

MODEL: SERIAL NO: MANUAL NO: B6-10 83811 to 88106 MB-610-00

****IMPORTANT****

READ AND FOLLOW INSTRUCTIONS GIVEN IN SAFETY AND OPERATIONS SECTIONS, AND THOSE SECTIONS RELATED TO YOUR SERVICE AND REPAIR RESPONSIBILITIES.



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INSPECTION, SAFETY AND INTRODUCTION (continued) SAFETY

SPEED: This vehicle is designed to attain its maximum safe operating speed on level ground. That speed can easily be exceeded when traveling down hill. If this is allowed to occur, vehicle stability and braking performance become unpredictable. WARNING: DO NOT exceed, under any circumstances, the maximum design speed of the vehicle.

<u>CONTROLS</u>: Bring the vehicle to a complete stand still before operating the forward/reverse switch to change direction of travel. <u>DO NOT</u> use the accelerator to hold the vehicle at a standstill on an incline. Use only the brakes to hold the vehicle at rest while on a hill. <u>WARNING</u>: intentional/unintentional mis-use of controls could result in an accident.

BRAKES (MECHANICAL DRUM): The brake system relies on contact of rear tires with the ground for effectiveness. As tire to ground contact is reduced, braking effect is reduced. While driving, the operator must consider terrain, speed and steering maneuvers to prevent tires from losing contact with the ground, with consequent reduction of braking action.

MAINTENANCE: Many operating characteristics relate to maintenance in ways which are not readily obvious. Those maintenance characteristics most closely related to vehicle operating safety are indicated in Sections 3 and 4.

<u>CAUTION:</u> Also to be considered is the safety of personnel who perform service and maintenance duties. Two characteristics need special emphasis.

- 1. Disconnect battery leads to avoid unintentional starting of the motor during servicing or maintenance.
- <u>Batteries</u> emit gasses which can be explosive, especially while they are being charged. Personnel who are involved with servicing vehicles, or maintaining vehicles, need to be made familiar with this hazard. A detailed explanation is contained in Section 7.

WARNING:

- 1. When performing maintenance on any part of the vehicle electrical system, disconnect main battery leads. Remove key from keylock in dash panel.
- 2. Never replace a circuit fuse with one having a higher rating than the original equipment fuse. Fuses have been selected to provide full circuit protection for all operating conditions. A FUSE WILL ONLY BLOW DUE TO A SHORT CIRCUIT. Therefore, always locate and correct the cause of short-circuit before replacing a blown fuse. Using a fuse of higher rating is an UNSAFE PRACTICE and could cause serious damage to equipment.

INTRODUCTION

This vehicle is designed to be driven on smooth surfaces in and around industrial plants, nurseries, institutions, motels, mobile home parks and resorts. It is not designed to be driven on the public highways. It is not designed to go in excess of 15 mph on level surfaces or downhill. Speeds in excess of this may result in steering difficulty and possible loss of vehicle control. Vehicle is not designed to be towed in excess of 15 mph.

SERIAL NO.

The model number and serial number are on a decal attached to the cowl panel right of the steering column. In ordering parts or referring to your unit, please use these numbers. Replacement parts can be purchased directly from your local authorized dealer. This manual begins with serial number 83844.

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SECTION 1 Page 3

B 6-1Ø SPECIFICATIONS

	SPECIFICATIONS
ITEMS	DESCRIPTION
Dimensions (L x W x H)	304.8 X 112.4 X 122 cm 76 1/4 X 44 1/4 X 48 in
Dry weight	517 kg (1140 lbs.)
Turning radius	312 cm (125 in)
Hill climbing ability	up to 25%
Lubrication system	Wet sump
Engine Oil capacity	1.4 L (1.5 US QT)
Oil required	SAE 10W30 type SE or SF motor oil
Fuel tank capacity	24.0 L (5.3 Imp gal, 6.3 US gal)
Fuel required	Unleaded regular gasoline only
Ignition system	TCI
Spark Plug type	B5ES (NGK)
Spark Plug gap	Ø.7 approx. Ø.8 mm (Ø.028 approx. Ø.031 in)
Transmission system	Automatic variable-pitch V-belt transmission Double reduction helical gear 13.65 : 1
Brakes	Mechanical brake linkage to individual drum brakes on each rear wheel with self-adjusting brake shoe. Parking brake with hand lever release.
Engine	Model G2-A 4 stroke l cylinder
Tire type	5.70 x 8 Load Range B
Tire pressure	Ø.8 kg/cm2 (12 psi
Maximum loading limit	1500 lbs. (681 kg) includes passengers
Battery	<pre>Group 24, minimum 48 amp. hour (Note: The positive terminal must be in the top right corner of the battery top to allow proper installation.</pre>

TAYLOR-DUNN WARRANTY

TAYLOR-DUNN LIMITED 90 DAY WARRANTY

TAYLOR-DUNN MANUFACTURING COMPANY (TDMC), warrants each new Taylor-Dunn vehicle for ninety (90) days according to the following terms:

This warranty provides coverage for the original retail purchaser only and becomes effective on the date of the original retail purchase.

Any part of the Taylor-Dunn vehicle manufactured or supplied by TDMC and found in the reasonable judgment of TDMC to be defective in material or workmanship will be repaired and/or replaced at the business location of an authorized Taylor-Dunn distributor only without charge for parts and labor. The Taylor-Dunn vehicle (including any defective part) must be delivered to an authorized Taylor-Dunn distributor within the warranty period.

All costs of a service call regarding warranty-related repairs and/or replacements on the Taylor-Dunn vehicle at the owner's location, the labor performed by the distributor at the owner's location, all costs of delivering the Taylor-Dunn vehicle to the distributor for warranty work and the costs of returning the Taylor-Dunn vehicle back to the owner after repair or replacement will be paid for by the owner. Proof of purchase will be required by the authorized Taylor-Dunn distributor to substantiate any warranty claim. All warranty work must be performed by an authorized Taylor-Dunn distributor.

TDMC does not provide a warranty related to SCR's, tires, batteries, chargers, or other parts not of their manufacture as such parts are usually warranted separately by their respective manufacturers.

This warranty does not include service items subject to normal wear such as brake linings, seals, belts, light bulbs and fuses.

This warranty does not provide coverage for any Taylor-Dunn vehicle that has been subject to misuse, neglect, negligence, accident, or operated in any way contrary to the operating or maintenance instructions as specified in the TDMC operator's manual. The warranty does not apply to any Taylor-Dunn vehicle that has been altered or modified so as to adversely affect the vehicle's operation, performance or durability or that has been altered or modified so as to change its intended use. In addition, the warranty does not extend to repairs made necessary by normal wear, or by the use of parts or accessories which in the reasonable judgment of TDMC are either incompatible with the Taylor-Dunn vehicle or adversely affect its operation, performance or durability.

Repairs or replacements qualifying under this warranty will be performed by an authorized Taylor-Dunn distributor following delivery of the vehicle to the distributor's place of business. TDMC's responsibility in respect to claims is limited to making the required repairs or replacements. No claim of breach of warranty shall be cause for cancellation of the contract of sale of any Taylor-Dunn vehicle.

TDMC assumes no liability or responsibility for loss of use of the Taylor-Dunn vehicle, loss of time, inconvenience, or other damage, consequential or otherwise, including, but not limited to, all costs for delivering the Taylor-Dunn vehicle to the distributor and all costs of returning the vehicle back to the owner, mechanic's travel time, telephone or telegram charges, trailering or towing charges, rental of a like vehicle during the time warranty repairs are being performed, travel, lodging, loss or damage to personal property, or loss of revenue.

TDMC reserves the right to change or improve the design of any vehicle without assuming any obligation to modify any TDMC vehicle previously manufactured.

All implied warranties are limited in duration to the ninety (90) day warranty period. Accordingly, any such implied warranties

including merchantability, fitness for a particular purpose, or otherwise, are disclaimed in their entirety after the expiration of the ninety (90) day warranty period. TDMC's obligation under this warranty is absolutely and exclusively limited to the repair or replacement of defective parts, and TDMC does not assume, or does not authorize anyone to assume for them, any other obligation.

This warranty applies to all TDMC vehicles sold in the United States.

WARRANTY SERVICE

To make a claim under warranty, contact an authorized Taylor-Dunn distributor immediately upon realizing a problem exists. We recommend having the warranty work performed by the distributor who originally sold you the vehicle; however, warranty work can be obtained from any authorized Taylor-Dunn distributor. Remember, your Taylor-Dunn vehicle must be delivered to an authorized distributor within the warranty period, and all warranty work must be performed only by an authorized Taylor-Dunn distributor. Your proof of purchase will be required by the dealer to verify any warranty claim.

Examples of Items Not Covered by Warranty

Provisions of the warranty will not apply to:

Normal service requirements occurring during the warranty period, such as adjustment and cleaning or wear of a drive belt, drive chain, brake or rheostat.

Normal service work over and above the repair and replacement of defective parts. Vehicles subject to misuse, neglect, negligence, or accident.

Vehicles that have been altered or modified so as to adversely affect their operation, performance or durability or to change their intended use.

Repairs made necessary by the use of parts or accessories which are either incompatible with the vehicle or adversely affect its operation, performance or durability.

Vehicles not operated or maintained in accordance with the instructions in the Taylor-Dunn Operator's Manual.

Periodic checking, lubricating the vehicle or service check-up.

All costs of delivering the vehicle to the distributor and all costs of returning the vehicle back to the owner, mechanic's travel time, trailering or towing charges, or rental of a like vehicle during the time warranty repairs are being performed.

This warranty applies only to the original retail purchaser. Second-owner or subsequently owned vehicles are not covered under the warranty.

Owner's Obligation and Responsibility

Normal maintenance service and replacement of service items are the responsibility of the owner and as such are not considered defects in material or workmanship with the terms of this warranty. Individual operating habits and usage may contribute extensively to the need for maintenance service.

Consult with your authorized Taylor-Dunn distributor for advice on proper maintenance and care of your vehicle. Proper maintenance and care will be very helpful in keeping your overall operating costs at a minimum.

To assure warranty coverage, it is the owner's responsibility to maintain all components in proper adjustment and to service the vehicle as specified in the Taylor-Dunn Vehicle Operator's Manual. It is the owner's responsibility to provide proper lubrication for all components and provide correct recommended battery maintenance, to maintain the battery liquid level and charge as specified, as well as maintain the correct pressure in the tires of the vehicle.

SECTION 3 Page 1

OPERATING INSTRUCTIONS

The controls on your Taylor-Dunn vehicle have been designed and located for convenience of operation and efficient performance. Before driving your vehicle for the first time, familiarize yourself with each of the controls. Read the following instructions and with power OFF, operate each control.

STEERING

The steering wheel and steering system is similar to automotive types. Turn the steering wheel to the right (clockwise) for a right turn and left (counterclockwise) for a left turn.

KEY LOCK

Your vehicle is equipped with a keyed lock located on the instrument panel. It is designed to lock the switch in the off position only. The key will remove from the lock in the off position only.

SERVICE BRAKE (FOOT)

The brake pedal is designed and located for right foot operation. It is the pedal located to the left of the accelerator pedal. It functions the same as the brake pedal in your automobile. Removing your foot from the pedal allows immediate release of the braking action to your vehicle.

PARK BRAKE

This is a hand lever actuated brake located between the front seats. Pulling brake directly up on the lever, sets park brake. Depressing handle button letting down on handle releases brake.

CHOKE KNOB

Use the choke knob (located on kick panel) when starting a cold engine. Pull out the choke knob and hold it in position until the engine responds correctly. Release choke as engine warms up.

FORWARD/REVERSE SWITCH

The forward/reverse switch is located on the kick panel. It is a lever type switch. Pulling the lever places the vehicle in forward. Pushing downward places vehicle in reverse. Center position is off. CAUTION: The forward/reverse switch serves the same purpose as the transmission SELECTOR in your automobile. Treat it with the same respect and care. DO NOT SHIFT from forward to reverse or vice-versa while the vehicle is in motion.

OIL WARNING LIGHT Located on instrument panel, it will glow when oil level is low.

BACK UP BUZZER

Whenever vehicle is in reverse position, warning buzzzer will sound.

ACCELERATOR

The accelerator pedal is located to the right of the brake pedal. It is designed for right foot operation similar to your automobile. Your forward/reverse switch determines the direction of travel and your accelerator pedal controls the speed.

HORN BUTTON

The horn button is located on the cowl shelf to the right of the steering column. Depressing button sounds horn. Releasing button will immediately silence horn.

SECTION 3 Page 2

STANDARD OPTIONAL ACCESSORIES

WINDSHIELD WIPER (CAB EQUIPPED)

On vehicles equipped with electric windshield wipers use the Accessory (ACC) Control Switch.

DIRECTION SIGNALS

On vehicles equipped with directional turn signals the control is located on the steering column. Move the control lever in the direction you will be turning your steering wheel to signal the direction you intend to turn your vehicle. Indicating lamps are located within the turn signal control for your convenience.

The directional turn signal also serves as an emergency flasher control by pulling the control lever outward <u>away</u> from steering column when in neutral position.

HEADLIGHT (IF SO EQUIPPED) AND DUAL TAILLIGHTS Use instrument panel switch labeled, "HEADLIGHT"

MAJOR OPTIONS (SEE SECTION 15)

CAB

An all metal cab with or without metal doors

TOOL BOX Mounts two metal doors to rear compartment

FOLD DOWN REAR SEAT Folds into rear deck when not in use

CARGO BOX All metal with rear doors. NOTE: Other items are also shown in Section 15 for kit up-dating of basic vehicles.

OPERATING YOUR VEHICLE

To put your vehicle into operation; sit on seat, turn key on (clockwise). Select direction you wish to travel by activating forward reverse switch then slowly depress accelerator pedal until vehicle is moving at the desired speed. Steer vehicle as required, utilizing the foot brake and accelerator to control your speed as desired.

CAUTION:

DO NOT "HOLD" VEHICLE AT A STANDSTILL ON A HILL OR INCLINE USING ACCELERATOR ONLY. USE FOOT AND PARK BRAKE TO HOLD THE VEHICLE ON A HILL SAFELY.

WARNING:

WHEN YOU LEAVE YOUR VEHICLE, SET PARKING BRAKE, PLACE FORWARD/REVERSE LEVER IN NEUTRAL POSITION AND REMOVE KEY.

DRIVE SAFELY AND ENJOY YOUR TAYLOR-DUNN VEHICLE

OPERATING RESPONSIBILITIES AMERICAN NATIONAL STANDARD PERSONNEL AND BURDEN CARRIERS ANSI B 56.8-1981 SECTION 5 OPERATING RULES AND PRACTICES

501 OPERATOR QUALIFICATIONS

Only trained and authorized operators shall be permitted to operate a Personnel and Burden Carrier. Operators of Personnel and Burden Carriers shall be qualified as to visual, auditory, physical, and mental ability to safely operate the equipment according to Section 5 and all other applicable parts of this standard.

502 PERSONNEL AND BURDEN CARRIER OPERATORS' TRAINING

(a) The carrier owner, lessee, or employee of the carrier operator shall conduct an operators' training program for the carrier operators.

(b) Successful completion of the operators' training program shall be required by the owner, lessee, or employer of the carrier operator before operation of the Personnel and Burden Carrier by any operator.

(c) An effective operator's training program should center around user company's policies, operating conditions, and their Personnel and Burden Carrier by any operator.

Carrier by any operator. (d) Information on operator training is available from several sources, including carrier manufacturers.

(e) The carrier owner, lessee or employer of the carrier operator should include in the operators' training program the following:

 (1) Careful selection of the operators, considering physical

(1) Careful selection of the operators, considering physical qualifications, job attitude and aptitude.

(2) Emphasis on safety of stock, equipment operator, and other employees.

(3) General safety rules contained in this standard and the additional specific rules determined by the carrier owner, lessee, or employer of the carrier operator in accordance with this standard, and why they were formulated.

(4) Introduction of equipment, control locations and functions, and explanation of how they work when used properly and when used improperly; and ground and floor conditions, grade, and other conditions of the environment in which the Personnel and Burden Carrier is to be operated.

(5) Operational performance tests and evaluations during, and at completion of the program.

(6) Rules of the employer and any applicable labor contract governing and dealing with discipline of employees for violation of employer's rules, and including safety rules.

503 OPERATOR RESPONSIBILITY

Operators of Personnel and Burden Carriers shall abide by the following safety rules and practices in 504, 505, 506, and 507.

OPERATING RESPONSIBILITIES continued ANSI B56.8-1981

504 GENERAL

(a) Safeguard the pedestrians at all times. Do not drive carrier in a manner that would endanger anyone.

(b) Riding on the carrier by persons other than the operator is authorized only when personnel seat(s) are provided. Do not put any part of the body outside the outer perimeter of the carrier.

(c) When a Personnel or Burden Carrier is left unattended, stop carrier, place directional controls in neutral, apply the parking brake, stop the engine or turn off power, turn off the control or ignition circuit, remove the key if provided, and block the wheels if machine is on an incline.

(d) A Personnel and Burden Carrier is considered unattended when the operator is 25 ft. (7.6 m) or more from the carrier which remains in his view, or whenever the operator leaves the carrier and it is not within his view. When the operator of a Personnel and Burden Carrier is dismounted and within 25 ft. (7.6 m) of the carrier still in his view, he still must have controls neutralized, and brakes set to prevent movement.

(e) Maintain a safe distance from the edge of ramps and platforms.

approved Personnel and Burden Carriers in hazardous (f) Use only locations.

(g) Report all accidents involving personnel, building structures, and equipment.

(h) Operators shall not add to, or modify, the Personnel or Burden carrier.

(i) Fire aisles, access to stairways, and fire equipment shall be kept clear.

(j) Operators and personnel shall be warned of the hazards of long hair and loose clothing.

505 TRAVELING

(a) Observe all traffic regulations, including authorized plant speed limit. Under normal traffic conditions keep to the right. Maintain a safe distance, based on speed of travel, from the carrier or vehicle ahead; and keep the Personnel and Burden Carrier under control at all times.

