



***can-am***  
motorcycles \*

**175** **T'NT O/R**  
**SUPPLEMENT**

**Operator  
Manual**

\*Trademark of Bombardier Limited



## FOREWORD

The Can-Am 175 T'NT O / R is based on what is considered to be one of the best 175 cc off-road machines in the world.

We have equipped this O / R (off-road) version of the 175 T'NT with all of the features most wanted by the serious off-road rider. Many enthusiasts / owners will want to further personalize their machines. We have included in this supplement some maintenance and modification ideas to help you enhance your enjoyment of this fine machine.

We wish you many miles of enjoyable riding.

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This supplement is prepared to provide any necessary information that may not be included in the actual operator manual. Should you have any questions that remain un-answered, please do not hesitate to contact your dealer or drop us a line:

Bombardier Limited  
Valcourt, Quebec, Canada  
Att'n: Customer relations (Can-Am)

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## INDEX:

1 — Vehicle identification . . . . .	2
2 — Supplementary maintenance . . . . .	2-3-4
3 — Enduro preparation tips . . . . .	4
4 — Pre-Enduro preparation checklist . . . . .	5
5 — Wiring diagram . . . . .	7
6 — Specifications . . . . .	8-9
7 — Warranty policy . . . . .	10

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### IMPORTANT NOTICE

**This vehicle is designed and manufactured for off-road use only and complies with applicable regulations. Operation on public roads may be illegal depending upon local regulations.**

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### SAFETY NOTICE

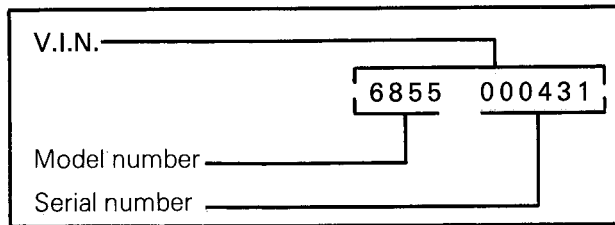
**This information is published to assist the mechanically oriented motorcyclist who has limited access to an authorized dealer, or prefers to perform his own servicing.**

**In either case, special tools must be used, where required, and good sense of safety is deemed necessary. If in doubt, contact your dealer for assistance.**

## 1. VEHICLE IDENTIFICATION:

The T'NT O / R is a new model type (5) and the vehicle identification number (V.I.N.) stamped onto the left side of the steering head, will appear as follows.

Example:



The engine has a 5 digit identification number stamped into the crankcase just over the swing arm pivot boss.

○ **NOTE:** Always quote the engine number when ordering engine parts.

◆ **WARNING:** All new can-Am motorcycles, including any models used in competition, must be registered with Bombardier Limited, to allow:

- Immediate contact for Safety Recalls, if required,
- Special warranty coverage notification,
- A free subscription to the can-Am News and other periodic publications, bulletins, etc...

## 2. SUPPLEMENTARY MAINTENANCE:

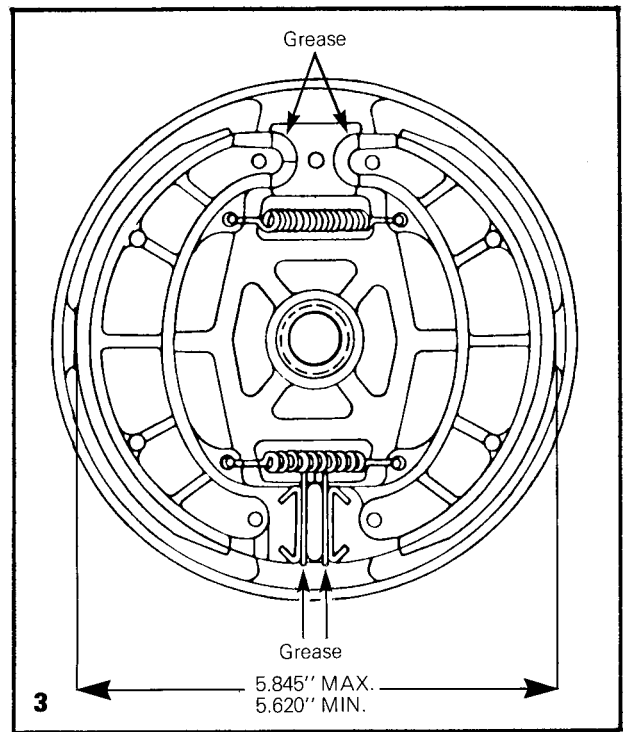
The following instructions apply to maintenance operations recommended in the Pre-Enduro Preparation Checklist, and should also be applied as per the maintenance schedule on page 7 of the Operator Manual.

