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## Quigley Nissan IFS 4x4 Warranty Operating Instructions, Maintenance Schedule & Warranty Registration

Dealer \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Model Year/Model \_\_\_\_\_  
 VIN # \_\_\_\_\_  
 QMCI Cert # \_\_\_\_\_  
 GVWR \_\_\_\_\_  
 Delivery Date \_\_\_\_\_  
 Mileage \_\_\_\_\_  
 QMCI WO # \_\_\_\_\_

**Authorization (#) Must Be Obtained From QMCI Before Repairs Are Made. Phone (800) 233-9358.** Failure to obtain this prior authorization will result in denial of reimbursement for the warranty claim.

### WARNING

- ⚠ Your Nissan NV van is considered a utility vehicle and as such utility vehicles have a higher Vertical Center of Gravity (Vcg) than that of a passenger car. Quigley’s standard IFS (Independent Front Suspension) 4x4 system does not raise the Nissan NV Vcg.
- ⚠ Vehicles with higher center of gravity have a higher rollover rate than other types of vehicles. As you add passengers and cargo your center of gravity will increase.
- ⚠ Higher center of gravity and 4 wheel drive vehicles handle differently than lower center of gravity vehicles. Utility and 4 wheel drive vehicles are not designed for cornering at speeds as high as passenger cars any more than low slung vehicles are designed to handle off-road conditions satisfactorily. Avoid sharp turns, excessive speeds and abrupt maneuvers in utility and 4 wheel drive vehicles. Failure to drive cautiously could result in an increased risk of loss of vehicle control, vehicle rollover, personal injury or death.
- ⚠ Unbelted passengers are significantly more likely to die than a person wearing a seat belt in a crash or rollover crash.
- ⚠ For safe operation of this vehicle please refer to your Nissan Owner’s / Operator’s Manual for all warnings and operation procedures.

**QMCI will provide and ship all 4 wheel drive warranty parts at normal FedEx / UPS rates.** Additional charges for overnight, or 2<sup>nd</sup> day, or special delivery will be the responsibility of the vehicle owner. Warranty repair claims must be completed and submitted to QMCI within 60 days of QMCI shipping parts or labor will not be reimbursed.

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**To validate this warranty:** The purchaser must complete the **WARRANTY REGISTRATION** page; including name, address, signature, date and mileage. The purchaser should keep one copy with this warranty packet and one copy must be returned to: Quigley Motor Company, Inc. at 100 Sunset Dr., Manchester, PA 17345, upon time and date of retail delivery. Or you can email or fax your signed warranty registration to [info@quigley4x4.com](mailto:info@quigley4x4.com) or (717) 266-6248.

## NISSAN LIMITED WARRANTY:

QUIGLEY MOTOR COMPANY, INC., designer and builder of "4 Wheel Drive" conversion system (hereinafter referred to as QMCI), warrants the standard 4x4 system to the original purchaser only and is not transferable. **This limited warranty shall be effective for a period of 36 months or 36,000 miles for all 4x4 installed components with a limited 5 year (60 month) or 100,000 miles warranty on select 4x4 powertrain components; whichever shall occur first and only when such labor and installation are performed at a QMCI authorized service center.** This warranty applies only to current model year and pre-owned vehicles with mileage less than 1,001 miles, replacement parts and repairs made necessary due to 4-wheel drive defects in materials or workmanship of any standard 4-wheel drive components or their attaching parts, during normal use of the vehicle. Optional equipment & accessories are not covered by QMCI warranty.

### **5 year (60 month) or 100,000 mile limited 4x4 Powertrain Components (For 2014 year and newer models):**

#### **1. Transfer Case Coverage Includes:**

Limited to all internally lubricated parts, case, mounts, seal and gaskets as well as any electrical components internal to the transfer case. Also covered are any actuators directly connected to the transfer case as well as encoder motor.

Transfer Case Exclusions: Excluded from the powertrain coverage are sensors, wiring, electrical connectors as well as the transfer case control module and/or module programming.

#### **2. Front Drive System Coverage Includes:**

Limited to all internally lubricated parts, final drive housings, axle shafts and bearings, constant velocity joints, propeller shafts and universal joints. All mounts, supports, seals, gaskets as well as any electrical components internal to the front drive axle. Also covered are any actuators directly connected to the front drive axle (i.e. front differential actuator, etc.).

Front Drive System Exclusions: Excluded from the powertrain coverage are sensors, wiring and electrical connectors related to front drive systems as well as any front drive system control module programming.

The warranty for all other parts of the automotive chassis and its original equipment components is the sole responsibility of the Nissan or After-market Company that alters or adds to the chassis.

QMCI will under certain conditions authorize repairs or replacement of the following components:

1. Front axle assembly or serviceable component of the front axle, (optional equipment not covered by QMCI).
2. Drive shaft assembly: any serviceable component of the drive shaft assembly; front and rear.
3. Front wheel hub / bearing assembly as supplied by QMCI.
4. Exhaust system, portions as supplied or modified by QMCI.
5. Shifter: Assembly or serviceable component thereof.
6. Transfer case assembly. Do not disassemble. QMCI warranty applies to complete transfer case assembly only.