(b) Yield the right of way to pedestrians, ambulances, fire trucks, or other carriers or vehicles in emergency situations.

(c) Do not pass another carrier or vehicle traveling in the same direction at intersections, blind spots, or at other dangerous locations.

(d) Keep a clear view of the path of travel, observe other traffic and personnel, and maintain a safe clearance.

(e) Slow down and sound the audible warning device at cross aisles and other locations where visibility is obstructed.

(f) Ascend or descend grades slowly.

(g) Use extra caution when operating on grades. Never turn on any grade, ramp, or incline; always travel straight up and down. (h) Under all travel conditions the carrier shall be operated at a speed

that will permit it to be brought to a stop in a safe manner.

(i) Make starts, stops, turns, or direction reversals in a smooth manner so as not to shift the load, overturn the carrier, or both.

(j) Do not indulge in stunt driving or horseplay.

(k) Slow down when approaching, or on, wet or slippery surfaces.

(1) Do not run carrier onto any elevator unless specifically authorized to do so. Approach elevators slowly, and then enter squarely after the elevator car is properly leveled. Once on the elevator, neutralize the controls, shut off power, and set brakes. It is advisable that all other personnel leave the elevator before a carrier is allowed to enter or leave.

(m) Avoid running over loose objects on the roadway surface.

(n) Prior to negotiating turns, reduce speed to a safe level, turning hand steering wheel or tiller in a smooth, sweeping motion.

SECTION 3 Page 5

OPERATING RESPONSIBILITIES continued

506 LOADING

(a) Handle only stable or safely arranged loads. When handling off-center loads which cannot be centered, operate with extra caution.

(b) Handle only loads within the capacity of the Personnel and Burden Carrier as specified on the name plate.

(c) Handleloads exceeding the dimensions used to establish carrier capacity with extra caution. Stability and maneuverability may be adversely affected.

507 OPERATOR CARE OF MACHINE

(a) At the beginning of each shift during which the Personnel and Burden Carrier will be used, the operator shall check the carrier condition and inspect the tires, warning devices, lights, battery, controller, brakes, and steering mechanism. If the carrier is found to be in need of repair, or in any way unsafe, or contributes to an unsafe condition, the matter shall be reported immediately to the designated authority, and the carrier shall not be operated until it has been restored to safe operating condition.

(b) If, during operating the carrier becomes unsafe in any way, the matter shall be reported immediately to the designated authority, and carrier shall not be operated until it has been restored to safe operating condition.

(c) Do not make repairs or adjustments unless specifically authorized to do so.

(d) The engine shall be stopped and the operator shall leave the carrier while refueling.

(e) Spillage of oil or fuel shall be carefully and completely absorbed or evaporated and fuel tank cap replaced before starting engine.

(f) Do not operate a carrier with a leak in the fuel system or battery.

(g) Do not use open flames for checking electrolyte level in storage batteries or liquid level in fuel tanks.

601 INTRODUCTION

Personnel and Burden Carriers may become hazardous if maintenance is neglected. Therefore, maintenance facilities, trained personnel, and procedures shall be provided.

602 MAINTENANCE PROCEDURES

(a) Maintenance and inspection of all Personnel and Burden Carriers shall be performed in conformance with the manufacturer's recommendations and the following practices.

(b) A scheduled preventive maintenance, lubrication, and inspection system shall be followed.

(c) Only qualified and authorized personnel shall be permitted to maintain, repair, adjust, and inspect Personnel and Burden Carriers.

(d) Before leaving the Personnel and Burden, stop carrier, place directional controls in neutral, apply the parking brake, stop the engine or turn off power, turn off the control or ignition circuit, and block the wheels if carrier is on an incline.

(e) Before undertaking maintenance or repair on carrier, raise drive wheels free of floor or disconnect battery, and use chocks or other positive carrier positioning devices.

(f) Block chassis before working under it.

(g) Before disconnecting any part of the engine fuel system of a gasoline or diesel powered carrier with gravity feed fuel systems, be sure shutoff valve is closed, and run engine until fuel system is depleted and engine stops running.

SECTON 3 Page 6

SECTION 3 Page 6

SECTION 6 MAINTENANCE PRACTICES

602 MAINTENANCE PROCEDURES continued

(h) Before disconnecting any part of the fuel system of LP gas powered carriers, close the LP gas cylinder valve and run the engine until fuel in the system is depleted and the engine stops running.

(i) Operation to check performance of the Personnel and Burden Carrier shall be conducted in an authorized area where safe clearance exists.

- (j) Before starting to operate the carrier:
 - 1) Have operator in operating position.
 - 2) Depress clutch (or brake pedal on automatic transmission and electric carriers).
 - 3) Place directional controls in neutral.
 - 4) Start engine or switch electric carrier to "on" position.
 - 5) Check functioning of directional and speed controls, steering, warning devices, and brakes.

(k) Avoid fire hazards and have fire protection equipment present in the work area. Do not use an open flame to check level or leakage of fuel, electrolyte, or coolant. Do not use open pans of fuel or flammable cleaning fluids for cleaning parts.

(1) Properly ventilate work area.

(m) Handle LP gas cylinders with care. Physical damage, such as dents, scrapes, or gauges, may dangerously weaken the tank and make it unsafe for use.

(n) Brakes, steering mechanisms, control mechanism, warning devices, lights, governors, guards, and safety devices shall be inspected regularly and maintained in a safe operating condition.

 (o) Special Personnel and Burden Carriers or devices designed and approved for hazardous area operation shall be inspected to ensure that maintenance preserves the original approved safe operating features.
 (p) Fuel systems shall be checked for leaks and condition of parts.

(p) Fuel systems shall be checked for leaks and condition of parts. Action shall be taken to prevent the use of the carrier until the leak has been corrected.

(q) The Personnel and Burden Carrier manufacturer's capacity,operation and maintenance instruction plates, tags, or decals shall be maintained in legible condition.

(r) Batteries, motors, controllers, limit switches, protective devices, electrical conductors, and connections shall be inspected and maintained in conformance with good practice.

(s) Carriers shall be kept in a clean condition to minimize fire hazards and facilitate detection of loose or defective parts.

(t) Modifications and additions which affect capacity and safe machine operation shall not be performed by the customer or user without manufacturer's prior written authorization; where authorized modifications have been made, the user shall ensure that capacity, operation, warning and maintenance instruction plates, tags, or decals are changed accordingly.

(u) Care shall be taken to assure that all replacement parts are interchangeable with the original parts and of a quality at least equal to that provided in the original equipment.

WARNING

When replacement parts are necessary, use Taylor-Dunn parts to insure original strength and characteristics.

MAINTENANCE GUIDE CHECKLIST

This checklist is provided for your convenience as a guide for servicing your vehicle. If followed you will enjoy a good running and trouble free unit. It has been set up for average normal use. More frequent service is recommended for extreme or heavy usage. If desired your Taylor-Dunn dealer will gladly perform these services for you as he has expert service men in the field for this purpose. Do not hesitate to call your service manager if any questions arise.

WARNING: When performing maintenance on any part of the electrical system, turn key to off position and remove from switch, disconnect main battery leads and place Forward/reverse switch in neutral.

Maintenance item	EVERY WEEK	EVERY MONTH	EVERY 3 MONTHS	EVERY 6 MONTHS	EVERY YEAR
Check and fill battery as necessary with distilled water only.	x				
Check tire pressure.	х				
Check condition of air filter cover. Wash with hot soapy water and allow to dry before use.				x	
Replace air filter element.					x
Lubricate all zerk fittings.			х		
Lubricate all moving parts without zerk fittings. Use al purpose engine oil.	11		x		
Wash off batteries with water	c.		x		
Check all wire connections. Clean and tighten as necessar	cy.		X		
* Check foot operated brake a	systems.	х			
* Check brake linings for wear Adjust as necessary.	ar.			X	
Check spark plug (B5ES) gap	(.031).			х	
* Check steering for play. Ad necessary.	ijust as			X	
Check engine oil level. 1 qt 10W 30 type SE/SF.	. SAE		x		
Drain differential and refil: SAE 90 gear oil.	l. Use				x
 Check and adjust front when bearings. 	əl			x	
* Clean and repack front when bearings. Use wheel bearing		•			x
		TONO			

* ITEMS RELATED TO SAFETY RECOMMENDATIONS

YEARLY MAINTENANCE GUIDE CHECK LIST

MAINTENANCE TASK	COMPLETED	DATE
THROTTLE CABLE: Check for free play020 inch		
CHOKE CABLE: Check for free play. 040 inch		
CARBURETOR: Check for dirt or water		
FUEL LINES: Check for leakage. Replace if necessary.		
DRIVE BELT: Check for slippage, wear or scratches		
PRIMARY SHEAVE: Check for operation and wear. Grease: 2-3 shots (manual grease gun) 2-3 seconds (auto grease gun) with light weight lithium soap base grease.		
STARTER: Check starter V belt for damage, tension and tightness.		

PREVENTING AIR FILTER BOX OIL ENTRY

If engine oil level is increased above the MAX mark on the dipstick because of inaccurate readings, or if the engine is run at excessive speeds because of overriding of the mechanical governor, oil may be forced into the air filter box. It can ruin the paper filter element and cause a rich-running condition.

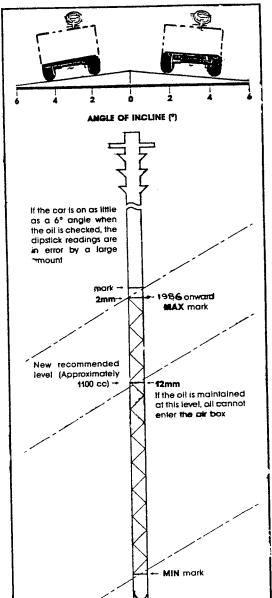
Customers should be cautioned that the oil level should be checked only when the car is on level ground. As seen in the illustration, with the car on as little as a 6 degree incline (normal road drainage pitch is about 4 degrees), the dipstick can be easily misread.

By reducing the oil level in the engine to approximately 1100 cc, this problem will no longer occur.

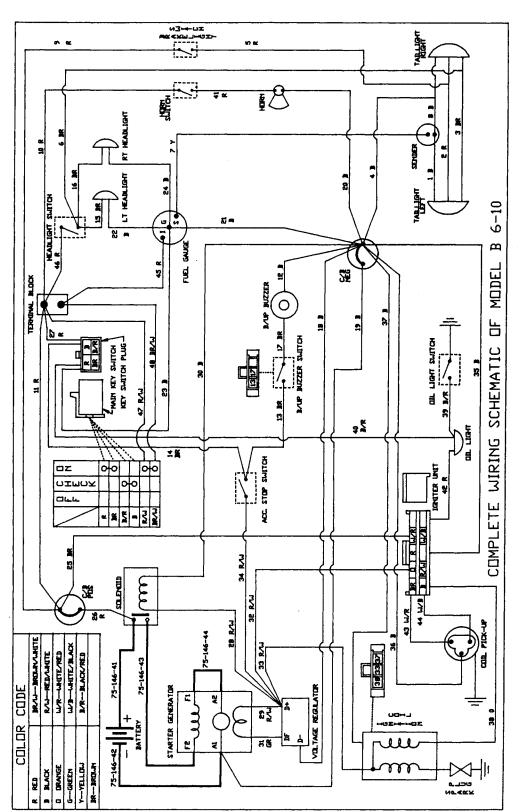
When adding or changing oil, the engine should be filled with 1100 cc of oil. This amount lowers the oil level to a point on the dipstich between the MAX and the MIN marks, about one third the distance below the MAX mark (12 mm). Do not fill above this point. This slightly reduced oil level will not affect lubrication. The oil level warning system still gives ample notice when oil must be added.

If desired, the dipstick can be remarked at the level indicated after an oil change. As usual, make sure both the dipstick and the oil-filler cap are firmly in place after any oil servicing to ensure proper circulation of oil in the cylinder head, and that the governor is adjusted to factory specifications.

RELATIONSHIP BETWEEN ANGLE OF INCLINATION AND OIL LEVEL READING



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B 6-10 WIRING DIAGRAM FIGURE 1

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TROUBLE SHOOTING PROCEDURES

SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
STEERING l. a. Pull in one direction	 Unbalanced front tire pressure Bent or misadjusted tie rod 	 Check and adjust pressures Repair, replace or adjust tie rod
b. Hard Steering	 Low tire pressure Dry pivot points in steering linkage Bent or misadjusted king pin 	 Inflate to 12 lbs. Lubricate Repair, replace or adjust king pin
c. Sloppy or Loose	 Loose wheel bearing Loose or worn universal joints Worn king pin bushings or king pins Excess backlash in steering gear box 	 Adjust Tighten or replace universal joints Replace bushings or pins and bushings Adjust backlash
2. <u>DRIVE AXLE</u> a. Lack of Power	 Parking brake not completely released Incorrect brake adjust- ment, brake dragging Defective or misadjusted wheel bearing Bind or drag in primary drive or differential 	 Release parking brake Adjust brake system Adjust or replace bearing Check and repair primary drive or differential
b. Abnormal Noise	 Worn gears or bearings in differential Defective axle bearing Worn or bent axle Loose wheel lug nuts 	 Check and replace gears or bearings Replace bearing Replace axle Tighten lug nuts
 c. Oil leaks in wheel bearing area d. Oil leaks in gear case or motor area 	 Wheel bearing seal defective Wheel bearing gasket defective Drive axle filled above proper level Defective gear case cover gasket 	 Replace seal Replace gasket Drain oil to proper level Replace gasket
3. <u>BRAKES</u> a. Poor brakes	1. Worn lining	 Adjust for lining wear or replace in less than .060 thick
	 2. Brake lining wet or oily 3. Bind in brake linkage 4. Incorrect linkage adjustment 	 Clean and dry or replace if oily Loosen and readjust brake linkage Adjust linkage

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TROUBLE SHOOTING PROCEDURES

SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
Pedal reaches the	. Incorrect linkage adjustment . Broken linkage	 Adjust linkage Repair or replace broken part
grabbing brakes	. Small amount of oil on lining . Incorrect linkage adjustment	l. Clean lining 2. Adjust linkage
speed performance 2 * 3 4 * 5 6 7 8 * 9 10	 Spark plug fouled Choke on Incorrect timing Carburetor not level Weak spark Pilot screw Carburetor low speed inoperative Fuel pump inoperative Incorrect Carburetor level Air leak Plugged gas tank vent 	 Clean or replace Turn off Reset timing Level it Check ignition coil and circuits Clean or adjust as necessary Repair as necessary Repair as necessary Level it Repair Repair
5. Poor midrange 1 or high speed 2 performance 3 4 5 * Also applies to above group 7	 Flugged gas tank vent Incorrect fuel level Incorrect pilot jet Dirty air filter Brake drag Low compression Blocked exhaust system Governor misadjusted 	 Level Check size Check size Check size Replace Adjust brakes Check with compression tester Check muffler and carbon build up Adjust

MAINTENANCE PROCEDURES BATTERIES

It cannot be over emphasized how important good maintenance procedures and normal care of your batteies will affect their useful life. It is therefore recommended that a comprehensive maintenance program be established and adhered to throughout the life of your vehicle. A 3 point program is outlined below to assist you in understanding and estalishing good battery care.

1. CHARGING

Check electrolyte level periodically and fill the battery with distilled water up to the specified level.

Check the specific gravity of the electrolyte. The reading should be 1.26 at 26.7 degrees C (80 degrees F). If the specific gravity is low, charge the battery.

2. CLEANING

Batteries pick up various kinds of dirt and dust, depending on their surroundings and to the type of service they are subjected. This is usually dry dirt, which can be readily be blown off with low pressure air or brushed off. However, if cells are overfilled and electrolyte collects on the covers, the top of the battery becomes wet and stays wet, since the acid in the electrolyte does not evaporate. This moist surface in combination with certain kinds of dirt becomes electrically conductive and permits stray currents to flow externally over the top of the battery. These currects cause corrosion of cell posts, nuts, connectors and steel trays, which eventually become troublesome and expensive to repair.

When wet dirt accumulates on top of the battery, remove it by washing the battery with a strong solution of baking soda and hot water (1 lb. of soda to 1/2 gallon of water). A convenient brush to use is one having flexible bristles like an old paint brush. Continue the application of the soda solution until all fizzing stops, which indicates that the acid has been neutralized. Then rinse thoroughly with clear water.

Wet covers can be indication of overfilling, leaky seals at posts and covers or of excessive gassing during charge. When observed the cause should be determined and the abusive conditions corrected.

SECTION 7 Page 2

MAINTENANCE PROCEDURES, BATTERIES continued

3. WINTER STORAGE

Before storing your vehicle in a sheltered area for the winter season, clean and check the charge level of the batteries.

It is not advisable to allow a battery to stand for a long period of time in a low state of charge. Doing so subjects the battery to excessive plate erosion and in the cold climate conditions the electrolyte will freeze at a much higher temperature. For example, a fully charged battery will not freeze at temperatures near 60 degrees below zero. Yet a battery in a very low state of charge may freeze at temperatures around 10 to 15 degrees above zero.

A battery not in use maintains small amounts of chemical action which slowly tends to dissapate the charged condition. It is wise to re-charge a battery not in use every 1 to 2 months. If possible store the battery in a cool place, as the self discharge rate is increased with warmer temperatures.

BATTERY PART NUMBER

77-054-10 Battery 12 Volt 61 AH 1 Required

SECTION 8 Page l

B 6-10 MAINTENANCE PROCEDURES REFER TO SECTION 2 FRONT AXLE, STEERING AND TIRES

Your front axle and wheel assembly consists of an axle mounted on 2 leaf springs with automotive spindles, steering worm, and steering linkage. It has been designed for rugged dependable service with little maintenance requirements, other than lubrication and an occasional check of all nuts and bolts for tightness. Your wheels revolve on Timken Roller Bearings and the spindles are mounted with heavy kingpins.

Zerk type grease fittings have been provided to ensure proper amounts of lubricant reaching wear points.

It is recommended that you follow the maintenance guide and lubrication diagrams for normal maintenance of the assembly. They are located in Sections 4 and 5 of this manual.