### 1. BRAKE MAINTENANCE:

In trail riding and Enduro competition, the brakes may be subjected to some rather severe conditions, ie: water, sand, mud excessive heat, etc...

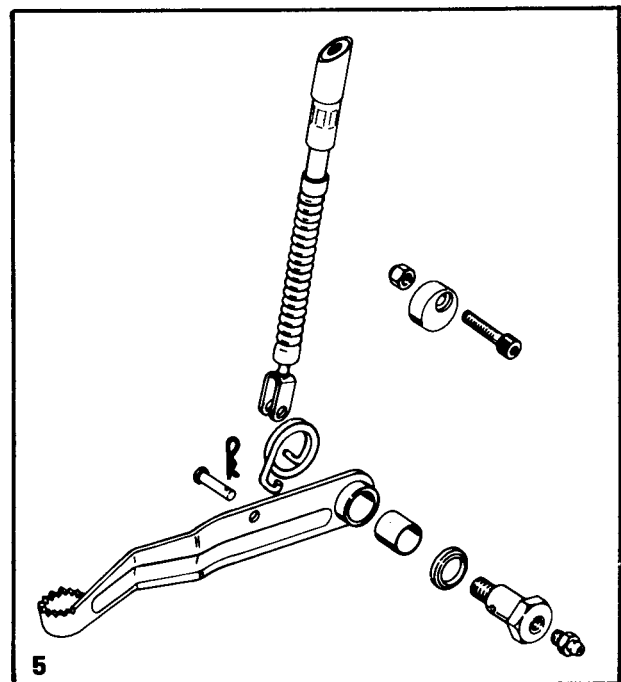
We therefore recommend that you frequently clean and service the front and rear brakes to keep them in good, safe working order.

- Remove the brake shoes from the brake plate, and clean them thoroughly with soapy water.
- Clean the brake plate and cam with a degreaser solvent.
- Inspect the brake linings and lightly grease the pivot and cam.



◆ **WARNING:** Brake lining limits are:  
 133.5 mm (5.845") maximum (when fitting new parts).  
 132.8 mm (5.620") minimum (linings must be replaced).

- Disassemble the brake pedal assembly, and clean it with a degreaser solvent.
- Reassemble the brake pedal assembly with a light smear of grease on the pivot shaft.



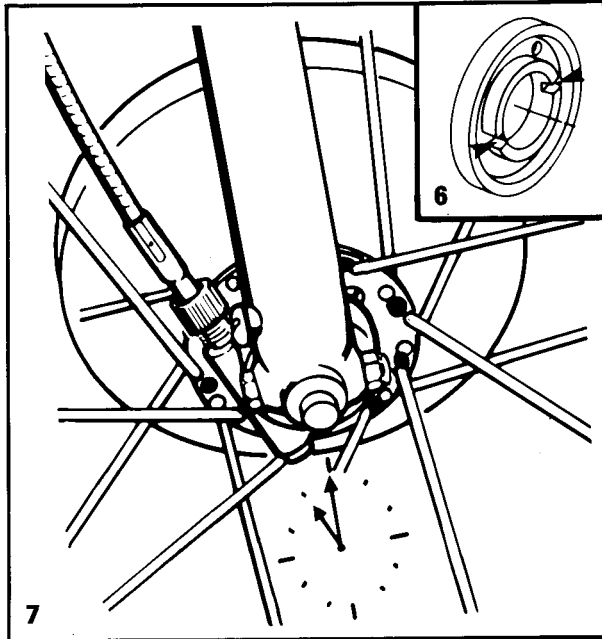
◆ **WARNING:** Always use a new cotter pin when installing brake cable.

6. Install the brake plate and the speedo drive.

▼ **CAUTION:** Be sure speedo drive lugs fit into channels of drive flange.

