Motor Trader

SERVICE DATA No. 485

Ford Capri 1300-1600GT models inclusive

Manufacturers: Ford Motor Co., Ltd., Warley, Essex (NB-This article replaces Service Data No. 482)

All rights reserved. This Service Data Sheet is compiled by the technical staff of Motor Trader, from information made available by the vehicle manufacturers and from our own experience. It is the copyright of this journal, and may not be reproduced, in whole or in part, without permission. While care is taken to ensure accuracy we do not accept responsibility for errors or omissions.

ENGINE

Mounting

Engine and gearbox assembly has a three point mounting on bonded rubber insulators. Front insulators (two) are common to all engines and are secured by self-locking nuts. Single rear insulator also is common to all engines and is secured to a pad on the gearbox extension housing. For both manual and automatic transmissions a common retainer is located beneath and in front of the insulator when fitted to the cross member. Length of cross-member varies with transmission unit fitted, the cross member with the automatic transmission being longer than that used with the manual gearbox.

Removal

Remove bonnet, disconnect bat-tery lead and earth strap to engine and drain engine coolant. Disconand train engine costant. Jiscon-radiator hoses and remove radiator. Remove air cleaner and disconnect heater hoses at bulkhead. Undo accelerator linkage and downshift cable (automatic transmission) from carburettor. Disconnect choke control where fitted and temperature gauge sender unit and generator leads. Undo exhaust pipe clamp bolts and disconnect exhaust pipe from manifold (on GT cars complete this operation after car has been jacked up). Disconnect all pipes and leads to and from engine. Remove inlet manifold complete with heater water control, where fitted. Also, remove exhaust manifold. Jack up front of car and fit stands. Remove sump shield. Undo lower clutch housing bolts, disconnect reinforcing bracket and remove cover. On automatic transmission cars turn engine as necessary and nervove drive plate to torque converter bolts. Remove stands and jack from beneath car. Undo clutch housing to engine bolts. On automatic transmission cars stacken filler tube at gearbox. Fit in backet tool No. P.6171 and support engine. Disconnect engine

Model illustrated is the 1600GT

mountings from front cross member. Support gearbox/automatic trans-mission. Pull engine unit forward off main drive gear/torque converter

and lift assembly from engine compartment. Drain engine oil. Replacement is, in the main, a reversal of dismantling procedure. Note: Coat exhaust manifold gaskets with EM-4G-14 jointing compound.

Crankshaft

Five main bearings. Thin wall steel - backed, white metal - lined shells in 1300 and steel-backed copper/lead bearings in 1600 and 1300 and 1600/GT engines Both types are located by tabs in bearing caps. Flywheel has shrunk-on starter ring gear and is spigoted on flanged end of shaft and retained by six setscrews. Caged needle roller bearing pressed into shaft end. Crank-shaft end-float controlled by split half-thrust washers positioned either side of centre main bearing, grooves to crankshaft. Oversize washers, 010in max., are available. Timing sprocket, large boss to rear, keyed on to front end of shaft by Woodruff key together with fan pulley, oil thrower between. Fan pulley retained by large hexagon-headed set bolt. Oil seal, pressed into timing cover, runs on pulley hub. Rear seal pressed into a carrier, runs on the periphery of the rear crankshaft flange. Align front seal with tool No. P.6150 and rear with P.6173 while tightening bolt.

Connecting Rods

"H"-section forgings, big-ends split horizontally are retained by bolts and located by dowels. Rods have oil squirt holes on piston non-thrust side and marked "FRONT". Big end bearing shells are thin wall, steel-backed with copper/lead, lead/bronze or alununium/tin linings and are located by tabs in rods and caps. Gudgeon pin bushes are steelbacked bronze type and are not available as service replacements, rods and bushes only are available as replacements. Bearing caps should always be replaced on rods from which they are dismantled, and both rods and caps are numbered to facilitate identification.

Pistons

Aluminium alloy, cut-away solid skirt, combustion bowl in crown pattern. Valve recesses are also machined on crowns of pistons of 1,300cc engine pistons. Different pistons are used on each capacity engine and for each compression ratio option.

Numbers are stamped on crowns and inside piston skirts for identity

Identification for further details. Piston gudgeon pin bores are graded in manufacture and pins are interference fit, for this reason pistons and pins only are supplied as re-placements. Graded pistons should be matched to similarly graded bores, and when refitting, correct clearance is established when a 7-11lb pull is required to extract feeler strip .50in wide and .002in thick (.0025in for 1300 engines) from between piston and cylinder wall, when the cylinder has been wiped dry from an oiled condition.

Two compression rings and one scraper ring fitted, all above gudgeon pin. Upper compression ring is chrome plated and tapered on periphery, lower compression ring is stepped externally on bottom face. Both rings marked "TOP" for correct replacement. Oil control Both rings marked "TOP" for correct replacement. Oil control rings may be fitted either way up. Pistons will not pass crank throws, but big ends will pass through bores. Remove and assemble pistons and con-rods from top.