The maintenance guide is set up for average use. If the vehicle is subject to long hours of running and heavy work loads the frequency of lubrication and service should be increased accordingly.

Refer to the service and adjustment page 3, Section 10 of this manual for guidance when performing major repairs and adjustments.

The steering worm gear box and steering linkage is similar to those used on It requires very little attention. Refer to this section for autos. disassemble and reassemble Steering Worm Assembly.

Refer to Maintenance Guide and Lubrication diagrams, Sections 4 and 5 for normal care.

If service and adjustments are required, refer to appropriate section of this manual.

REMOVE AND INSTALL WHEEL HUB: ADJUST BEARINGS

- Remove wheel cover 1.
- 2. Remove dust cap
- з. Remove cotter pin and unscrew spindle nut
- Remove outer washer and bearing 4.
- 5. Remove wheel, tire and hub assembly
- Before re-assembly, thoroughly clean the bearings, spindle, and hub assembly. Inspect bearings for wear or damage. Examine inner seal. 6. Replace damaged or worn parts.
- Generously pack bearings with wheel bearing grease. 7.
- Reassemble in reverse order. Adjust wheel bearings before installing 8. cotter pin.
- 9. Adjust wheel bearings by tightening spindle nut until bearing drag barely occurs, then back off spindle nut approximately 1/4 turn. Wheel should turn freely without noticeable bearing end play. 10. Install cotter pin, dust cap and wheel cover.
- 11. Wheel hub has one zerk fitting for periodic lubrication of bearing without disassembling hub. Refer to Lube Chart in Section 4.

SECTION 8 Page 2

B 6-10 SERVICE AND ADJUSTMENT continued FRONT AXLE, STEERING AND TIRES

REMOVE AND INSTALL KING PINS AND BUSHINGS

- 1. Remove wheel and hub from spindle. See preceding subsection.
- 2. Remove ball joints from steering arms. Remove cotter pin and nut, rap stud sharply with soft hammer, or soft block and regular hammer, to loosen tapered stud from steering arm.
- 2a. Disconnect drag link ball joint at Pitman Arm, remove cotter pin and nut, rap stud sharply with soft hammer, or soft block and regular hammer, to loosen tapered stud from Pitman Arm.
- 3. Remove 7/8 lock nut which retains spindle and steering arm assembly to king pin.
- 4. Remove king pin from axle. If it is necessary to force the pin from the axle, use a soft rod, such as bronze or aluminum.
- Remove spindle and steering arm assembly, and thrust bearing, from axle yoke.
- 6. Press bushings from spindle.
- 7. Thoroughly clean bushing housing and king pin before installing new bushings.
- 8. Press bushing into sleeve. If proper press is not available, most automotive supply houses and repair shops have capacity to perform this service.
- 9. Reassemble in reverse order. Lightly oil king pin and tap into place in axle. Where it is necessary to use force to assemble components, use a soft hammer or punch. When yoke and king pin are assembled to axle, drive king pin home to seat serrations into top yolk plate. Install nut to bearly touch lower yoke plate. DO NOT DRAW YOKE PLATES TOGETHER.
- bearly touch lower yoke plate. DO NOT DRAW YOKE PLATES TOGETHER.
 10. After reassembly, tighten ball joints securely. Lubricate bushings and king pin through grease fitting. Adjust wheel bearings as described in preceding subsection. Align front end as described in subsection titled "Align Front End: Adjust Toe-In".

ALIGN FRONT END: ADJUST TOE-IN

- Caster and camber are set at the factory and do not require adjustment. To adjust toe-in, raise front end of vehicle off the ground.
- 2. With a pencil, make a mark around center of tread of tire by holding pencil point against tire while turning wheel. Mark both front tires.
- 3. Lower vehicle to ground. Loosen tie-rod sleeve clamps at each end of tierod so that adjusting sleeve can be turned.
- 4. With wheels in straight forward direction, measure the distance between pencil lines at the front of the tires, and the rear of the tires.
- 5. Adjust the tie-rod sleeve until the distance from mark to mark across the front of the tires is the same as the distance from mark to mark across the rear of the tires.
- 6. Tighten the adjusting sleeve clamp nuts securely, taking care to avoid changing the position of the adjusting sleeve.

REMOVE AND REPLACE BALL JOINT

- 1. Remove cotter pin and nut.
- 2. Loosen sleeve clamp.
- 3. Rap ball joint stud sharply with soft hammer or soft block and regular hammer to loosen tapered stud from steering arm.
- 4. Either measure position of ball joint or count number of threads exposed from sleeve. Remove ball joint by unscrewing from sleeve. Note that one end will be left hand thread and the opposite ball joint will be right hand thread.
- 5. Install new ball joint and position same as the one removed.
- 6. Install tapered stud in steering arm or Pitman Arm.

B 6-1Ø SERVICE AND ADJUSTMENT continued FRONT AXLE, STEERING AND TIRES

REMOVE AND REPLACE BALL JOINT continued

- 7. Replace nut, tighten securely and replace cotter pin before tightening ball joint in Pitman arm. Make any necessary adjustments to coordinate (center) steering wheel when tires are aligned.
- 8. If ball joint replaced is part of the tie-rod, check toe-in and adjust if necessary as described in subsection titled "Align Front End".
- 9. Tighten both sleeve clamps securely.
- 10. Lubricate ball joint through zerk fittings. Refer to Lube Chart in Section 5.

REMOVE AND REPLACE STEERING WORM ASSEMBLY

- 1. Pry steering wheel cap up to expose locknut.
- 2. Use wheel puller to remove steering wheel.
- 3. Remove steering arm with wheel puller.
- 4. Remove the 3 mounting bolts at bottom of steering assembly.
- 5. Remove U-bolt and lift out steering assembly.
- 6. Install steering gear with 3 mounting bolts.
- 7. Install U bolt.
- 8. Align wheels straight ahead.
- 9. Install steering wheel loosely. Center steering gear, turn full left return one and three quarters. Steering gear is now centered.
- 10. Install arm.
- 11. Center steering wheel and tighten nut.
- 12. Check that you will be able to turn the steering mechanism equally in both directions. If you cannot, it means the steering arm was not properly installed and it will be necessary to remove the arm and replace it in the proper position.
- 13. Lubricate steering worm through zerk fitting located on worm housing.

DISASSEMBLE AND REASSEMBLE STEERING WORM

Refer to Figure 2A, Section 8.

B 6-10 SERVICE AND ADJUSTMENT FRONT AXLE, STEERING AND TIRES continued

TIRE CARE:

Tire pressure is governed by how you want your vehicle to ride and the terrain to which it is most commonly used upon.

Slightly lower pressure will assist traction on soft terrain without undue wear.

The chart listed below will assist you to determine the correct tire pressure for your needs.

	ŤĬ	RE INFI	LATION C	CHART			
	TIRE	LOAD	RATING I	MAXIMUM	5 MPH	10MPH	15MPH
		EQU	IVALENT	(COLD)	MAXIMUM		
TIRE		LOAD		INFLATION	LOAD		
SIZE	TYPE	RANGE	RATING	P.S.I.	POUNDS		
4.80-8/400-8	HIGHWAY TREAD	A	2	35	64Ø	505	470
4.80-8/400-8	HIGHWAY TREAD	B	4	70	960	760	710
4.80-8/400-8	STEELGUARD	C	6	100	1220	960	895
5.70-8/500-8	HIGHWAY TREAD	B	4	60	1240	980	915
5.70-8/500-8	HIGHWAY TREAD	C	6	90	1520	1240	1160
5.70-8/500-8	STEELGUARD	D	8	100	1860	1470	1370
16 X 6.50 X 8	TERRA TIRE	В	4	28	1	620	1
18 X 8.50 X 8	TERRA TIRE	В	4	22	İ	815	1
18 X 9.50 X 8	TERRA TIRE	B	4	24	İ	1040	†

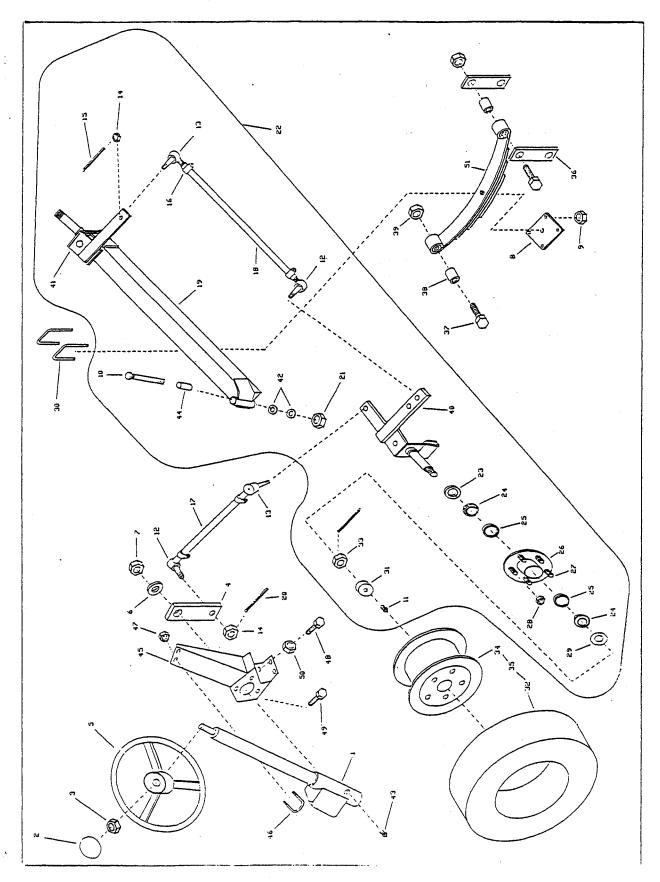
THE INFLATION AND LOAD RATINGS MOLDED ON HIGHWAY TREAD TIRES, PER FEDERAL STANDARD FMVSS-119, ARE FOR MAXIMUM HIGHWAY SPEEDS AND DO NOT APPLY TO THIS LOW SPEED VEHICLE.

TAYLOR-DUNN MANUFACTURING COMPANY

<u>CAUTION:</u> Do not over-inflate tires as this will promote increased wear. Under inflation especially on hard surfaces also promotes undue wear and should be avoided.

SECTION 8 Page 5

B 6-1Ø FRONT AXLE AND STEERING FIGURE 2



SECTION 8 Page 6

FRONT AXLE AND STEERING B 6-1Ø FIGURE 2

	· · · · · · · · · · · · · · · · · · ·		
ID.NO.	PART NO.	DESCRIPTION	QTY.
1	18-311-00	Steering Gear, 27 In. Tube	1
2	19-011-25	Cover, Steering Wheel	1
3	88-199-82	5/8 NF Hex Jam Nut	1
4	18-111-00	Arm, Steering 5-3/4	1
4	19-011-20	Wheel, Steering	1
6	88-188-62	5/8 Lock Washer	1
7	88-199-81	5/8 NF Hex Nut	1
8	16-865-02	Plate, $1-3/4$ Spring x 2 Sq. Axle	2
9	88-109-81	3/8 NC Locknut	8
ıø	21-020-00	King Pin	2
10	21-020-00	King Fin	4
11	87-074-00	Grease Fittings	6
12	86-501-98	Ball Joint, Lt.	2
13	86-501-99	Ball Joint, Rt.	2
14	88-159-85	1/2-20 NF Hex, Slotted	1
15	88-527-11	Cotter Pin	5
			-
16	86-510-00	Clamp, Ball Joint	4
17	18-057-11	Sleeve, Steering	1
18	18-041-00	Sleeve, Steering	1
19	15-210-00	Weldment, Axle, Front	1
2Ø	18-527-14	Cotter Pin	2
21	88-189-81	5/8 NC Locknut	2
22	15-210-10	Assembly, Front Axle	1
23	45-338-00	Oil Seal	2
24	80-017-00	Tapered Roller Bearing	2
25	80-103-00	Tapered Bearing Race	2
26	10 104 10		2
26	12-124-10	Front Hub	2
27	96-329-00	Lug Bolt	10
28	97-236-00	Lug Nut	10
29	88-228-60	3/4 Washer	2
3Ø	96-123-00	U Bolt	4
31	92-104-00	Dust Cap	l
32,34,35	13-752-00	Ass'y, Tire, Whl, 18 x 8.50 x 8	Ø or 2
02/04/00	13-742-20	Ass'y, Tire, Whl, 5.70 x 8 Load Range B, HT	Ø or 2
	13-734-12	Ass'y, Tire, Whi, 4.80 x 8 Load Range B, HT	Ø or 2
33	11-040-00	Tube, 5.70×8	Ø or 2
55	11-040-00	Tube, 5.70 x 8	0 01 2
. 36	16-87Ø-1Ø	Link-Plate, 2-1/4, Zinc Plated	4
37	96-248-00	Bolt-Shackle, 9/16 x 3	6
38	32-213-00	Bushing, Nylon	6
39	88-179-86	9/16-18 NF 2B, Locknut	6
40	14-210-98	Spindle, Weldment, Lt.	1

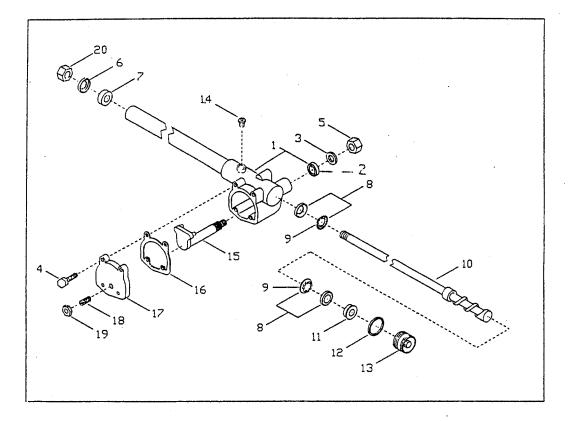
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SECTION 8 Page 7

FRONT AXLE AND STEEERING B 6-10 continued FIGURE 2

ID.NO.	PART NO.	DESCRIPTION	QTY.
41	14-210-99	Spindle, Weldment, Rt.	1
42	97-180-55	Thrust Washer	4
43	87-077-00	Grease Fitting	1
44	32-240-55	Bushing	4
45	00-210-16	Mount Weldment, Steering Gear	1
46	02-210-34	Spacer, Steering Column	l
47	96-102-00	U-bolt, Steering Column Shaft	1
48	88-089-81	5/16 NC Locknut	2
49	88-151-16	$1/2 \ge 2$ NF Hex Screw, Gr. 5	1
5Ø	88-151-13	$1/2 \times 1-1/4$ NF Hex Screw	1
51	88-159-82	1/2 NF Jam Nut	2
52	85-512-00	Spring, Leaf, 1-3/4 WIDE X 27-3/8 Eye to Eye	2

STEERING WORM ASSEMBLY FIGURE 2A



STEERING WORM ASSEMBLY

FIG. I.D.	PART NO.	DESCRIPTION	QTY.
1	18-311-80	HOUSING, WITH SEAL AND COLUMN (45-350-00)	1
2	18-311-59	• •	1
3 4 5	88-188-62	5/8 LOCK WASHER	ī
4		5/16 X 7/8 NC HEX SCREW	4
5	88-199-80	5/8 NUT	4
6	97-200-00	COVER, DUST	l l
7 8	18-311-55		ī
8	18-311-56	BALL CUP KIT	2 2
9	18-311-53	CUP-BALL	2
1Ø	18-311-50	CAM AND TUBE ASSEMBLY	1
11	41-972-00		1
12	18-311-7Ø		· · · 1
13		1-7/8 LOCK NUT	1
14		GREASE FITTING	1
15	18-311-78	LEVER SHAFT ASSEMBLY	1
		(INCLUDES: 88-188-82 & 88-190-80)	
16	18-311-58		1
17		SIDE COVER	1
18		ADJUSTING SCREW	1
19		1/2 NF JAM NUT	1
2Ø	88-199-82	5/8 NF HEX JAM NUT	1

SECTION 9 Page 1

MAINTENANCE PROCEDURES CARBURETOR

For simple adjustments it is not necessary to remove carburetor from engine. Refer to Maintenance Guide Checklist, Section 4 for required servicing.

- 1. Turn pilot screw in, to a slightly seated position. CAUTION: Avoid turning pilot screw too hard to avoid damaging the tapered portion of the pilot screw, resulting in low speed performance.
- 2. Turn pilot 1-1/2 turns out and make test run.
- 3. Dependent on terrain and weather, adjust the low speed properly by loosening or tightening the pilot screw in 1/8 - 1/4 turn increments. NOTE: Clockwise turning makes the mixture leaner and counterclockwise makes the mixture richer.

IDLING SPEED ADJUSTMENT

When the accelerator pedal is released, the engine will stop. For this reason it is impossible to measure the idling speed under normal conditions.

- 1. Make sure the Pilot Screw is 1-1/2 turns out.
- 2. Loosen the carburetor throttle stop screw to clear the throttle arm.
- 3. Slowly tighten the Throttle Stop Screw until it has lightly touched the throttle arm, and give another two turns.
- NOTE: The standard setting for the Throttle Stop Screw is 2 turns in. However, if additional riding qualities are required the Throttle Stop Screw setting can be 4 turns in.

CARBURETOR REMOVAL

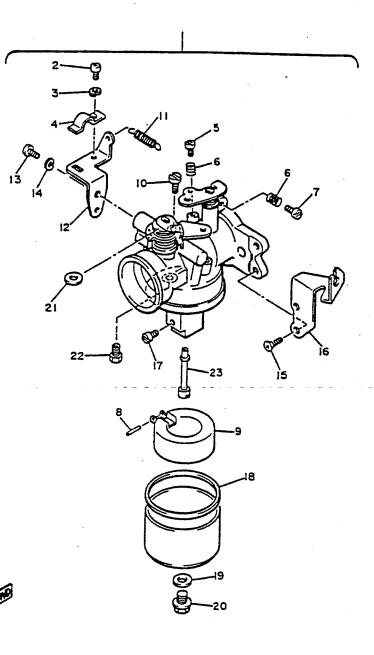
(Required for major overhaul, ie; Gaskets, Jet Replacement or other parts replacement.)