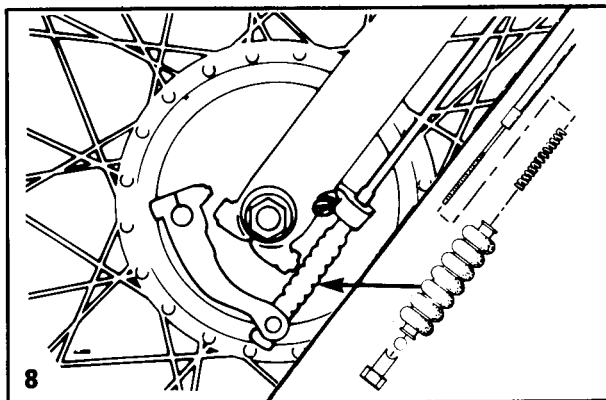
7. Install the front wheel assembly and insert the axle from the magneto side.

◆ **WARNING:** Be sure brake plate channel is engaged with fork anchor boss.



▼ **CAUTION:** Speedo drive must be positioned with cable at approximately 11 o'clock to prevent cable damage.

8. Install front brake cable.



9. Spin the wheel in the forward rotation, apply the brake and, holding the brake on, tighten the axle.

○ **NOTE:** This step is important. It centers the shoes.

10. Holding the front brake on, briskly compress the forks several times to align the fork legs, then tighten both axle pinch bolts.

◆ **WARNING:** This operation will ensure correct fork action.

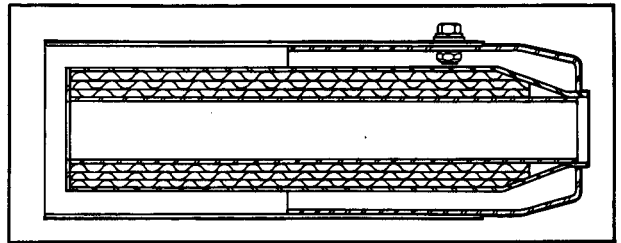
11. Install the rear wheel and the brake cable.

12. Spin the wheel in the forward rotation, apply the brake and holding the brake on, tighten the axle.

○ **NOTE:** This step is important; it centers the shoes.

## 2. SPARK ARRESTOR MAINTENANCE:

The resonator (p / n 745-003-007) is replaceable and may be removed to clean the spark arrestor chamber as required.



◆ **WARNING:** 1. Removal, modification or failure to maintain spark arrestor in effective working order may constitute a violation of existing Federal, State or Provincial regulations.

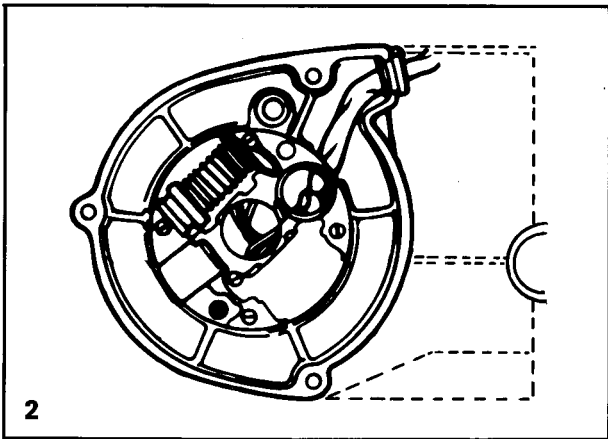
2. Be sure all cables, hoses and wires are routed away from exhaust pipe. Use tape or tie-wraps if necessary.

### 3. ENDURO PREPARATION TIPS:

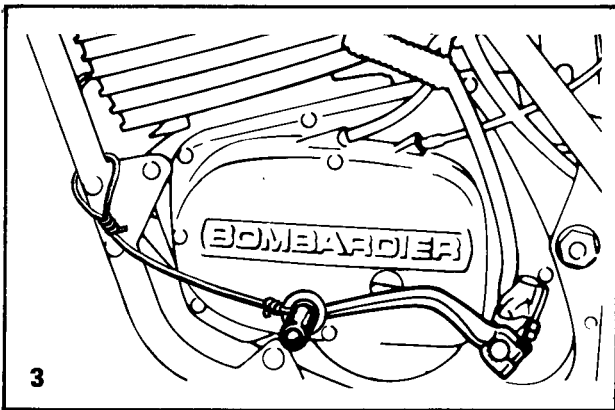
The following suggestions are provided as examples of how our top expert Enduro riders prepare their Can-Am's for competition.