All parts are to be returned to QMCI and subject to inspection by QMCI and or their SUPPLIERS. If parts are determined non-defective the owner is responsible for the parts and labor costs.

Service dealer will be reimbursed at published Service Labor Time Standards at a rate to be determined prior to service. Some repairs are not reimbursed completely. In these cases the owner is responsible for the difference between repair costs and the amount approved by QMCI.

When the owner is in an area where there is no "AUTHORIZED" dealer or service center within a reasonable distance, as determined by QMCI considering the nature of the service problem, service may be arranged at a mutually acceptable alternate service facility. If warranty work is performed at a service point other than authorized sales and service location, QMCI's authorization does not constitute approval or endorsement of the service facility, it's work, or any replacement components involved.

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**\*\*\*NOTICE: OPTIONAL EQUIPMENT CARRIES THE ORIGINAL MANUFACTURERS WARRANTY ONLY.\*\*\***

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Warranty pg 2 of 3

### **LIMITED WARRANTY EXCLUSIONS OR LIMITATIONS:**

QMCI will assume no liabilities for any personal injuries, repairs or damages, damages to the 4 Wheel Drive Conversion and its components derived or incurred through the following;

- Overloading the GVWR or any axle weight rating is considered abuse and not warranted.
- **Any wheels substituted for O.E.M. (original equipment mfg.) with an outward offset greater than ½" will void all Quigley axle and steering warranties!**
- Tires larger than OEM will adversely affect the braking and handling of the vehicle and may void warranty.
- **Brake pad noises are not warranted since that is inherent in the design of the disc brake components.**
- **Front-end alignment is a routine maintenance item and is not a warrantable expense**, unless, required by a warranty repair and only then if vehicle is equipped with O.E.M. (Nissan) wheels and tires.
- Conditions arising from abuse, negligence, overloading, accidents, collisions, modifications, lack of maintenance, alterations or improper repairs, defects in or substitution of equipment (including wheels and or tires) not supplied as part of our standard 4-Wheel Drive system, theft, vandalism, fire, flooding, racing or competitive driving, failure of a component not covered by warranty. Failure to operate the vehicle in accordance with the OWNER'S MANUAL,
- Repairs performed by anyone other than an pre-authorized Nissan dealer or Quigley Motor Co., Inc. pre-authorized service center. See **Authorization (#)** note below.
- QMCI assumes no responsibility for incidental or consequential damages arising from loss of use, inconvenience, loss of time, loss or damage to any personal property, loss of income, commercial loss, expense for alternate transportation, telephone, food lodging, or cost for bringing the vehicle to a service point.
- Parts and labor required in routine maintenance and wear are also excluded from this warranty and are the owner's responsibility. Examples are tires, tire rotation, wheel balancing, **wheel alignment, brake pads**, and lubrication and fluid levels.
- This warranty does not apply to vehicles purchased from U.S. or Canadian dealers, but registered / licensed for use in countries other than the U.S. or Canada Vehicles operated outside the U.S. may exchange defective parts only for a period of 12 months or 12,000 miles (whichever comes first). Any labor or shipping / handling charges associated with such exchanges become the responsibility of the owner.

Quigley Motor Company, Inc. hereby disclaims all other express or implied warranties of merchantability and use for a particular purpose, to the extent the laws of the State of sale and Federal laws allow. This warranty gives you specific legal rights and you may also have other rights under state laws. This is the only express warranty applicable to QMCI 4 wheel drive conversions. QMCI does not authorize any seller of our 4-wheel drive system to make any other representations or warranty beyond those listed herein.

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Warranty pg 3 of 3

# QUIGLEY MOTOR CO., INC - NISSAN VEHICLE OPERATING INSTRUCTIONS / IFS

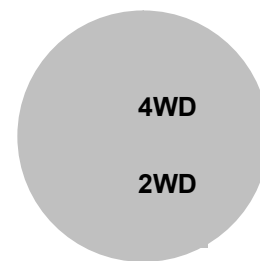
## QUADRA-VERSION FOUR-WHEEL DRIVE

Maximum traction made possible by selecting 4H of the transfer case. The transfer case electronically engages front differential, ensuring engine torque to all four wheels instead of just the two rear wheels.

TRANSFER CASE RANGE SELECTIONS (See Operating Instructions)

**4WD-WHEEL DRIVE POSITION**  
Power to front and rear axles at normal speed. (Shift Lever Upward)

**2WD-WHEEL DRIVE POSITION**  
Power to rear axle only.



## OPERATION

**CAUTION:** The vehicle should only be engaged in 4 Wheel Drive for off road operation or when road or weather conditions create poor traction. When you are operating the VAN on DRY roads keep the transfer case in 2H to prevent excessive tire wear and drive train damage.

### ENGAGING FOUR WHEEL DRIVE

**Front Axle Locking Feature** – The front axle locks and unlocks automatically when you shift the transfer case. A short delay for the axle to lock or unlock is normal. If road conditions provide good traction there may be a delay for the axle to unlock.