1.	Disconn	nect fuel hose
2.	Loosen	choke cable clamp screw
з.	Remove	cotter pin (from clevis pin)
4.	Remove	clevis pin
5.	Remove	choke cable
6.	Remove	circlip
7.	Remove	cotter pin (from clevis pin)
8.	Remove	throttle cable
9.	Loosen	carburetor joint clamp screws
1Ø.	Remove	carburetor body nuts
11.	Remove	carburetor assembly
12	Remove	gasket

Reinstall in reverse order of assembly after necessary work has been completed.

SECTION 9 Page 2

DRAWING CARBURETOR FIGURE 3



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SECTION 9 Page 3

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CARBURETOR PARTS LIST

$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ITEM NO.	PART NUMBER	DESCRIPTION	QT	¥.
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		J38-14101-00-00	CARBURETOR ASSEMBLY	1	
3 92990-05100-00 WASHER, SPRING 4 J10-14243-00-00 PLATE 5 75G-14211-00-00 SCREW, PILOT ADJUSTING 6 620-14212-00-00 SPRING, PILOT ADJUSTING 7 J10-14122-00-00 SCREW, THROTTLE 8 J38-14186-00-00 PIN, FLOAT 9 J38-14185-00-00 FLOAT 10 620-14142-72-00 JET, PILOT (#72.5) 11 J38-14133-00-00 SPRING, THROTTLE STOP 12 J38-14581-00-00 BRACKET 13 92503-06010-00 WASHER, SPRING (92501-06010) (92501-06010) 14 92903-06100-00 BRACKET 15 98702-05008-00 SCREW, FLAT HEAD 16 J38-14291-00-00 BRACKET 1 17 3G2-1423E-42-00 JET, MAIN (#106.3) 18 796-14184-00-00 GASKET, FLOAT CHAMBER 19 127-14198-00-00 GASKET 20 7R1-14162-00-00 BOLT, HOLDING 21 J10-14597-00-00 WASHER	2	98501-05010-00	SCREW, PAN HEAD	1	
4 J1Ø-14243-ØØ-ØØ PLATE 5 75G-14211-ØØ-ØØ SCREW, PILOT ADJUSTING 6 62Ø-14212-ØØ-ØØ SPRING, PILOT ADJUSTING 7 J1Ø-14122-ØØ-ØØ SCREW, THROTTLE 8 J38-14186-ØØ-ØØ PIN, FLOAT 9 J38-14185-ØØ-ØØ FLOAT 10 62Ø-14142-72-ØØ JET, PILOT (‡72.5) 11 J38-14133-ØØ-ØØ SPRING, THROTTLE STOP 12 J38-14581-ØØ-ØØ BRACKET 13 925Ø3-Ø6010-ØØ SCREW. PAN HEAD (925Ø1-Ø6010) (92901-Ø6100) 14 929Ø3-Ø6100-ØØ BRACKET 15 987Ø2-Ø5ØØ8-ØØ SCREW, FLAT HEAD 16 J38-14291-Ø0-ØØ BRACKET 1 17 3G2-1423E-42-ØØ JET, MAIN (‡1Ø6.3) 18 796-14184-00-ØØ GASKET, FLOAT CHAMBER 19 127-14198-ØØ-ØØ GASKET 20 7R1-14162-ØØ-ØØ BOLT, HOLDING 21 J1Ø-14597-ØØ-ØØ WASHER			(98503-05008-00)		
5 75G-14211-00-00 SCREW, PILOT ADJUSTING 6 620-14212-00-00 SPRING, PILOT ADJUSTING 7 J10-14122-00-00 SCREW, THROTTLE 8 J38-14186-00-00 PIN, FLOAT 9 J38-14185-00-00 FLOAT 10 620-14212-72-00 JET, PILOT (#72.5) 11 J38-14133-00-00 SPRING, THROTTLE STOP 12 J38-14581-00-00 BRACKET 13 92503-06010-00 SCREW. PAN HEAD (92501-06010) (92901-06100) 14 92903-06100-00 BRACKET 15 98702-05008-00 SCREW, FLAT HEAD 16 J38-14291-00-00 BRACKET 1 17 3G2-1423E-42-00 JET, MAIN (#106.3) 18 796-14184-00-00 GASKET, FLOAT CHAMBER 19 127-14198-00-00 GASKET 20 7R1-14162-00-00 BOLT, HOLDING 21 J10-14597-00-00 WASHER	3	92990-05100-00	WASHER, SPRING	1	
<pre>8 J38-14186-00-00 PIN, FLOAT 9 J38-14185-00-00 FLOAT 10 620-14142-72-00 JET, PILOT (#72.5) 11 J38-14133-00-00 SPRING, THROTTLE STOP 12 J38-14581-00-00 BRACKET 13 92503-06010-00 SCREW. PAN HEAD (92501-06010) 14 92903-06100-00 WASHER, SPRING (92901-06100) 15 98702-05008-00 SCREW, FLAT HEAD 16 J38-14291-00-00 BRACKET 1 17 3G2-1423E-42-00 JET, MAIN (#106.3) 18 796-14184-00-00 GASKET, FLOAT CHAMBER 19 127-14198-00-00 GASKET 20 7R1-14162-00-00 BOLT, HOLDING 21 J10-14597-00-00 WASHER</pre>		J10-14243-00-00	PLATE	1	
<pre>8 J38-14186-00-00 PIN, FLOAT 9 J38-14185-00-00 FLOAT 10 620-14142-72-00 JET, PILOT (#72.5) 11 J38-14133-00-00 SPRING, THROTTLE STOP 12 J38-14581-00-00 BRACKET 13 92503-06010-00 SCREW. PAN HEAD (92501-06010) 14 92903-06100-00 WASHER, SPRING (92901-06100) 15 98702-05008-00 SCREW, FLAT HEAD 16 J38-14291-00-00 BRACKET 1 17 3G2-1423E-42-00 JET, MAIN (#106.3) 18 796-14184-00-00 GASKET, FLOAT CHAMBER 19 127-14198-00-00 GASKET 20 7R1-14162-00-00 BOLT, HOLDING 21 J10-14597-00-00 WASHER</pre>	5	75G-14211-00-00	SCREW, PILOT ADJUSTING	1 2	
<pre>8 J38-14186-00-00 PIN, FLOAT 9 J38-14185-00-00 FLOAT 10 620-14142-72-00 JET, PILOT (#72.5) 11 J38-14133-00-00 SPRING, THROTTLE STOP 12 J38-14581-00-00 BRACKET 13 92503-06010-00 SCREW. PAN HEAD (92501-06010) 14 92903-06100-00 WASHER, SPRING (92901-06100) 15 98702-05008-00 SCREW, FLAT HEAD 16 J38-14291-00-00 BRACKET 1 17 3G2-1423E-42-00 JET, MAIN (#106.3) 18 796-14184-00-00 GASKET, FLOAT CHAMBER 19 127-14198-00-00 GASKET 20 7R1-14162-00-00 BOLT, HOLDING 21 J10-14597-00-00 WASHER</pre>	6	620-14212-00-00	SPRING, PILOT ADJUSTING	2	
10 620-14142-72-00 JET, PILOT (#72.5) 11 J38-14133-00-00 SPRING, THROTTLE STOP 12 J38-14581-00-00 BRACKET 13 92503-06010-00 SCREW. PAN HEAD (92501-06010) (92501-06010) 14 92903-06100-00 WASHER, SPRING (92901-06100) (92901-06100) 15 98702-05008-00 SCREW, FLAT HEAD 16 J38-14291-00-00 BRACKET 1 17 3G2-1423E-42-00 JET, MAIN (#106.3) 18 796-14184-00-00 GASKET, FLOAT CHAMBER 19 127-14198-00-00 GASKET 20 7R1-14162-00-00 BOLT, HOLDING 21 J10-14597-00-00 WASHER	7	J10-14122-00-00	SCREW, THROTTLE	1	
10 620-14142-72-00 JET, PILOT (#72.5) 11 J38-14133-00-00 SPRING, THROTTLE STOP 12 J38-14581-00-00 BRACKET 13 92503-06010-00 SCREW. PAN HEAD (92501-06010) (92501-06010) 14 92903-06100-00 WASHER, SPRING (92901-06100) (92901-06100) 15 98702-05008-00 SCREW, FLAT HEAD 16 J38-14291-00-00 BRACKET 1 17 3G2-1423E-42-00 JET, MAIN (#106.3) 18 796-14184-00-00 GASKET, FLOAT CHAMBER 19 127-14198-00-00 GASKET 20 7R1-14162-00-00 BOLT, HOLDING 21 J10-14597-00-00 WASHER	8	J38-14186-00-00	PIN, FLOAT	1	
11 J38-14133-00-00 SPRING, THROTTLE STOP 12 J38-14581-00-00 BRACKET 13 92503-06010-00 SCREW. PAN HEAD (92501-06010) (92501-06010) 14 92903-06100-00 WASHER, SPRING (92901-06100) (92901-06100) 15 98702-05008-00 SCREW, FLAT HEAD 16 J38-14291-00-00 BRACKET 1 17 3G2-1423E-42-00 JET, MAIN (#106.3) 18 796-14184-00-00 GASKET, FLOAT CHAMBER 19 127-14198-00-00 GASKET 20 7R1-14162-00-00 BOLT, HOLDING 21 J10-14597-00-00 WASHER	9	J38-14185-00-00	FLOAT	1	
12 J38-14581-ØØ-ØØ BRACKET 13 925Ø3-Ø6Ø1Ø-ØØ SCREW. PAN HEAD (925Ø1-Ø6Ø1Ø) (925Ø1-Ø6Ø1Ø) 14 929Ø3-Ø61ØØ-ØØ WASHER, SPRING (929Ø1-Ø61ØØ) (92901-Ø61ØØ) 15 987Ø2-Ø5ØØ8-ØØ SCREW, FLAT HEAD 16 J38-14291-ØØ-ØØ BRACKET 1 17 3G2-1423E-42-ØØ JET, MAIN (#1Ø6.3) 18 796-14184-ØØ-ØØ GASKET, FLOAT CHAMBER 19 127-14198-ØØ-ØØ BOLT, HOLDING 20 7R1-14162-ØØ-ØØ BOLT, HOLDING 21 J10-14597-ØØ-ØØ WASHER				1	
13 92503-06010-00 SCREW. PAN HEAD (92501-06010) (92901-06000) 14 92903-06100-00 WASHER, SPRING (92901-06100) (92901-06100) 15 98702-05008-00 SCREW, FLAT HEAD 16 J38-14291-00-00 BRACKET 1 17 3G2-1423E-42-00 JET, MAIN (#106.3) 18 796-14184-00-00 GASKET, FLOAT CHAMBER 19 127-14198-00-00 GASKET 20 7R1-14162-00-00 BOLT, HOLDING 21 J10-14597-00-00 WASHER		J38-14133-00-00	SPRING, THROTTLE STOP	1	
(92501-06010) 14 92903-06100-00 WASHER, SPRING (92901-06100) 15 98702-05008-00 SCREW, FLAT HEAD 16 J38-14291-00-00 BRACKET 1 17 3G2-1423E-42-00 JET, MAIN (#106.3) 18 796-14184-00-00 GASKET, FLOAT CHAMBER 19 127-14198-00-00 GASKET 20 7R1-14162-00-00 BOLT, HOLDING 21 J10-14597-00-00 WASHER		J38-14581-00-00	BRACKET	1	
14 92903-06100-00 WASHER, SPRING (92901-06100) 15 98702-05008-00 SCREW, FLAT HEAD 16 J38-14291-00-00 BRACKET 1 17 3G2-1423E-42-00 JET, MAIN (#106.3) 18 796-14184-00-00 GASKET, FLOAT CHAMBER 19 127-14198-00-00 GASKET 20 7R1-14162-00-00 BOLT, HOLDING 21 J10-14597-00-00 WASHER	13	92503-06010-00	SCREW. PAN HEAD	1	
(92901-06100) 15 98702-05008-00 SCREW, FLAT HEAD 16 J38-14291-00-00 BRACKET 1 17 3G2-1423E-42-00 JET, MAIN (#106.3) 18 796-14184-00-00 GASKET, FLOAT CHAMBER 19 127-14198-00-00 GASKET 20 7R1-14162-00-00 BOLT, HOLDING 21 J10-14597-00-00 WASHER			(92501-06010)	1	
15 98702-05008-00 SCREW, FLAT HEAD 16 J38-14291-00-00 BRACKET 1 17 3G2-1423E-42-00 JET, MAIN (#106.3) 18 796-14184-00-00 GASKET, FLOAT CHAMBER 19 127-14198-00-00 GASKET 20 7R1-14162-00-00 BOLT, HOLDING 21 J10-14597-00-00 WASHER	14	92903-06100-00	WASHER, SPRING	1	
16 J38-14291-00-00 BRACKET 1 17 3G2-1423E-42-00 JET, MAIN (#106.3) 18 796-14184-00-00 GASKET, FLOAT CHAMBER 19 127-14198-00-00 GASKET 20 7R1-14162-00-00 BOLT, HOLDING 21 J10-14597-00-00 WASHER			(92901-06100)	1	
<pre>17 3G2-1423E-42-00 JET, MAIN (#106.3) 18 796-14184-00-00 GASKET, FLOAT CHAMBER 19 127-14198-00-00 GASKET 20 7R1-14162-00-00 BOLT, HOLDING 21 J10-14597-00-00 WASHER</pre>	15	98702-05008-00	SCREW, FLAT HEAD	2	
<pre>18 796-14184-00-00 GASKET, FLOAT CHAMBER 19 127-14198-00-00 GASKET 20 7R1-14162-00-00 BOLT, HOLDING 21 J10-14597-00-00 WASHER</pre>	16	J38-14291-ØØ-ØØ	BRACKET 1	1	
19 127-14198-00-00 GASKET 20 7R1-14162-00-00 BOLT, HOLDING 21 J10-14597-00-00 WASHER	17	3G2-1423E-42-00	JET, MAIN (#106.3)	1	
20 7R1-14162-00-00 BOLT, HOLDING 21 J10-14597-00-00 WASHER	18	796-14184-00-00	GASKET, FLOAT CHAMBER	1	
21 J10-14597-00-00 WASHER	19	127-14198-00-00	GASKET	1	
		7R1-14162-00-00	BOLT, HOLDING	1	
		J10-14597-00-00	WASHER	1	
		J38-1415Ø-ØØ-ØØ	NEEDLE ASSEMBLY	· · · 1	
23. J38-14141-00-00 NOZZLE, MAIN	23.	J38-14141-00-00	NOZZLE, MAIN	1	

,

SECTION 9 Page 4

CARBURETOR SPECIFICATIONS

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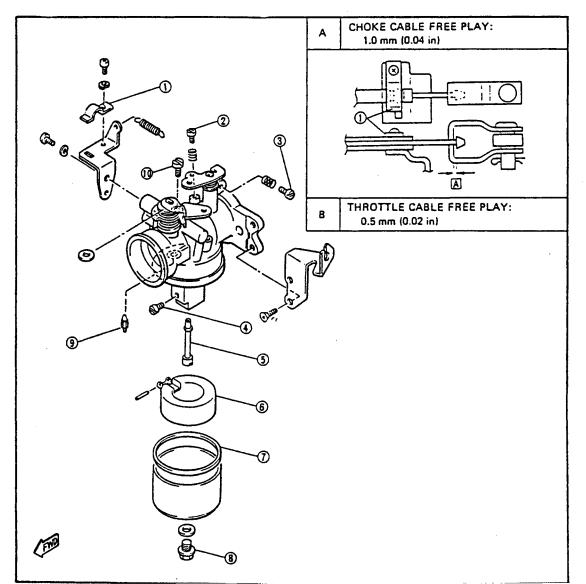
	CARBURETOR
4. 5. 6.	Cable housing clamp Pilot screw (P.S.) Throttle stop screw Main jet (M.J.) Main nozzle Float Float Float chamber cover Cover holding bolt
-	Float needle valve Pilot jet (P.J.)

	SPECIFICATIONS				
Main jet	(M.J.)	#106.3			
Main air jet	(M.A.J.)	2.5			
Pilot jet	(P.J.)	#72.5			
Pilot air jet	(P.A.J.)	1.4			
Throttle valve	(Th.V.)	#120			
Valve seat	(V.S.)	1.2			
By-pass (1)	(B.P. 1)	Ø.7			
By-pass (2)	(B.P. 2)	0.9			
By-pass (3)	(B.P. 3)	Ø.6			
Pilot outlet	(P.O.)	1.0			
Pilot screw	(P.S.)	1-1/2 Turn out			
Float height	(F.H.)	14.5mm(Ø.57 in)			

- NOTE
- \emptyset = DIAMETER

= NUMBER

FIGURE 4



SECTION 9 Page 5

MAINTENANCE PROCEDURES AIR CLEANER (AIR FILTER)

The air filter, a large box with a molded hose assembly is attached to the left side (looking forward) of the carburetor.

Inside the air filter is the element cover and air filter element. The air filter element should be replaced once a year. If the vehicle is operated in a dusty environment, replacement may be required every 6 months.

ELEMENT COVER

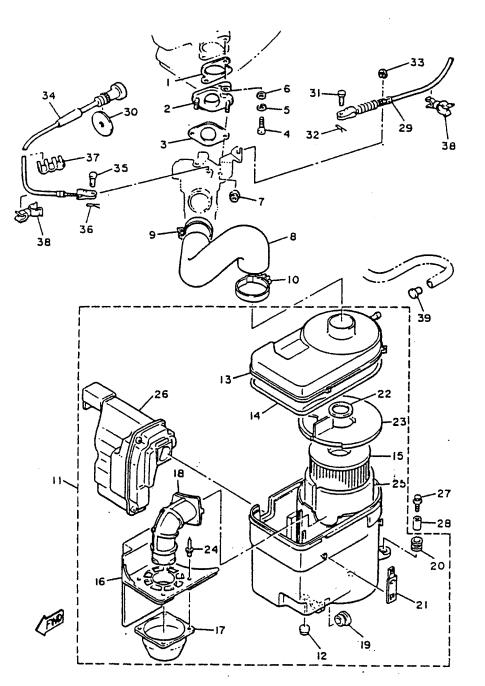
- 1. Remove air filter lid.
- 2. Remove element cover from air filter
- 3. Thoroughly clean the element cover with solvent and allow to dry. **CAUTION:** Do not apply oil to the element cover; resistance to air flow will be increased and adversely affect the performance.