While not mandatory, just performing these relatively minor modifications is a part of the overall enjoyment in full participation of off-road motorcycle sport.

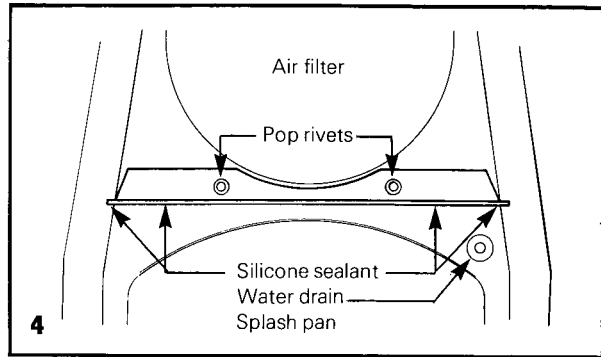
1. Carry a supply of emergency repair parts in the Can-Am tool bag, ie: Chain link kit, nuts, bolts, tape, wire, spark plug, tire irons, tools, inner tube or patch kit.
2. Cut away the drive chain cover portion of the magneto cover to allow quick access to the sprocket.



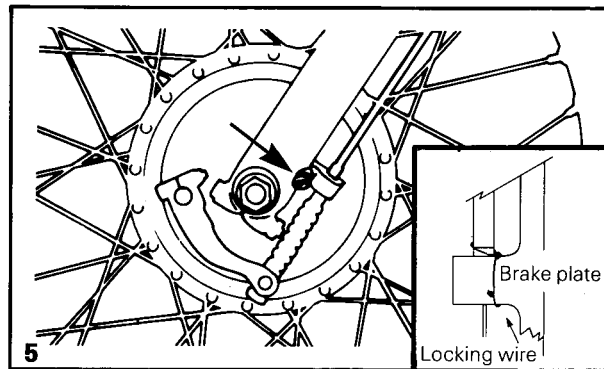
3. Run a small chain or wire cable from the tip of the gear shift lever and the brake pedal to the front down tubes to deflect weeds or long grass.



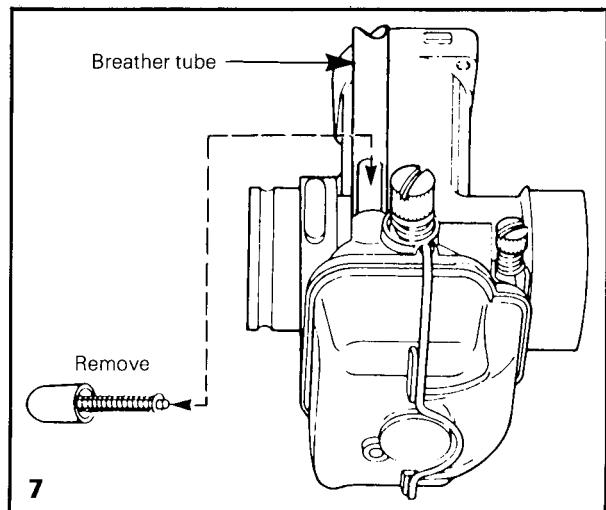
4. Install an air deflector in the splash pan.



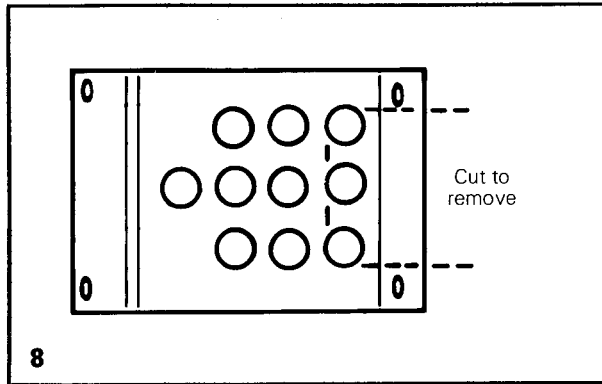
5. Use locking wire to secure the front brake cable outer to the brake plate cable anchor boss.



6. Lengthen the transmission and magneto breather tubes to loop up under the fuel tank and back down to the rear.
7. Modify the carburetor breather in a similar fashion.



- Cut out the back edge of the skid plate to prevent mud accumulation.