**Manual Transfer Case** – The transfer case shift lever mechanism is on the floor, to the right of the driver. Use this lever to shift into and out of four-wheel drive.

The four-wheel drive indicator light will come on after you shift into four-wheel drive and the front axle engages.

**2-Wheel High (2H):** This setting is for driving in most street and highway situations. Your front axle is not engaged in two-wheel drive.

**4-Wheel High (4H):** This setting engages your front axle for increased traction. Use 4H when you need extra traction, such as on wet or icy roads, or in most off-road situations. Shift lever in an upward direction to engage 4H position.

You can shift from 2-WHEEL HIGH (2H) to 4-WHEEL HIGH (4H) or from 4-WHEEL HIGH (4H) TO 2-WHEEL HIGH (2H) while the vehicle is in motion up to 55 mph. Do not shift into 4H while accelerating. In extremely cold weather, it may be necessary to stop or slow the vehicle to shift into 4-WHEEL HIGH (4H).

### RETURN TO TWO-WHEEL DRIVE

For best fuel economy, less tire wear and quietest operation, shift the transfer case to the two-wheel drive position (2H), when the need for 4- wheel drive is no longer required.

## QUIGLEY 4X4 ROUTINE MAINTENANCE GUIDE / IFS

VEHICLE APPLICATION .....QUIGLEY MOTOR CO., INC. IFS 4x4 SYSTEM LOCKING DIFFERENTIAL

MAINTENANCE .....FRONT DRIVE AXLE, TRANSFER CASE, DRIVE SHAFTS

NOTE: SEE OWNERS MANUAL FOR COMPLETE VEHICLE MAINTENANCE ON ALL OTHER SYSTEMS!!!

### NORMAL DRIVING SERVICE INTERVALS

### ROUTINE LUBRICATION MAINTENANCE

	Miles (Thousands)	5	10	15	20	25	30	35	40	45	50	55	60
	Kilometers (Thousands)	8	16	24	32	40	48	56	64	72	80	88	96
1	Lubricate driveshaft U-joints and slip-yoke if equipped with grease fittings	X	X	X	X	X	X	X	X	X	X	X	X
2	Check oil level & condition in front axle differential (75w-90)		X		X		X		X		X		X
3	Check oil level & condition in transfer case		X		X		X		X		X		X
4	Change transfer case oil (Dextron ATF)										X		
5	Refer to <b>Inspection Section</b> for other lubrication instructions												
6	<b>Special Operating Instructions:</b> When hubs & axles are submerged in water, maintenance schedules 1 - 5 should be performed A.S.A.P. For severe use (a.k.a. towing, mud, excessive dust, etc. maintenance schedules 1 - 5 should be performed more frequently).												

### ROUTINE INSPECTION MAINTENANCE

	Miles (Thousands)	5	10	15	20	25	30	35	40	45	50	55	60
	Kilometers (Thousands)	8	16	24	32	40	48	56	64	72	80	88	96
1	Inspect wheels and tires (see <b>Notice</b> below)	X	X	X	X	X	X	X	X	X	X	X	X
2	Inspect steering system		X		X		X		X		X		X
3	Inspect brake system		X		X		X		X		X		X

Perform at the distances shown

**NOTE: REPEAT MAINTENANCE SCHEDULE FOR EACH SUCCESSIVE 60,000 MILE INTERVAL**

#### NOTICE!

DRIVER – DEALER – OWNER  
CHECK WHEEL NUTS OR BOLTS

1. First trip – Check wheel nuts or bolts at start and 100 miles. Tighten to 140 Ft. Lbs. of torque. (14 mm-9/16")
2. After first trip – Check wheel nuts or bolts and tire pressure and tires periodically.
3. Following winter storage – before a trip, always check wheel nuts or bolts and tire pressure.
4. After changing or rotating tires refer to #1.
5. Alignment specifications; see attached specification sheet.



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**QUIGLEY NISSAN IFS 4X4  
 WARRANTY REGISTRATION  
 36 months / 36,000 miles  
 5 yr / 100,000 miles 4x4 Powertrain**

Check here if you would be interested in any future Quigley events.

Quigley build Date \_\_\_\_\_  
 In Service Date \_\_\_\_\_  
 Mileage \_\_\_\_\_

VIN # \_\_\_\_\_ QMCI Cert# \_\_\_\_\_

*Purchaser's Information*

Business Name \_\_\_\_\_  
 Full Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone # \_\_\_\_\_ Email \_\_\_\_\_  
 Selling Dealer \_\_\_\_\_

**Return of this information is required by Federal Law in order to comply with the Motor Vehicle Safety Act**, and required for any 4x4 warranty coverage by Quigley Motor Company.

By signing below you acknowledge that you have read and understand the the Quigley warranty and **warnings** listed. Upon receipt of this warranty registration, Quigley Motor Company, Inc. will forward to the purchaser a copy of the limited warranty and a complete parts list for this unit.

\_\_\_\_\_  
 Purchaser's signature

Customer keeps green copy of the warranty registration. Please fax the white copy to Quigley Motor Co. 717-266-6248, email to [info@quigley4x4.com](mailto:info@quigley4x4.com) or mail to:

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