4. Replace element cover and secure air filter lid.

NOTE: Never blow out the air filter element with compressed air or wash with solvent. The oil (on air filter element) will be removed and the engine will be damaged.

SECTION 9 Page 6

AIR CLEANER AND INTAKE FIGURE 5



SECTION 9 Page 7

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ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	J38-13556-00-00	GASKET, MANIFOLD	1
2	J38-13596-00-00	JOINT, CARBURETOR	1
3	J38-13557-00-00	GASKET	1
. 4	92501-06030-00	SCREW, PAN HEAD	2
5	92903-06100-00	WASHER, SPRING (92902-06100)	2 2
6 7	92990-06600-00	WASHER, PLATE	
	90185-06098-00	NUT, SELF LOCKING	2 1
8 9	J38-14453-00-00 90460-43279-00	JOINT, AIR CLEANER 1	
1Ø	90460-43279-00	CLAMP, HOSE CLAMP, HOSE	L T
10	J38-14410-00-00	AIR CLEANER ASS'Y	
12	90480-14100-00	GROMMET	2
13	J38-14412-00-00	CAP, CLEANER CASE 1	1 1 2 1 1
14	J38-14452-00-00	SEAL	1
15	J38-14450-00-00	ELEMENT ASS'Y AIR CLEANER	1
16	J38-14484-00-00	PLATE, CLEANER CASE FITTING	ī
17	J38-14479-00-00	FUNNEL	
18	J38-14419-00-00	PIPE	1
19	90480-18277-00	GROMMET	1 2
2Ø	90480-13238-00	GROMMET	
21	J10-14436-00-00	HOOK	4
22	J38-14416-00-00	GASKET, AIR CLEANER	1
23	J38-1441F-00-00	PARTITION, AIR CLEANER CASE	1
24	90267-40073-00	RIVET, BLIND	4
25	J10-14417-00-00	COVER 1	1 1
26	J38-1446A-00-00	SURGE TANK ASS'Y	
27	92901-04200-00	WASHER, PLAIN	4
28 - <u>29</u> - 30	90119-06097-00	BOLT, W/WASHER	2
30 29	90387-07390-00	COLLAR	2 1
31	J38-2631 2 -00-00	CABLE, THROTTLE 2	1
32	90201-114E6-00 91702-05010-00	WASHER, PLATE PIN, CLEVIS	2
32	90468-10049-00	CLIP	1 2 2 1
34	99001-07600-00	CIRCLIP	1
	J J38 -26331-00-00	CABLE, STARTER 1 CHOKE	
36	91702-05010-00	PIN, CLEVIS	1 1
37	90468-10049-00	•	1
38		CLIP CLIP 90468-07179-00	1
39	90468-80180-00	CLIP	2
	J38-26341-00-00	CABLE	
	J38-26351-00-00	CABLE	
	330-20331-00-00	CADUE	

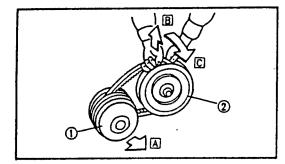
AIR CLEANER AND INTAKE PARTS LIST

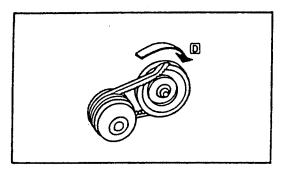
SECTION 1Ø Page 1 SECTION 10 Page 1

B 6-10 POWER TRAIN SHEAVES, REAR AXLE AND TRANSMISSION

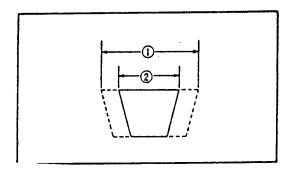
ADJUSTMENT OF DRIVE BELT (ONCE A YEAR)

- CAUTION: Disconnect both battery leads to prevent accidental engagement of power while servicing vehicle.
- Open rear deck (for removal and inspection of drive belt) exposing drive train.
- 3. Set the shift lever to neutral position.
- Pull out the primary sliding sheave l:A.
- 5. Jerk up the belt B, push the belt outward over the edge of the secondary fixed sheave 2:C.





- 6. Rotate the secondary sheave clockwise: D and the belt will roll off the secondary sheave.
- 7. Now slip the belt over the primary sheave for complete belt removal.
- 8. Inspect drive belt for wear and damage. Replace if necessary.
- 9. Measure belt width: Minimum is 1.06 inches (see 2) Wear limit: 1, new belt width 1.22 inches wear limit 2, 1.06 inches (see sketches below)



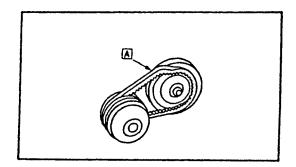
SECTION 10 Page 2

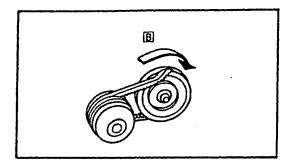
SECTION 10 Page 2

B 6-10 POWER TRAIN SHEAVES, REAR AXLE AND TRANSMISSION

ADJUSTMENT OF DRIVE BELT continued

- 10. Install drive belt: Set shift lever to neutral position. 11.
- Slip the belt over the primary sheave. 12.
- Push the belt frimly into the secondary sheave at about the 10:00 O'clock position, as shown below at 'A'.
- 13. Rotate the secondary sheave clockwise until the belt has rolled into complete position on the secondary sheave, 'B' (see sketches below.



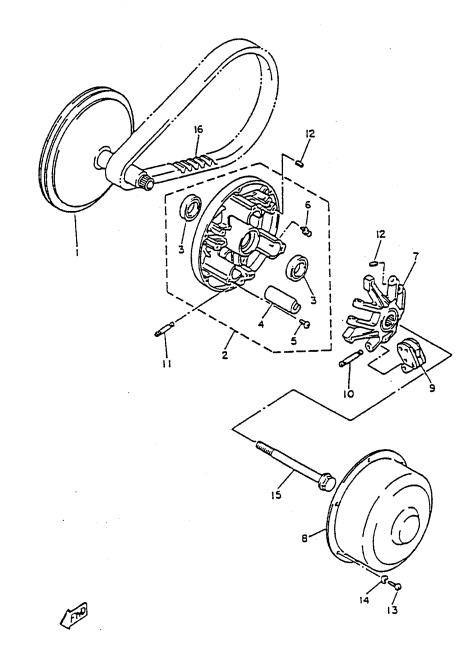


BELT DRIVE INSTALLATION

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> B 6-10 POWER TRAIN SHEAVES, REAR AXLE AND TRANSMISSION PRIMARY SHEAVE - FIGURE 6



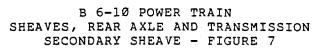
SECTION 10 Page 4

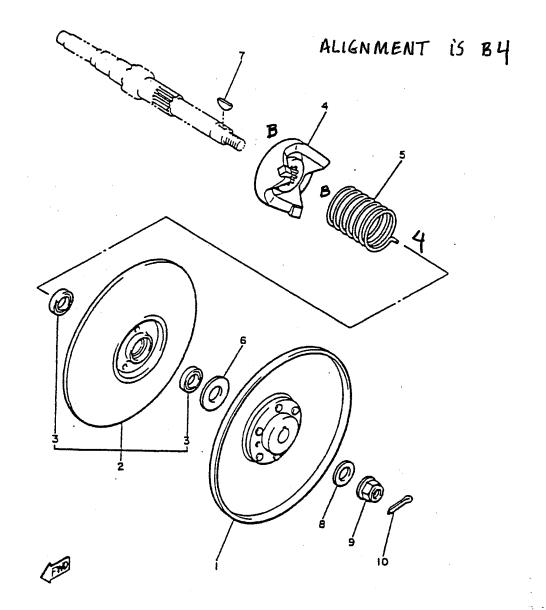
SECTION 10 Page 4

B 6-10 POWER TRAIN SHEAVES, REAR AXLE AND TRANSMISSION PRIMARY SHEAVE PARTS LIST Figure 6

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	J38-46210-00-00	PRIMARY FIXED SHEAVE COMP	1
2	J38-4622Ø-ØØ-ØØ	PRIMARY SLIDING SHEAVE COMP	1
3	93102-28348-00	OIL SEAL	2
4	J38-46253-ØØ-ØØ	SLIDER	3
5	98901-05008-00	SCREW, BIND	3
6	93700-06004-00	NIPPLE, GREASE	l
7	J38-46251-00-00	SPIDER	1
8	J38-46231-00-00	CAP	1
9	J38-46205-00-00	WEIGHT LINK ASSEMBLY	3
1Ø	J38-46236-00-00	PIN, WEIGHT	3
11	J38-46237-ØØ-ØØ	PIN, WEIGHT 2	3
12	90113-04050-00	BOLT, SET	12
13	98501-05010-00	SCREW, PAN HEAD (98503-05008)	6
14	92903-05100-00	WASHER, SPRING (92901-05100)	6
15	J38-46249-ØØ-ØØ	BOLT	1
16	J38-46241-ØØ-ØØ	V-BELT	1

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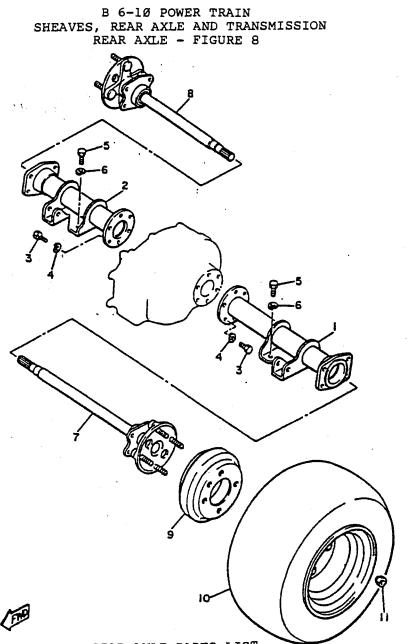




SECONDARY SHEAVE PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	J38-46260-00-00	SECONDARY FIXED SHEAVE COMP	1
2	J38-46270-00-00	SECONDARY SLIDING SHEAVE COMP	1
3	93102-20309-00	OIL SEAL	2
4	J38-46280-00-00	SECONDARY SPRING SEAT COMP	1
5	90508-45679-00	SPRING, TORSION	1
6	90202-20130-00	WASHER, PLATE	1
7	90280-05022-00	KEY, WOODRUFF	1
8	90201-12588-00	WASHER, PLATE	1
9	90185-12093-00	NUT, SELF-LOCKING	· 1
10	91401-25025-00	PIN, COTTER	1

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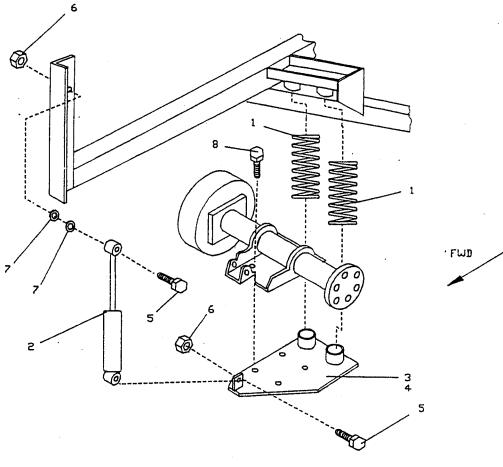


REAR AXLE PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	J38-4654Ø-ØØ-ØØ J38-4655Ø-ØØ-ØØ	REAR AXLE HOUSING COMP REAR AXLE HOUSING COMP 2	 1 1
3	97321-08025-00	BOLT (97322-08025)	12
4 5	92903-08100-00	WASHER, SPRING (92902-08100)	12
6	97321-10020-00 92903-10100-00	BOLT (97322-10020) WASHER, SPRING	8
7	J38-46510-00-00	REAR AXLE SHAFT COMP	1
8 9	J38-46520-00-00 J17-46521-00-00	REAR AXLE SHAFT COMP 2 DRUM	1 2
10	13-743-12	WHEEL ASSY, SPLIT RIM, LR C, HT	2
11	90179-12262-00	NUT	8

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B 6-1Ø POWER TRAIN REAR SUSPENSION FIGURE 8A

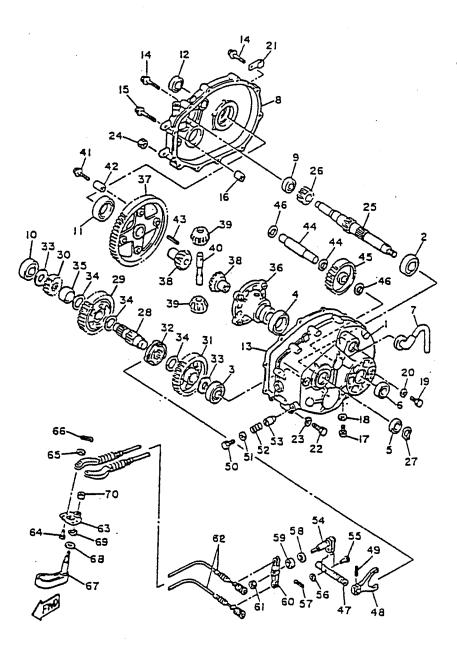


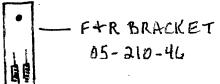


ITEM NO.	PART NO.	DESCRIPTION	QTY.
1 2	85-140-00 86-602-00	COIL SPRING SHOCK ABSORBER	4
3	Ø5-21Ø-4Ø	SPRING/SHOCK MOUNTING PLATE, RIGHT	1
4 5	Ø5-21Ø-2Ø 88-125Ø-17	SPRING/SHOCK MOUNTING PLATE, LEFT $7/16 \times 2-1/4$ HEX HEAD BOLT	4
6 7	88-129-81 88-128-6Ø	7/16 NC LOCKNUT 7/16 WASHER	4 4
8	97522-10430	M 10 X 30MM LONG BOLT	8

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> B 6-10 POWER TRAIN SHEAVES, REAR AXLE AND TRANSMISSION TRANSMISSION - FIGURE 9





B 6-10 POWER TRAIN SHEAVES, REAR AXLE AND TRANSMISSION TRANSMISSION PARTS LIST Figure 9

ITEM	NO.	PART NO.	DESCRIPTION	QTY.
1		J38-46311-00-00	CASE, TRANSMISSION 1	1
2		93306-20541-00	BEARING (B6205)	1
3		93306-20401-00	BEARING (B6204)	1
4		93306-00801-00		1
5		93102-25017-00		l
6		93102-22189-00	OIL SEAL	1
7		835-47559-00-00 J38-46312-00-00	CAP 2	1
8		J38-46312-ØØ-ØØ	CASE, TRANSMISSION 2	. 1
9		93306-20324-00		1
1Ø		93306-20401-00		1
11		93306-00801-00	BEARING (B6ØØ8)	1
12		93102-22189-00	OIL SEAL	1
13			GASKET	1
14		95822-08040-00		8
15		98522-08050-00	BOLT, FLANGE	8 2 1 1
16		91830-22016-00	PIN, DOWEL (91810-05016)	2
17		20240-14020-00	PLUG, STRAIGHT SCREW	1
18		90430-14043-00	GASKET	
19		90101-08344-00	BOLT	1 1
2Ø		90430-08119-00	GASKET	1
21		90465-06011-00	CLAMP	1
22		97322-08075-00	BOLT	1
23		92903-08100-00		1 1 1
24		95301-08600-00	NUT (95302-08600)	
25		J38-46321-00-00	SHAFT, INPUT	1
26		J38-46331-01-00	GEAR. INPUT 1	1
27		93410-25017-00	CIRCLIP	1
28		J38-46351-00-00		1 1 1
29		J38-46361-01-00	GEAR, COUNTER 1	1
30		J38-46362-00-00	GEAR, COUNTER 2	1
31		J38-46363-00-00	GEAR, REVERSE	1
32		J38-4636A-00-00	DOG, CLUTCH	1 2
33		90201-20611-00	WASHER, PLATE	2
34		90201-257J2-00	WASHER, PLATE	3
35		90387-252M8-00	COLLAR	1
36		J38-46411-Ø1-ØØ		1
37		J38-46421-01-00	GEAR, RING	· .1
38		J38-46414-00-00	GEAR, DIFFERENTIAL SIDE	2
39		J38-46415-00-00	PINION, DIFFERENTIAL	2
40		J38-46417-00-00	PIN, DIFFERENTIAL	- 1
41		90105-08390-00		4
42		91812-16001-00	PIN, DOWEL	2
43		91609-40036-00	PIN, SPRING	1
44		J38-46348-00-00	SHAFT 2	1
45 46		J38-46356-00-00	GEAR, IDLER	1
40		90201-17713-00	WASHER, PLATE	3
48		J38-4633A-00-00 J38-46338-00-00	BAR, SHIFT FORK GUIDE	1
40		J38-40338-00-00 91609-40020-00	FORK, SHAFT	1
49 50		90101-08344-00	PIN, SPRING BOLT	1
51		90430-08119-00		1
52		90501-10060-00	GASKET SPRING, COMPRESSION	1
53		90249-07190-00	PIN	1
54		J38-46384-00-00	LEVER, SHIFT 3	1
55		91702-06022-00	PIN, CLEVIS	1
56		92903-06200-00	WASHER (92902-06200)	1
				1

SECTION 1Ø Page 1Ø

SECTION 10 Page 10

B 6-10 POWER TRAIN SHEAVES, REAR AXLE AND TRANSMISSION TRANSMISSION PARTS LIST Figure 9

ITEM	NO.	PART NO.	DESCRIPTION	QTY.
57		91401-20015-00	PIN, COTTER	1
58		90201-12166-00	WASHER, PLATE	1
59		93102-12224-00	OIL SEAL	1
60		J38-46383-ØØ-ØØ	LEVER, SHIFT 2	1
61		95601-08100-00	NUT, U (95601-08100)	1
62	J47	-J38-46371-00-00	WIRE, SHIFT	2
63		J38-46382-ØØ-ØØ	LEVER, SHIFT 1	1
64		91702-06014-00	PIN, CLEVIS	2
65		92990-06600-00	WASHER, PLATE	2
66		91401-20015-00	PIN, COTTER	2
67		J38-46381-ØØ-ØØ	KNOB, SHIFT	1
68		90201-12729-00	WASHER, PLATE	1
69		99001-08600-00	CIRCLIP	1
7Ø		95601-08100-00	NUT, U (95602-08100)	1

SECTION 11 Page 1

B 6-1Ø BRAKE SYSTEM

The B 6-10 vehicle is equipped with rear (pair) wheel, mechanical drum brakes. The brakes are controlled through interconnecting linkage to the foot brake pedal. See Section 13, Mechanical Control Linkage.