- Adjust the chain guide as close as possible to the bottom run the chain.
- Double check the fuel cap breather.
- Be sure the exhaust flange gasket is in good condition and fit four springs to hold the pipe securely against the exhaust flange.
- Although the orange wire connection may be switched inside the headlamp to correct a burned element situation, you may consider fitting a HI-LO switch (p/n 710-1029-00) for more convenience.

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#### **4. PRE-ENDURO PREPARATION CHECKLIST:**

Total enjoyment of the pleasures of off-road riding and success in Enduro competition is the result of many factors. These can be broken down into those relating to the rider, and those relating to the machine.

The rider must possess some pleasure of skill, conditioning and determination.

At the same time, the machine has to perform and be reliable. Machine preparation is an element that is often overlooked. Reliability and strength has been engineered into Can-Am motorcycles, and proper maintenance and preparation is necessary to take advantage of it.

If you don't finish an event because of a mechanical failure which could have been avoided with proper machine preparation, you have no one to blame but yourself.

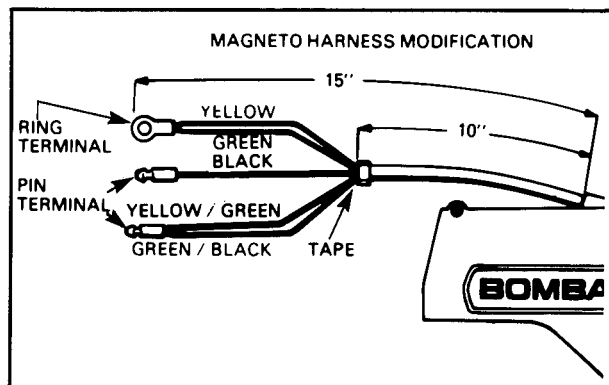
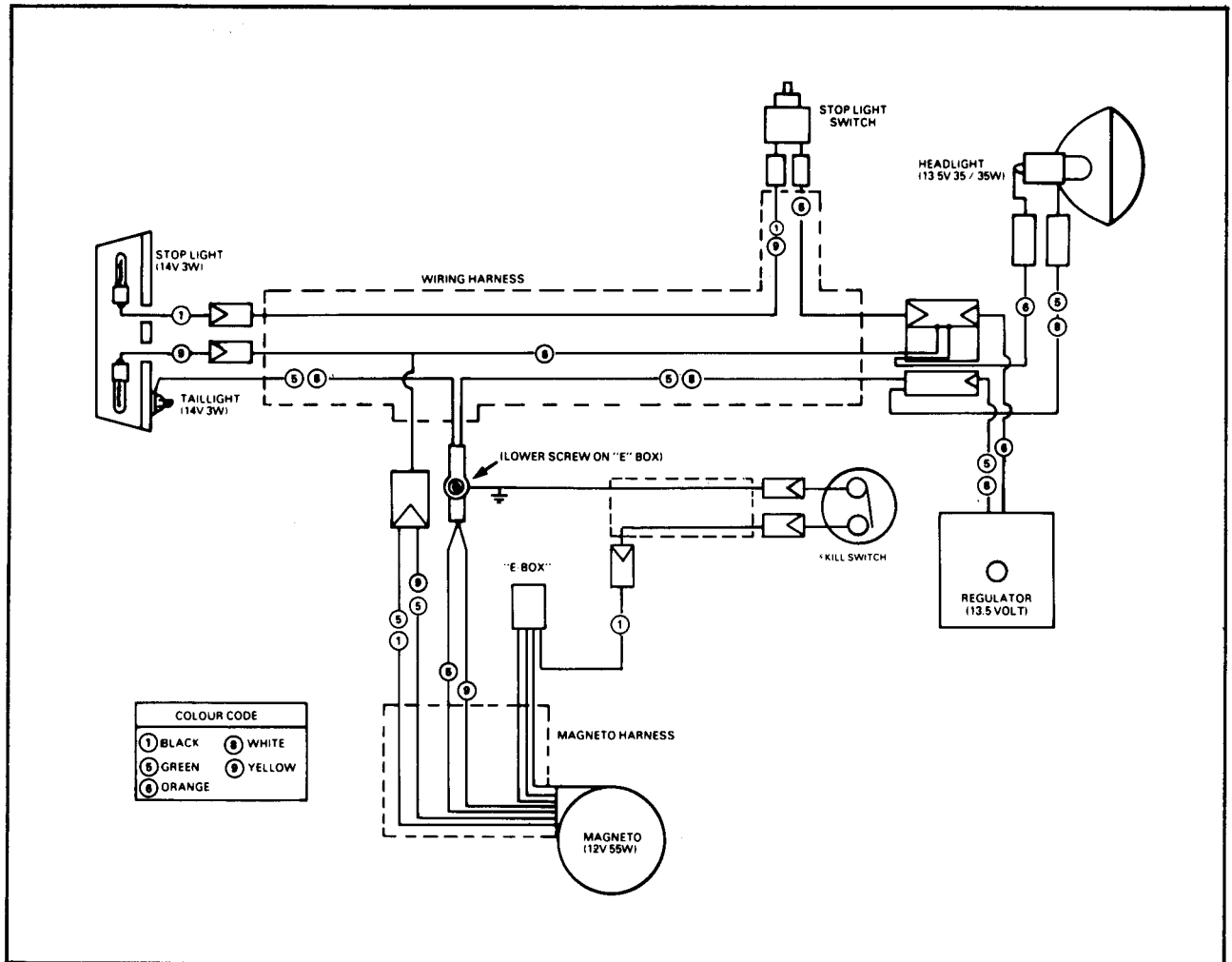
Your Operator Manual and supplement contain many fine recommendations and instructions to help you avoid the disappointment of mechanical failure on the trail.

