	110	81
Knuckle x tie rod	91	67
Rear axle x housing	60	44

Lug nuts: torque cold, star pattern.

ENGINE / DRIVELINE

Fastener	N·m	ft·lbf
Spark plug	21	15
Transfer x trans	24	18
TC x drive plate	53	39

SERVICE INTERVALS

EVERY 5,000 mi / 6 mo

Inspect fluids • rotate tires • inspect brakes • inspect wipers

EVERY 10,000 mi / 12 mo

Replace engine oil + filter (0W-20)

EVERY 15,000 mi (15 / 45 / 75 / 105k)

Lube driveshaft + re-torque • Smart Key battery

Inspect: axle boots, ball joints, body, brake lines, coolant, exhaust, front+rear diff oil, R&P, steering, wipers

EVERY 30,000 mi (30 / 60 / 90 / 120k) ★

Engine oil + filter • Cabin air filter • Engine air filter • Brake fluid • Smart Key battery • Lube driveshaft

Inspect: rotor thickness + runout, fuel lines, fuel cap gasket, transfer oil, transmission for leaks (full list)

ADD AT 60,000 mi

Inspect drive belt (then every 30k)

AT 100,000 mi

Replace coolant (Toyota SLLC). Repeat every 50k after.

OUTSIDE THE OEM SCHEDULE

• Spark plugs: 60–100k (NGK ILZKAR7B11)

• ATF drain & refill: every 60k as insurance

• Diff oils: every 30k regardless of conditions

CRITICAL — ATF FILL PROCEDURE

1. Fill the 3 L through the refill plug.
2. Idle, cycle through gears.
3. Bring fluid to 46–52 °C (Techstream).
4. Crack overflow plug — should drip, not stream.
5. After ≥50% replacement: ATF Thermal Degradation Reset.