When the brake pedal is depressed, the brakes will be applied in proportion to the force applied to the brake pedal.

PARKING BRAKE: Is a hand lever actuated brake located between the front seats. Pulling directly up on the hand lever, sets park brake. Depressing handle button moving down on handle releases brake. See Section 13, Mechanical Control Linkage.

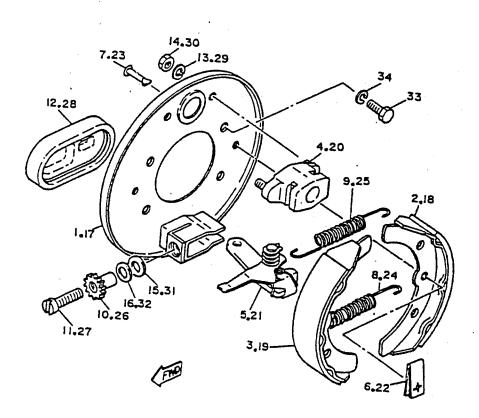
INSPECTION (See Section 4 for maintenance interval)

CAUTION: Turn key to "OFF" and remove. Apply parking brake. Loosen the wheel nuts. Jack up the rear of vehicle. Release parking brake (depress accelerator pedal).

- 1. Remove wheel, wheel nuts and rear wheel
- 2. Inspect lining surface for scratches and/or oil. Clean completely with a non oily solvent. Polish with emery cloth. For scratches; lightly polish with emery cloth.
- 3. Measure lining thickness. Replace lining at .060 inches.
- 4. Remove brake drum. Screw in the (2) 10 mm bolts to loosen drum).5. Inspect brake drum, same as step 2 above.
- 6. Measure inside diameter of drum. The wear limit is 6.34 inches.
- 7. Inspect brake shoe plate for bends, cracks or damage. Replace.
- 8. Inspect dust cover for cracks and wear, replace,
- 9. CHECK: Self adjusting device (items 10, 11, 5 on Figure 10) adjusting bolt and nut, brake lever assembly and lever hoder. Any items worn or damaged should be replaced. Unsmooth movement, lubricate with lighweight grease.

SECTION 11 Page 2

B 6-10 BRAKE SYSTEM DRUM BRAKE - FIGURE 10



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B 6-1Ø BRAKE SYSTEM DRUM BRAKE - FIGURE 1Ø

ITEM NO.	PART NO.	DESCRIPTION	QTY.
		BACKING PLATE SUB ASSEMBLY 1	1
2	J17-25330-00-00		1
3	J17-2534Ø-ØØ-ØØ		1 1
4		ANCHOR BODY COMP	
5	J38-27204-00-00		1 2
6 7		SPRING, SHOE CLAMP	
		PIN, SHOE HOLD DOWN	2 1
8 9	90506-20281-00 90506-26191-00	SPRING, TENSION SPRING, TENSION	
ıø	J17-27238-00-00		1
	90109-08657-00	BOLT	
	J10-27286-00-00		1
	29203-06100-00		2
	95302-06600-00	NUT	2
15	90201-121H8-00	WASHER, PLATE	1
16	90201-12149-00	WASHER, PLATE	1
17	J17-27209-00-00	BACKING PLATE SUB ASSEMBLY 2	1
18	J17-25330-00-00	BRAKE SHOE COMP.	1
19	J17-25234-00-00	BRAKE SHOE COMP.	1
2Ø	J17-27206-00-00 J38-26205-00-00	ANCHOR BODY COMP.	1
21	J38-26205-00-00	LEVER ASS'Y 2	1 2
22	J10-27281-00-00	SPRING, SHOE CLAMP	2
23	J10-27282-00-00	PIN, SHOE HOLD DOWN	2
24	90506-20281-00	SPRING, TENSION	1
25		SPRING, TENSION	1
26	J17-27258-00-00	NUT, ADJUSTING	1
27	90109-08659-00	BOLT	1
28	J10-27286-00-00	COVER, DUST	1
29	92903-06100-00	WASHER, SPRING (92909-06100)	2 2
3Ø	95302-06600-00	NUT	
31	90201-121H8-00	WASHER, PLATE	1
32 33	90201-121H9-00 97313-09016-00	WASHER, PLATE	
		BOLT (97322-07016)	8 8
34	92903-08100-00	WASHER, SPRING (92902-08100)	8

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B 6-10 ENGINE

GENERAL INFORMATION:

The engine in this vehicle is 8.6 HP @ 4000 RPM 285 cc 4 stroke gasoline OHV, single cylinder, force air cooled with a governor.

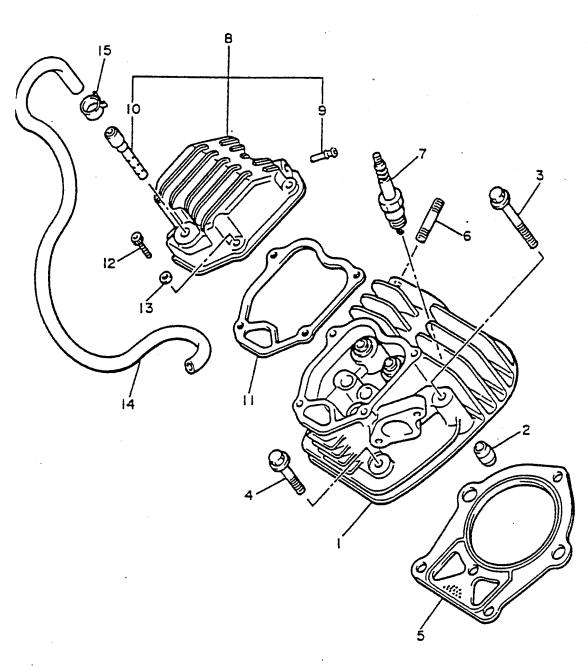
No major repairs or maintenance other than periodic servicing are documented in this manual. The same is true of the transmission.

For major repairs and maintenance of the engine and transmission the Yamaha service manual G2-A part no. LIT-11616-04-90 should be used in place of this manual.

The engine is made up of several sub-assemblies. The engine subassemblies found in this section are:

> CRANKCASE CRANKSHAFT CYLINDER EXHAUST FAN GOVERNER PISTON VALVE ENGINE BRACKET

SECTION 12 Page 2



B 6-10 ENGINE CYLINDER FIGURE 11

SECTION 12 Page 3

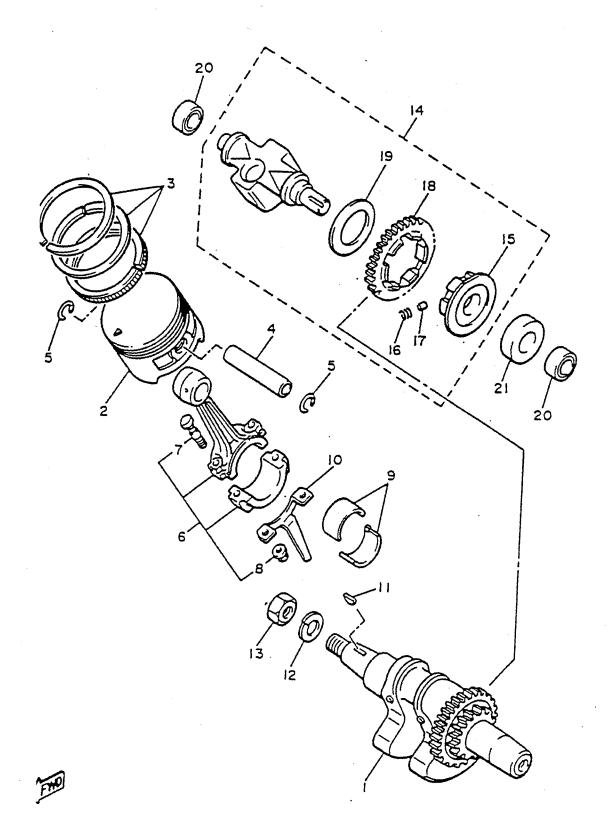
B 6-10 ENGINE

CYLINDER PARTS LIST - FIGURE 11

ITEM NO	PART NO.	DESCRIPTION	QTY.
1	J389Y1111-00-00	CYLINDER HEAD ASSEMBLY	l
2 3	91830-22016-00 95812-0807-00	PIN, DOWEL (91810-05016) BOLT, FLANGE	2
4	95812-08045-00	BOLT, FLANGE	3
5 6	J38-11181-00-00 95622-08618-00	GASKET, CYLINDER HEAD 1 BOLT, STUD	1
7	NGK-B5ESØ-ØØ-ØØ	PLUG, SPARK	1
8 9	J38-11101-00-00 J38-11116-00-00	COVER, SYLINDER HEAD 1 JOINT, BREATHER	1
10	J38-24461-00-00	PIPE, JOINT	1
11 12	J38-11193-00-00 91312-06025-00	GASKET, HEAD COVER 1 BOLT	1 4
13	92990-06600-00	WASHER, PLATE	4
14 15	J38-11166-00-00 90467-12053-00	PIPE, BREATHER 1 CLIP	1 2

SECTION 12 Page 4

B 6-10 ENGINE CRANKSHAFT-PISTON FIGURE 12



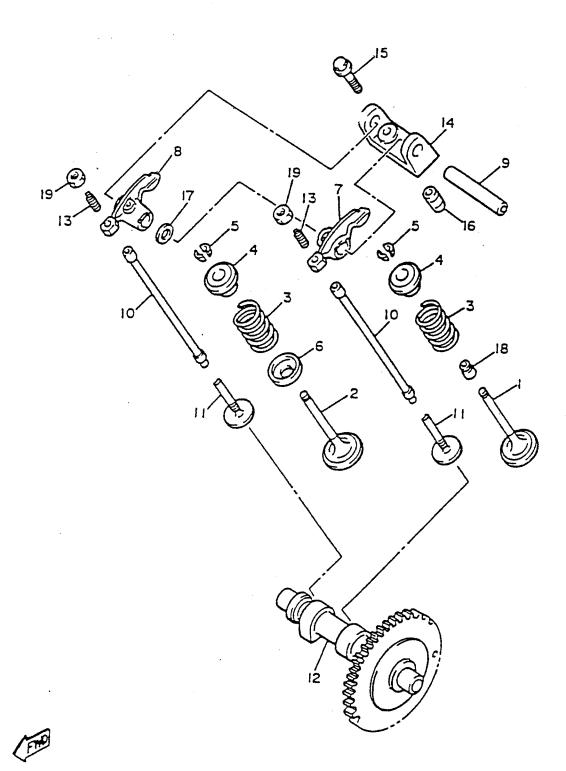
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B 6-10 ENGINE CRANKSHAFT-PISTON PARTS LIST FIGURE 12

ITEM	NO. PART NO.	DESCRIPTION	QTY.
1 2		• • •	1 1 1 1
[′] 3	J38-11610-00-	00 PISTON RING SET (STD) 00 PISTON RING SET (1ST O/S)	1 1 1
4	2F1-11633-00-		1
5 6 7 8		00 CONNECTING ROD ASSEMBLY 00 BOLT, CONNECTING ROD	2 1 2 2 2
9		00 BEARING, CON-ROD (BROWN) 00 BEARING, CON-ROD (BLACK) 00 BEARING, CON-ROD (BLUE)	2 2 2
10	J38-11657-00-	00 SPLASHER, OIL	1
11 12		Ø KEY, WOODRUFF	1
12	92901-16100-0 90170-16182-0	· · · · · · · · · · · · · · · · · · ·	1
14		00 BALANCER ASSEMBLY	- 1
15		ØØ BOSS, BUFFER	1
16	90501-21133-0	· ···· · · ······	6
17 18	93605-10090-0		נ ר
10	J38-11531-00- 90201-201G9-0		1
Źø	93318-31507-0		2
21	90387-152M7-0	Ø COLLAR	1

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B 6-10 ENGINE VALVE FIGURE 13



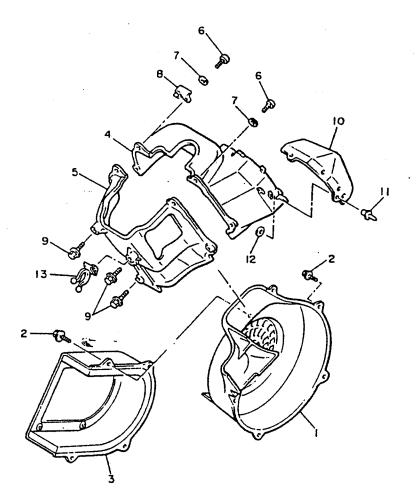
SECTION 12 Page 7

B 6-10 ENGINE VALVE PART LIST FIGURE 13

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	J38-12111-00-00	VALVE, INTAKE	1
2	J38-12121-00-00	VALVE, EXHAUST	1
3	90501-264A9-00	SPRING, COMPRESSION	2
4	J38-12117-00-00	RETAINER, VALVE SPRING	2
5	4GØ-12118-ØØ-ØØ	COTTER, VALVE	4
6	J38-12219-00-00	SEAT, SPRING	l
7	J38-12151-00-00	ARM, VALVE ROCKER	1
8	J38-12161-ØØ-ØØ	ARM, VALVE ROCKER 2	1
9	J38-12156-ØØ-ØØ	SHAFT, ROCKERR 2	1
10	J38-12154-00-00	ROD, VALVE PUSH	2
11	J38-12153-00-00	LIFTER, VALVE	2
12	J38-12171-00-00	CAMSHAFT 1	1
13	J38-12159-00-00	SCREW, VALVE ADJUSTING	2
14	J38-12152-00-00	SUPPORT, ROCKER ARM	l
15	95822-06030-00	BOLT, FLANGE	2
16	91810-09014-00	PIN, DOWEL	2
17	90201-127J1-00	WASHER, PLATE	1
18	5HØ-12119-ØØ-ØØ	SEAL, VALVE STEM	1
19	90170-06128-00	NUT	2

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B 6-1Ø ENGINE AIR SHROUD FIGURE 14



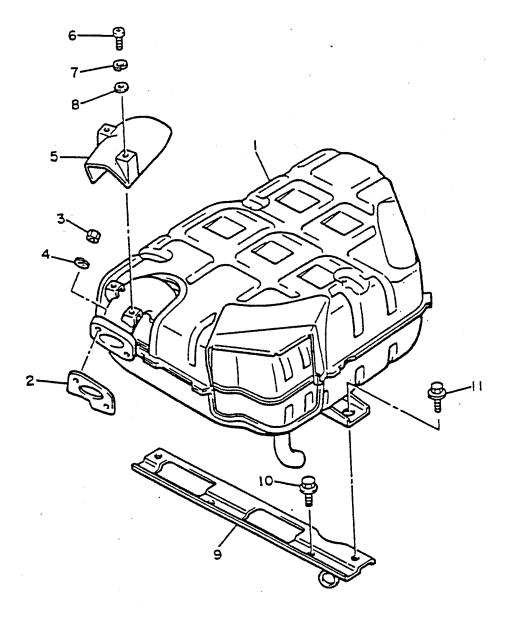
SECTION 12 Page 9

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B 6-10 ENGINE AIR SHROUD - FAN PARTS LIST FIGURE 14

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	J38-12621-00-00	CASE, FAN	1
2	95802-06020-00	BOLT, FLANGE	9
3	J38-12640-00-00	FAN CASE COVER COMP	· 1
4	J38-12651-00-00	AIR SHROUD, CYLINDER 1	l
5	J38-12652-00-00	AIR SHROUD, CYLINDER 2	: 1
6 7	95202-06016-00 92990-06600-00	SCREW, PAN HEAD WASHER, PLATE	4
8 9	90465-10129-00 90105-06124-00	CLAMP	1
10	J38-12631-00-00	BOLT, WASHER BASED DEFLECTOR 1	4
11	90267-48040-00	RIVET, BLIND	2
12	90201-04325-00	WASHER, PLATE	2

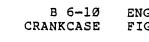
SECTION 12 Page 10



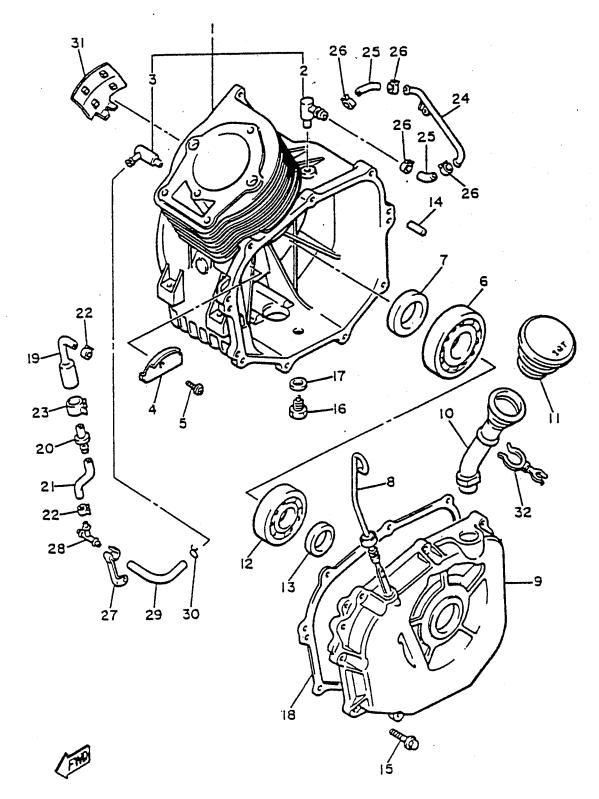
SECTION 12 Page 11

B 6-10 ENGINE EXHAUST PARTS LIST FIGURE 15

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	J38-14710-00-00	MUFFLER ASS'Y 1	1
2	J38-14613-00-00	GASKET, EXHAUST PIPE	· 1
3	95380-08600-00	NUT	2
4	92990-08100-00	WASHER, SPRING	2
5	J38-14738-ØØ-ØØ	PROTECTER, MUFFLER 3	1
6	92580-06012-00	SCREW, PAN HEAD	2
7	92990-06100-00	WASHER, SPRING	2
8	92990-06600-00	WASHER, PLATE	. 2
9	J38-14771-00-00	STAY, MUFFLER 1	1
lø	95026-10020-00	BOLT, FLANGE	2
11	90119-08119-00	BOLT, W/WASHER	2