Follow the guidelines of the preparation checklist regularly and particularly before any major ride or Enduro and you will enjoy many trouble-free miles of healthy, outdoor, physical activity.





## 5. T'NT O / R WIRING DIAGRAM:



○ **NOTE:** Orange (no. 6) wire connection may be switched at headlamp bulb to correct burned element situation.

◆ **WARNING:** Lighting provided is for emergency use only. Exercise extreme caution if night time riding is required.

## 6. SPECIFICATIONS

<b>MODEL 175 T'NT O / R</b>	
<b>DIMENSIONS</b>  Overall height Overall width Seat height Ground clearance Wheelbase Overall length	45" 34" 33" 9" 55" 84"
<b>CHASSIS</b>  Type Front suspension Rear suspension Fork angle Brakes Rim front rear Tire front rear Spokes front rear Levers clutch / brake Throttle Handlebar Gross weight Weight (dry)	Tubular space frame with tapered, backbone. "Betor" teledraulic 6.5 (7.3 "W.R.S.") travel "S & W" shocks 5¾" wheel travel 30° std, 25° to 31° adjustable. Drum, single leading shoe 6" x 1" WM1 x 21 WM 2 x 18 3.00 x 21 knobby 4.00 x 18 knobby 3.5 mm R.H. butted 4 mm / L.H. 3.5 mm "Magura" power / forged "Magura" ½ turn Chrome-moly, straight brace, chromed. 250 lbs. 230 lbs.
<b>ENGINE</b>  Type Bore Stoke Displacement Compression ratio (uncorrected) Horsepower at R.P.M. at rear wheel Lubrication Starter	Rotary valve, 2 stroke, single cyl. air cooled. 62 mm (2.441") 57.5 mm (2.264") 173.6 cc (10.60 cu. in.) 13:1 24 at 8,500 R.P.M. Oil injection, variable volume. Foot operated, L.H., in-gear starting.
<b>LIQUID CAPACITIES</b>  Gas tank Oil tank Transmission Forks (each leg)	2.5 U.S. gal. 2.1 Imp. gal. 2.3 U.S. quarts — 1.9 Imp. quarts. 1.2 U.S. quarts — 1 Imp. quart. 6.8 fl. oz. (200 cc).
<b>POWER TRAIN</b>  Primary drive Primary drive ratio Clutch Transmission	Straight cut, ground gears. 3.286 (21 / 69) Multi plate 5 discs, oil bath. Constant mesh, 6 speed.