ENGINE FIGURE 16

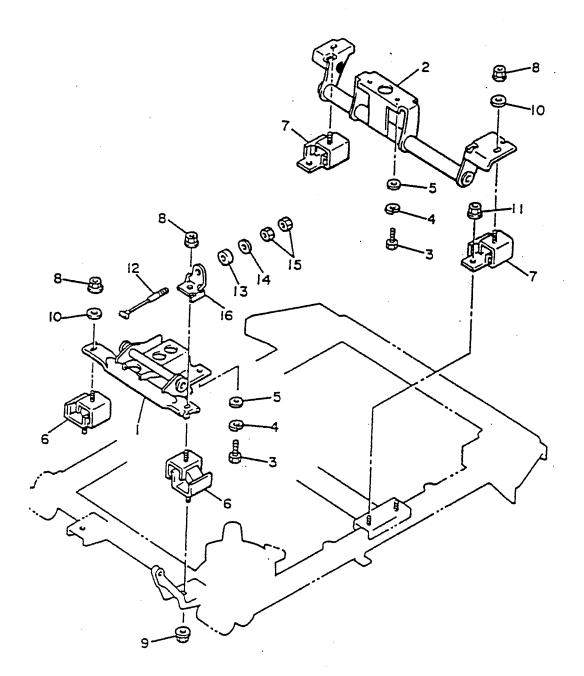


SECTION 12 Page 13

B 6-10 ENGINE CRANKCASE PARTS LIST FIGURE 16

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	J38-15100-00-00	CRANKCASE ASS'Y	1
2	J38-15148-00-00		1 1
3	J38-15155-00-00	NOZZLE 3	ī
4	J38-15123-00-00	PLATE, BUFFLE 1	1
5 6	90159-05117-00	SCREW, W/WASHER	1
6	93306-30709-00	BEARING	1
7	93102-35191-00	OIL SEAL	1
8	93102-35191-00 J38-15361-00-00 J38-15411-00-00	GAUGE, LEVEL	1
9	J38-15411-00-00	COVER, CRANKCASE 1	1
lø	J38-15112-ØØ-ØØ	PIPE, OIL	1
11	J38-15363-00-00	PLUG, OIL	1
12	93306-30621-00	BEARING (B6306)	1
13	93102-30195-00	OIL SEAL	1
14	93608-12063-00	PIN, DOWEL	2
15	95822-08035-00	BOLT, FLANGE	9
16	J38-13455-00-00	PLUG	1
17		GASKET	1
18	J38-15451-00-00	GASKET, CRANKCASE COVER 1	1
19	J38-14388-00-00	VALVE, VACUUM CONTROL	1
2Ø	J38-13115-00-00	CONNECTOR, SUCTION PIPE	
21	90445-113E4-00	HOSE	1
22	90467-10035-00	CLIP	2
23	90468-03104-00	CLIP	1
24	J38-13161-ØØ-ØØ	PIPE, DELIVERY 1	1 2
25	90445-110E6-00	HOSE	
26	90467-10035-00	CLIP	4
	90465-10292-00	CLAMP	1
28	807-24376-00-00	PIPE, JOINT 1	1
29	90445-09066-00	HOSE	1
3Ø		CLIP	1
31	J38-11355-00-00	SEAL, CYLINDER 1	1
32	90468-60180-00	CLIP	1

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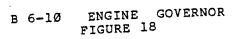


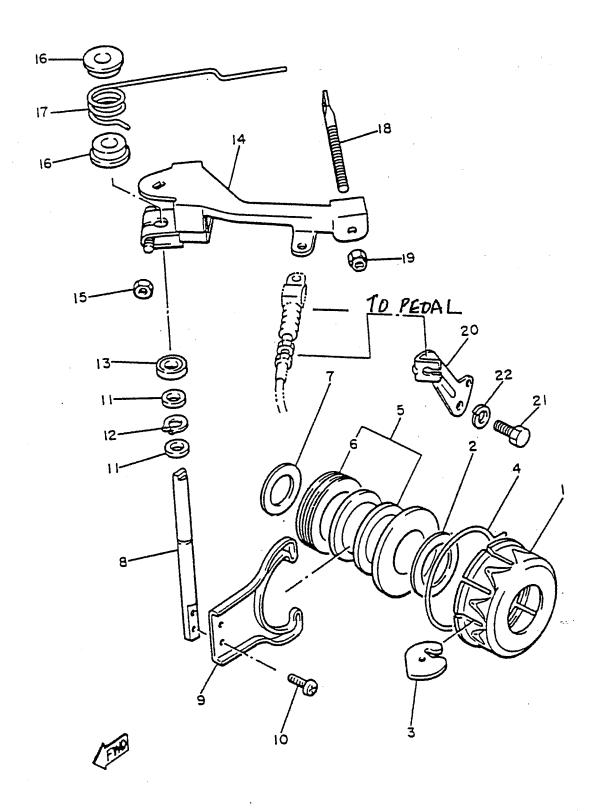
SECTION 12 Page 15

B 6-10 ENGINE BRACKET PARTS LIST FIGURE 17

ITEM NO.	PART NO. DESCRIPTION		QTY.
1	J38-21411-00-00	BRACKET, ENGINE 1	1
2	J38-21419-00-00	BRACKET, ENGINE 2	. 1
3	97322-10025-00	BOLT	4
4	92903-10100-00	WASHER, SPRING (92901-10100)	4
5	92901-10600-00	WASHER, PLATE (92902-10600)	4
6	J38-21486-ØØ-ØØ	DAMPER 2	2
7	J38-21488-ØØ-ØØ	DAMPER	2
8 9	90185-10130-00	NUT, SELF-LOCKING	4
9	95702-10500-00	NUT, FLANGE	2
1Ø	90201-10136-00	WASHER, PALTE	3
11	90185-08106-00	NUT, SELF-LOCKING	4
12	J17-2217J-ØØ-ØØ	TENSIONER 1	1
13	J17-2214F-00-00	DAMPER 1	1
14	90201-06778-00	WASHER, PLATE	. 1
15	95032-06600-00	NUT	2
16 ·	J38-2141A-00-00	BRACKET 1	1

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B 6-1Ø ENGINE GOVERNOR FIGURE 18

ITEM NO.	PART NO.	DESCRIPTION	مان بری بین بری بین بین بین بین بین بین بین ماه	QTY.
1	J10-27912-00-00	RETAINER	· ·	1
2 3	90387-21690-00	COLLAR		1
	J10-27913-00-00	WEIGHT		12
4	J10-27911-00-00	HOLDER		1
5	J10-27927-00-00	LIFTER		1
6	93342-22502-00	. BEARING		1
7	90201-20275-00	WASHER, PLATE		1
8 9	J38-27921-00-00			1
	J10-27922-00-00	FORK, GOVERNOR		1 .
1Ø	98501-04008-00	SCREW, PAN HEAD		2
11	90202-08110-00	WASHER, PLATE		2
12	99001-06600-00	CIRCLIP		1
13	93104-08058-00	OIL SEAL		1
14 15	J38-27951-00-00	LEVER, SPEED LIMITER		1
	95302-06600-00	NUT		1
16 17	90386-08141-00			2
	90507-40678-00			1
18 19	J38-27959-00-00 95702-06300-00	SCREW, ADJUSTING		1
20	J38-27982-00-00	NUT, NYLON BRACKET, WIRE		1
21	97302-08016-00	BOLT		1
22	92903-08100-00	WASHER, SPRING (92902-08100)		1

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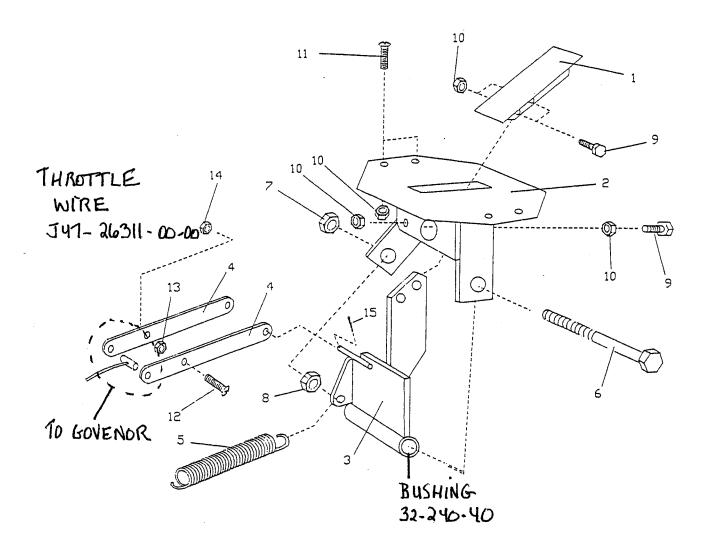
MAINTENANCE PROCEDURES CONTROL LINKAGE, ACCELERATOR, HAND PARK BRAKE AND FOOT BRAKE PEDAL

The mechanical control linkage operates the various controls and mechanisms located throughout your vehicle.

All wear points should be lubricated according to section 4.

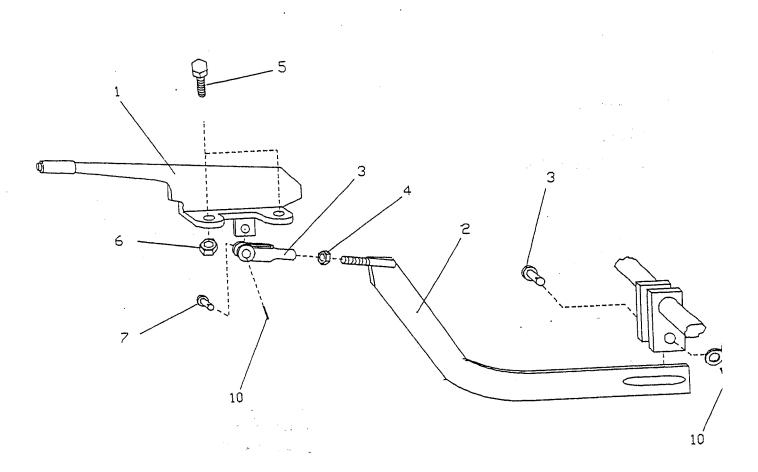
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B 6-1Ø ACCCELERATOR ASSEMBLY AND LINKAGE



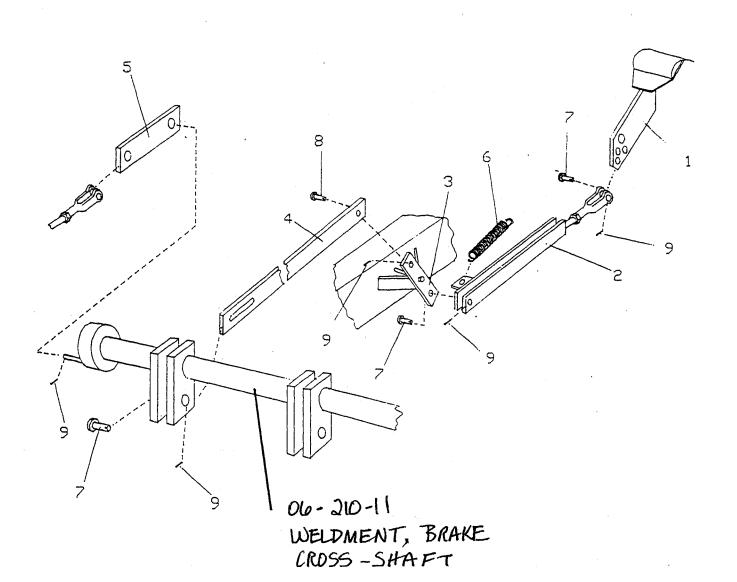
I.D. NO.	T-D PART NO.	DESCRIPTION	QTY.
1	98-254-10	ACCELERATOR PEDAL	 l
2	Ø5-21Ø-3Ø	WELDMENT, ACCELERATOR MOUNT	ī
3	Ø6-21Ø-Ø4	WELDMENT, ACCELERATOR PIVOT W/BUSHINGS	1
4	Ø5-21Ø-42	ACCELERATOR LINK	2
5	85-295-00	SPRING, EXTENSION, ACCELERATOR	1
6	88-101-24	3/8 X 4 NC HEX BOLT GRADE 5	ī
7.	88-109-81	3/8 NC LOCKNUT	ī
8	88-109-80	3/8 NC HEX NUT	ī
9	88-060-09	$1/4 \times 3/4$ NC HEX BOLT	2
10	88-069-87	1/4 KEPS NUT	8
11	88-065-08	1/4 X 5/8 TRUSS HEAD	4
12	88-025-06	8-32 X 1/2 TRUSS HEAD	1
13	88-029-80	8-32 HEX NUT	ī
14	88-029-86	8-32 FLEX LOCK NUT	ī
15	88-507-06	1/16 X 1/2 COTTER PIN	· 1

B 6-1Ø HAND PARK BRAKE LINKAGE

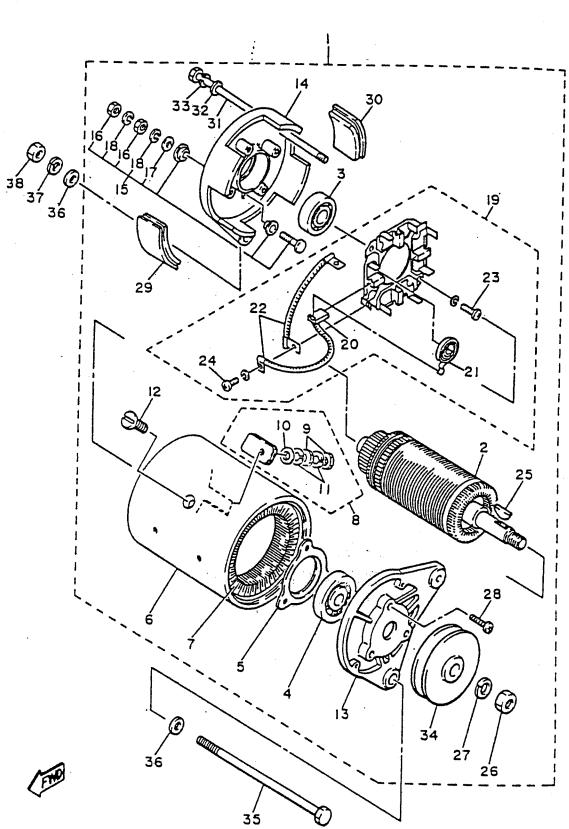


ITEM NO.	T-D PART NO.	DESCRIPTION	QTY.
1	51-343-10	HAND PARK BRAKE	1
2	Ø5-21Ø-86	HAND BRAKE BAR	1
3	96-763-00	CLEVIS	1
4	88-099-80	5/16 NF HEX NUT	
5	88-080-09	5/16 X 3/4 NC HEX BOLT	2
6	88-089-81	5/16 NC LOCKNUT	2
7	96-773-00	5/16 CLEVIS PIN	1
8	96-772-00	3/8 X 1 CLEVIS PIN	1
9	88-108-60	3/8 WASHER	. 1
1Ø	88-517-09	$3/32 \times 3/4$ COTTER PIN	2

B 6-10 FOOT BRAKE LINKAGE



ITEM NO.	T-D PART NO.	DESCRIPTION	QTY.
1	Ø5-21Ø-97	BRAKE PEDAL ASSEMBLY	1
2	05-210-79	FOOT BRAKE PUSH BAR	1
· 3	Ø5-21Ø-36	BRAKE PIVOT BAR	1
4	Ø5-21Ø-83	PEDAL LINKAGE BAR	1
5	Ø5-21Ø-24	BRAKE ROD LINK	1
6	85-233-00	SPRING, TENSION, ACCELERATOR	l
7	96-772-00	PIN, CLEVIS, 3/8 X 1	3
8	96-771-00	PIN, CLEVIS, 3/8 X 3/4	1
9	88-517-09	3/32 X 3/4 COTTER PIN	5



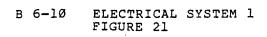
B 6-1Ø STARTING MOTOR FIGURE 2Ø

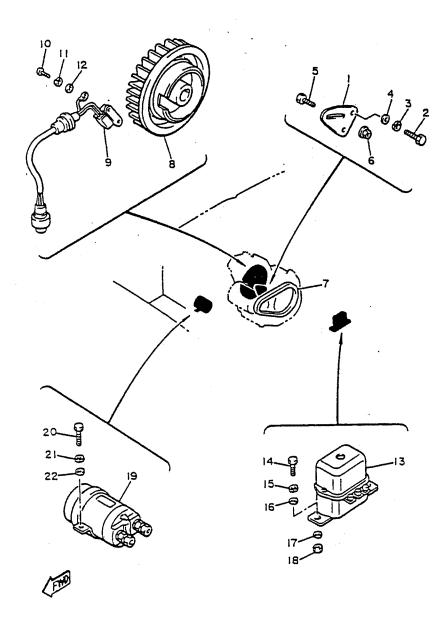
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B 6-10 STARTING MOTOR PARTS LIST FIGURE 20

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	J38-81100-10-00	STARTER GENERATOR ASS'Y	· 1
2	J10-81150-10-00	. ARMATURE ASS'Y	1
3	J10-81157-10-00	. BEARING 1 (6202 SD)	1
4	J10-81158-10-00	. BEARING 2 (6203 SD)	1 1
5 6	J10-81159-10-00	ARMATURE ASS'Y ARMATURE ASS'Y BEARING 1 (6202 SD) BEARING 2 (6203 SD) HOLDER, BEARING STATOR ASS'Y FIELD COIL ASS'Y SCREW 4 NUT WASHER, PLATE WASHER, SPRING (92902-06100) SCREW 2	1
6	J38-81110-10-00	. STATOR ASS'Y	1 1
7	J38-81160-10-00	. FIELD COIL ASS'Y	1
8	J10-81148-10-00	. SCREW 4	2
9	95302-06600-00	NUT	4
10	92990-06600-00	WASHER, PLATE	2
11	92903-06100-00	WASHER, SPRING (92902-06100)	4
12	J10-81146-10-00	. SCREW 2 . BRACKET, STARTER GENERATOR 1	4
	J38-81165-1Ø-ØØ	. BRACKET, STARTER GENERATOR 1	l
14	J10-81166-10-00	. BRACKET, STARTER	_
		. GENERATOR 2	1
15	J10-81147-10-00	. SCREW 3	2
16	95302-06600-00	NUT	4
17	92990-06600-00	. SCREW 3 . NUT . WASHER, PLATE . WASHER, SPRING (92902-06100) . BRUSH HOLDER ASS'Y . BRUSH SDRING BRUSH	2
18	92903-06100-00	WASHER, SPRING (92902-06100)	4
19	J38-81119-10-00 J38-81111-10-00	. BRUSH HOLDER ASS'Y	1
20	J38-81111-10-00	BRUSH	4 4
21 22	J10-81113-10-00 J10-81115-10-00 98501-05016-00	SPRING, BRUSH	7
22	J10-81115-10-00	WIRE, LEAD	2
23	98201-02010-00	WIRE, LEAD SCREW, PAN HEAD	2
25	38303-04010-00	. SCREW, PAN HEAD . KEY	2 2 4 1
26	J38-81163-10-00 95302-14600-00	. NUT	
27	95302-14600-00 92902-14100-00	. NUT	1
28		. SCREW, PAN HEAD	1
29	110-81129-10-00	COVED BRIISH 2	1 1 3 1 2
зø	J10-81129-10-00	. COVER, BRUSH 2 . COVER, BRUSH 2 (J10-81139-10)	1
31	J10-81145-10-00		2
	92990-06600-00		
33	92903-06100-00	. WASHER, SPRING (92902-06100)	2 2
34	J38-81161-10-00	. PULLEY	
	90101-12545-00		1 1
	92901-12600-00		2
37	92901-12100-00	WASHER, SPRING (92902-12100)	1
38	95302-12600-00	NUT	i
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SECTION 14 Page 3



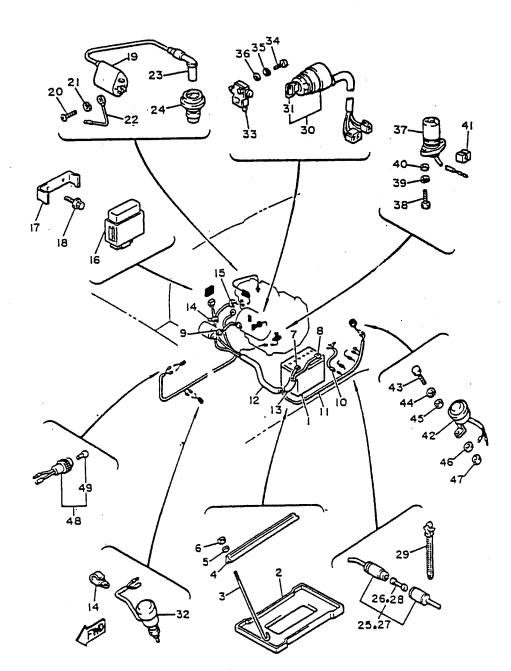


SECTION 14 Page 4

B 6-10 ELECTRICAL SYSTEM 1 FIGURE 21

ITEM NO.	PART NO.	DESCRIPTION	QTY.
	J38-81170-00-00	TENSIONER ASS'Y	1
2	97301-08025-00	BOLT (97302-08025)	2
		WASHER, SPRING (92902-08100)	2
3 4	92903-08100-00 92990-08600-00		
5	90109-087A5-00	BOLT	1
6			1
. 7	95702-08500-00 J38-81173-00-00	NUT, FLANGE BELT	1
8			÷ 1
	J38-81350-20-00		1
9	J38-85580-20-00	•	÷ .
10	98501-05016-00	· · · · · · · · · · · · · · · · · · ·	2
11	92990-05100-00	•	
12	92901-05600-00		2
13	J10-81910-10-00		1
14	97301-06016-00	BOLT	2 2
. 15	92903-06100-00	WASHER, SPRING (92902-06100)	2
16	92990-06600-00	WASHER, PLATE	2
17	90201-06043-00	WASHER, PLATE	2
18	95302-06600-00	NUT	2 1
19	J38-81950-00-00	RELAY ASS'Y	
2Ø	97303-06020-00	BOLT (97302-06020)	2
21	92903-06100-00	WASHER, SPRING (92902-06100)	2
22	92990-06600-00	WASHER, PLATE	2

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B 6-10 ELECTRICAL SYSTEM 2 FIGURE 22

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B 6-1Ø ELECTRICAL SYSTEM 2 FIGURE 22

ITEM NO.	PART NO.	DESCRIPTION	QTY.
			•
1	77-054-10	BATTERY ASS'Y	1 1
2 3	J17-82122-00-00 J17-82133-00-00	SEAT, BATTERY SCREW, FITTING	2
4	J17-82136-00-00	PLATE, BATTERY FITTING	ĩ
5	92903-06200-00	WASHER, (92902-06200)	
6	95702-06300-00	NUT, NYLON	2 2
7	J38-82115-00-00	WIRE, PLUS LEAD	1
8	J38-82Ì16-ØØ-ØØ	WIRE, MINUS LEAD	1
9	J38-82117-00-00	WIRE, LEAD	1
10	J38-821Ø5-ØØ-ØØ	WIRE HARNESS	1
11	J38-8259Ø-2Ø-ØØ	WIRE HARNESS ASS'Y	1
12 13	J38-87196-00-00 J38-87197-00-00	TUBE 1	
14	90465-06038-00	TUBE 2 CLAMP	1 2
- 15	341-82594-00-00	CLAMP	1
	J38-82305-20-00	IGNITOR UNIT ASS'Y	i
17	J38-8553A-ØØ-ØØ	STAY UNIT	1
18	95802-06010-00	BOLT, FLANGE	2
19	J38-8231Ø-2Ø-ØØ	IGNITION COIL ASS'Y	1 2
2Ø	985Ø3-Ø5Ø2Ø-ØØ		2
21	92990-05100-00	WASHER, SPRING	2
22	J38-82318-ØØ-ØØ	WIRE, SUB-LEAD	1
23	8K1-8237Ø-2Ø-ØØ	PLUG CAP ASS'Y	1 1
24 25	J38-82372-00-00	SEAL, PLUG CAP	
26	1E6-82150-00-00 1E6-82151-00-00	FUSE HOLDER ASS'Y FUSE $(6V-100)$	1 2
27	J14-82150-00-00	FUSE (6V-1ØA) FUSE HOLDER ASS'Y	
28	1E6-82151-ØØ-ØØ	FUSE (6V-1ØA)	1 2
29	90464-12036-00		
зø	J38-8251Ø-ØØ-ØØ	MAIN SWITCH ASS'Y	2 1
31	J17-82511-2Ø-ØØ	KEY, MAIN SWITCH	2
32	J41-82550-00-00	STOP SWITCH ASS'Y (STOP/START SWITCH)	1
33	J38-82617-ØØ-ØØ	SWITCH	1
34	98511-04025-00	SCREW, PAN HEAD	1
35 36	92990-04100-00	WASHER, SPRING	1
37	92901-04600-00 J38-85720-00-00	WASHER, PLATE OIL LEVEL GUAGE ASS'Y	1
38	97303-06020-00	BOLT (97302-06020)	1 2
39	92903-06100-00	WASHER, SPRING (92902-06100)	_
4Ø	92990-06600-00	WASHER, PLATE	2
41	J38-82598-ØØ-ØØ	GROMMET	1
42	J10-83383-02-00	BUZZER	ī
43	973Ø1-Ø6Ø16-ØØ	BOLT	1
44	92903-06100-00	WASHER, SPRING (92902-06100)	1
45	92990-06600-00	WASHER, PLATE	1
46 47	90201-06043-00 95302-06600-00	WASHER, PLATE	1
48	953Ø2-Ø66ØØ-ØØ 70R-8353Ø-ØØ-ØØ	NUT PILOT LIGHT ASS'Y	1 1
49	123-83516-21-00	BULB (12V-3.4W)	1
		DOTD (154-0.44)	Ŧ

SECTION 15 Page 1

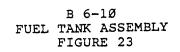
B 6-10 OPTIONS AND KITS

GENERAL: This section illustrates the many additional options to increase the usage of your vehicle. Some of these kits can be added with basic tools, ie; side mirrors, rotating beacon turn signals and seat belts. All other kits should be installed at an authorized Taylor-Dunn dealership. This section is only a guide for various options that will aid you in improving the operation and serviceability of your vehicle.

BODY AND TRIM (OPTIONAL) FIELD KITS

The following field kits are supplied as an additional option for customizing your B 6-10. Each kit comes complete with hardware and a set of instructions. See illustration of major kit packages, next page. All metal parts are orange. All other colors are special.

KIT NO.	DESCRIPTION	
<pre>NIT NO. 90-010-61 90-010-62 90-440-45 90-440-55 97-808-61 91-101-61 91-151-61 91-340-62 91-340-62 91-340-63 91-542-61 90-542-62 74-010-61 91-012-62 91-010-68 91-010-68 91-010-69 74-141-61 90-160-61 73-005-60 73-005-60 73-005-61 72-023-61 72-023-61 72-013-62 72-014-61 72-015-61 72-016-61</pre>	Second seat Second and Third Seat Diamond Cover Standard Bed 6-10 Diamond Deck Cover, 3 Piece Pintle Hitch Automatic Coupling Hitch Surrey Top Fibreglass Top Tool Box Double Side Doors Tool Box (Rear) With Lock Doors Stake Sides 2 Passenger Stake Sides 2 Passenger Windshield Wiper Cab (all metal) With Windshield and Rear Window, Less Doors Door (all metal) With Sliding Glass Window, Left Hand Door (all metal) With Sliding Glass Window, Left Hand Turn Signals, Front and Rear Seat Belts Reverse Warning Beeper Motion Beeper Rotating Amber Light, Pole Rotating Amber Light, Cab Mirror	1
72-Ø16-62	Kit, Spotlight, Cab Mounted	



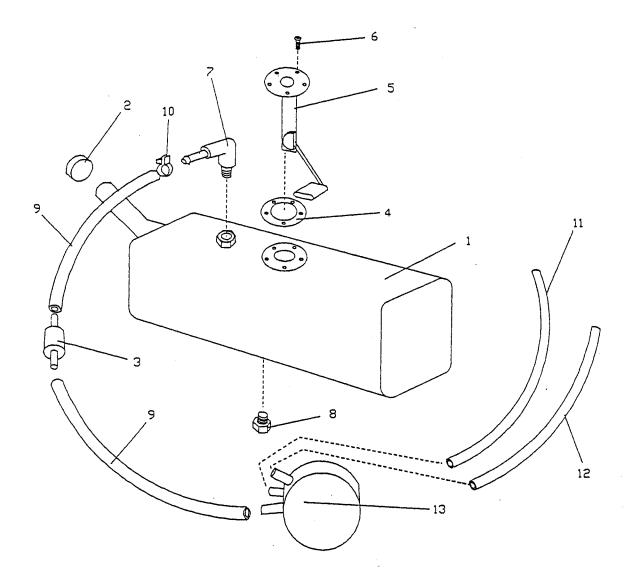


FIG I.D.	PART NUMBER	DESCRIPTION	QTY.
1	Ø8-21Ø-78	FUEL TANK	1
2	Ø5-21Ø-Ø1	GAS CAP	1
3	Ø5-21Ø-Ø2	FUEL FILTER	1
4	74-009-22	SENDER GASKET	1
5	74-009-21	FUEL GAUGE SENDER	. 1
б	74-009-23	SENDER HARDWARE	1
7	96-154-10	ELBOW, 1/4 NPT X 5/16	1
8	96-154-00	PLUG, 1/4 NPT, 9/16 HEX	1
9	98-512-17	HOSE, FUEL, 5/16 X 17	2
lØ	96-608-10	CLAMP, HOSE	8
11	98-511-07	HOSE, FUEL, 3/16 X 7	1
12	98-511-18	HOSE, FUEL, 3/16 X 18	l
13	J38-24410-00-00	FUEL PUMP	l

SECTION 16 Page 1

B 6-10 PARTS ORDERING PROCEDURE

Parts may be purchased from your local Taylor-Dunn dealer. When ordering parts, be sure to specify the complete model number and serial number of this unit. also specify the full Taylor-Dunn part number, description of part and quantity of parts required. When ordering parts for the drive motor, also include the specifications found on the motor name palte. Be sure to give complete shipping and billing address on all orders. Example:

1 - Part Number - J38-23816-00-00 - Arm-Pittman

1 - Set of 2 - Part Number - 70-005-00 - 93332-00010-00 - Bearing

Above parts for model B 6-10 truck, beginning with serial number

Parts ordered under warranty must be placed with your authorized Taylor-Dunn dealer. Be sure to include original invoice number, date of shipment of vehicle, and vehicle serial number.

NOTE: On contracts with National Federal Government Agencies, Defense General Supply Agency, and United States Post Office Department, orders for all warranty parts must be placed directly with the Taylor-Dunn factory in Anaheim, California.

TAYLOR-DUNN MANUFACTURING COMPANY 2114 West Ball Road Anaheim, CA 92804

Phone: 714-956-4040 Telex: 65-5393

J1Ø-83383-Ø2-ØØ

7ØR-83530-00-00

123-83516-21-00

B 6-10 SUGGESTED SPARE PARTS LIST

DESCRIPTION OTY. T-D PART 1-20 UNITS NUMBER 13-742-20 TIRE & TUBE, DEMOUNTABLE WHEEL, SPLIT RIM 1 5.70 X 8, LOAD RANGE B 13-734-12 13-752-00 TIRE, DEMOUNTABLE WHEEL 4.80 X 8 LOAD RANGE B TIRE, DEMOUNTABLE WHEEL 4.80 X 8 LOAD RANGE B TIRE, DEMOUNTABLE WHEEL, 18 X 8.50 X 8 RADIAL ELEMENT ASSEMBLY, AIR CLEANER JOINT AIR CLEANER AIR CLEANER ASSEMBLY .1 1 J38-14450-ØØ 2 J38-14453-ØØ 1 J38-14410-00 1 CARBURETOR ASSEMBLY J38-14101-00 1 796-14184-00 GASKET, FLOAT CHAMBER 1 127-14198-00 GASKET 1 620-14212-00 SPRING, PILOT ADJUSTING 2 J38-14133-ØØ-ØØ SPRING, THROTTLE STOP 1 (COM'L)B5ES(NGK) SPARK PLUG, .028 TO .031 GAP J38-81100-10-00 STARTER, GENERATOR 8 1 J38-8111-1Ø-ØØ BRUSH 8 J1Ø-81113-1Ø-ØØ SPRING, BRUSH 8 BELT (ENGINE PULLEYS) J38-81173-ØØ-ØØ 2 J38-8558Ø-2Ø-ØØ COIL, PULSER 1 VOLTAGE REGULATOR ASSEMBLY J10-81910-10-00 1 RELAY ASSEMBLY (SOLENOID) J38-81950-00-00 1 J38-82305-20-00 IGNITOR UNIT ASSEMBLY 1 J38-8231Ø-2Ø-ØØ IGNITOR COIL ASSEMBLY 1 FUSE (6V-1ØA) 1E6-82151-00-00 12 MAIN SWITCH ASSEMBLY J38-8251Ø-ØØ-ØØ 2 KEY, MAIN SWITCH BUZZER 2 J17-82511-2Ø-ØØ

PILOT LIGHT ASSEMBLY

BULB (12V-3.4W) PILOT LIGHT

SECTION 16 Page 2

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NOTICE OF CHANGE

WE WANT OUR MANUALS TO BE USEFUL AND CORRECT. IF YOU DISCOVER AN ERROR OR WISH TO SUGGEST CHANGES, PLEASE FILL OUT THIS SHEET AND MAIL IT TO TAYLOR-DUNN.

MA	NUA	L NO			 SERIAL NO	•	DA	re :	
*		ERROR(S) CTION	EXISTS	ON	 FOLLOWING	SECTION(S)		• • •	NO.

* EXAMPLE: Section <u>13</u>, Page <u>5</u>, Item 5. PART NO. 41-350-55 KIT, CYLINDER REPAIR SHOULD BE PART NO. 41-350-66.

MAIL	TO:	TAYLOR-DUNN
		ATTN: ENGINEERING
		2114 W. BALL ROAD
		ANAHEIM, CA 92804

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WE WANT OUR MANUALS TO BE USEFUL AND CORRECT. IF YOU DISCOVER AN ERROR OR WISH TO SUGGEST CHANGES, PLEASE FILL OUT THIS SHEET AND MAIL IT TO TAYLOR-DUNN.

MANUAL NO.				SERIAL NO		DATE:	
*	AN ERROR(S) SECTION	EXISTS O		FOLLOWING		AND PAGE(S) OR ITEM) NO.

* EXAMPLE: Section <u>13</u>, Page <u>5</u>, Item 5. PART NO. 41-350-55 KIT, CYLINDER REPAIR SHOULD BE PART NO. 41-350-66.

> MAIL TO: TAYLOR-DUNN ATTN: ENGINEERING 2114 W. BALL ROAD ANAHEIM, CA 92804