Gear ratio 1st	3.40 (10 / 34T)
2nd	2.31 (13 / 30T)
3rd	1.68 (16 / 27T)
4th	1.31 (19 / 25T)
5th	1.05 (21 / 23T)
6th	0.96 (22 / 21T)
Chain	"Shima" ES 520
Number of pitches	102
Engine sprocket	15T
Rear wheel sprocket	42T
Ratio	2.80
Overall ratio (high gear)	8.83
<b>CARBURATION</b>	
Carburetor type	"Bing" 32 mm (type V-84)
Main jet	155
Needle jet	2.73
Idle jet	40
Needle identification	4 groove
Needle setting	3rd groove from top
Slide	No. 1
Idle jet screw adjustment	1½ turns out
Float level	26.2 m (1 1/32")
Air filter	Foam (oil impregnated)
<b>ELECTRICAL</b>	
Ignition system	"Bosch" electronic C.D.I.
Maximum ignition output	30,000 volts
Ignition timing at 9000 R.P.M.	1.2 mm (.047") BTDC
Spark plug type	14 mm — ¾" reach
Spark plug number	"Champion" N 57 G
Spark plug gap	0.020" (0.5 mm)
Lighting	"Bosch" alternator
Maximum output	55 watts
Headlamp	35 / 35 W
Tail / stop lamp	3 / 3 W

All information, illustrations and component / system descriptions contained in this manual are correct at the time of publication. However, Bombardier Limited reserves the right to make changes in design and specifications and / or to make additions to, or improvements in its product without imposing any obligation upon itself to install them on its products previously manufactured.



# LIMITED WARRANTY

## 1976 — 175 cc T'NT\* O/R MODEL

### CAN-AM\* MOTORCYCLE

Bombardier Limited (BOMBARDIER), as manufacturer,

#### WARRANTS

From the date of first consumer sale, every 1976 CAN-AM\* motorcycle sold as a new vehicle by an authorized CAN-AM dealer for a period of:

ninety (90) consecutive days for 175 cc T'NT\* O/R models.

BOMBARDIER will repair and / or replace, at its option, components defective in material and / or workmanship under normal use and service, with a genuine BOMBARDIER component, without charge for parts or labour at any authorized CAN-AM dealer.

#### EXCLUSIONS

The following parts are excluded from this warranty:

Nuts, bolts and common fasteners, spark plugs, bulbs, fuel and oil filters, soft trim, exposed decals, all oils.

Seized, scored or melted pistons.

Any part and / or component subject to normal wear, such as but not limited to, tires, tubes, clutch plates, brake shoes, chain and sprockets.

#### BOMBARDIER under this warranty, will not remedy or pay for the following:

Damage resulting from installation of parts other than genuine BOMBARDIER parts.

Damage caused by parts excluded from this warranty.

The labour, parts and lubricants cost of all maintenance including tune-ups and / or adjustments and damage caused by failure to provide proper maintenance as detailed in the Operator Manual supplied with each new CAN-AM motorcycle.

Damage resulting from racing or competition events.

Damage resulting from accident, fire or other casualty, misuse, abuse or neglect.

Modifying the motorcycle with high performance parts, whether or not such parts are supplied by BOMBARDIER or installed by an authorized CAN-AM dealer.

Losses incurred by the motorcycle owner other than parts and labour such as, but not limited to; transportation, towing, telephone calls, taxis, or any incidental or consequential damages.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation or exclusion may not apply.

#### CONDITION TO HAVE WARRANTY WORK PERFORMED

Present, to the servicing dealer, your hard copy of the CAN-AM Customer Warranty Registration card obtained from the selling dealer at the time of purchase of your motorcycle.

#### CUSTOMER ASSISTANCE

Should you feel that the product or any services provided under warranty is unsatisfactory, BOMBARDIER recommends that you:

1. Return to your authorized CAN-AM dealer service department;
2. If the dealer cannot resolve the problem, contact your area distributor listed in the operator manual.
3. If your grievance still remains unsolved, you may contact:

Bombardier Limited  
Customer Relations Center  
Recreational Products Group  
Valcourt, Quebec,  
Canada J0E 2L0

Please provide all necessary details including:

- Model and serial numbers
- Date of purchase
- Name and address of your selling dealer.

Where applicable, this warranty is expressly in lieu of all other expressed or implied warranties of BOMBARDIER, its distributors and the selling dealer, including any warranty of merchantability of fitness for any particular purpose, otherwise the implied warranty is limited to the duration of this warranty. However, some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply.

Neither the distributor, the selling dealer, nor any other person has been authorized to make any affirmation, representation or warranty other than those contained in this warranty, and if made, such affirmation, representation or warranty shall not be enforceable against BOMBARDIER or any other person.







**Recreational  
Products Group**

LITHO'D IN CANADA  
P / N 735 025 000