Camshaft

Single row roller, endless, end drive. Camshaft sprocket spigoted off end of shaft, dowel located, and retained by setscrews and lockplate. Note: two types of camshaft used that of the 1300 and 1600 engine bears the number "109E" cast on the shaft at the rear and white paint identified. That of the GT engine bears the number "116E" cast in similar manner on rear end of shaft, with a red identification band.

Camshaft sprocket may be re-moved with chain; thrust plate is trapped in groove between front bearing journal and spigot and is retained by two bolts and lockplate.

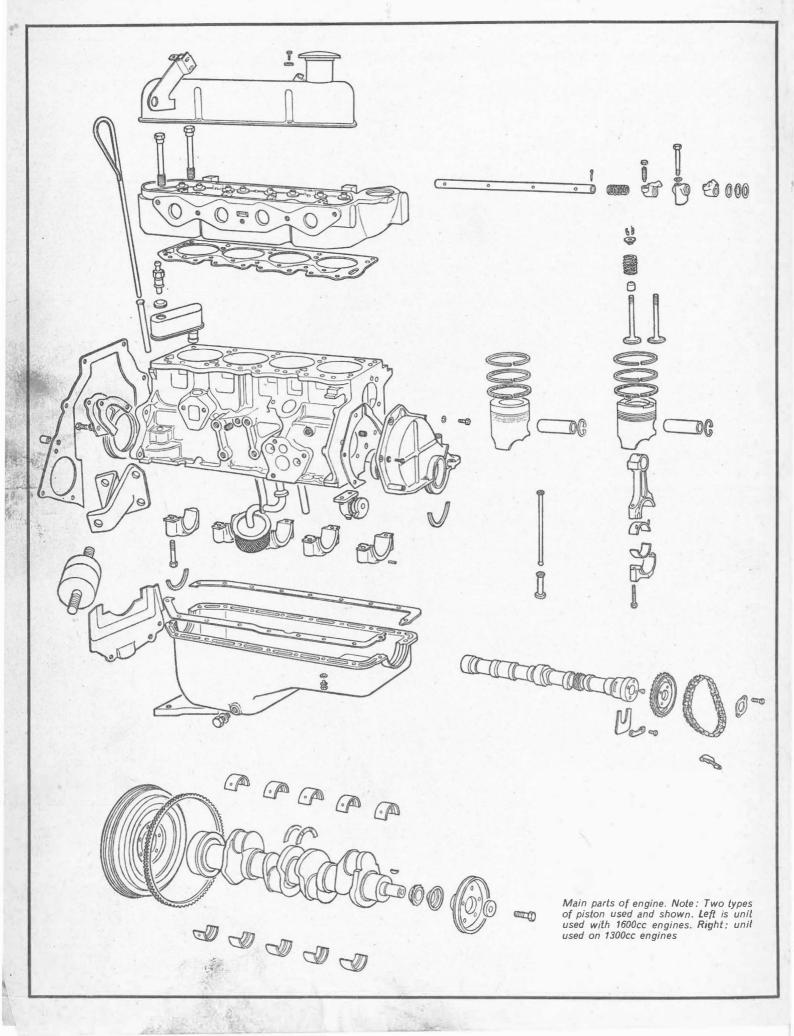
Camshaft runs in three steel-backed white-metal lined bushes. (.020in o/s on dia. available) pressed into housings in cylinder blocks. When renewing bushes ensure that oil holes are in line with centres, no hand fitting required. Valve timing marks on sprockets should be in line with centres when refitting; no fine adjustment for timing, Chain ten-sioner fitted consists of rubber rub-bing block bonded to spring blade tensioner arm located and pressure controlled by spring loaded eccentric tensioner can. To dismantle when removing timing chain, remove two mounting bolts and take off bracket, when arm may be detached from pivot pin.

Valves

Overhead, in line, non inter-changeable, inlet larger than exhaust. Split cone cotter fixings, single springs. Umbrella oil seals fit around valve stems.

Valve guides plain, integral with head. Provision is made for reaming out .003 and .015in to accommodate valves with stems oversize to these dimensions in service. After reaming, valve seats must be re-cut.





Tappets and Rockers

Plain mushroom tappets working directly in crankcasc. Remove camshaft to extract.

Rockers, all unbushed and handed, work on hollow shaft supported in four pillars, secured and located on cylinder head by hexagon headed setbolts. Oil feed to shaft is through head drillings to No. 1 (front) rocker pillar, radial holes drilled in rocker shaft for oil. Rockers are assembled cach side of pillars separating springs between.

Adjuster screws fit in rocker ends, secured by lock-nuts and lower ends of screws are ball-shaped for location in upper cup ends of pushrods. End by split pins and each has two thrust washers with a crimped spring washer interposed. Pushrods may be removed singly after adjustment has been slackened right off, but better to remove rocker shaft complete for pushrod removal.

Lubrication

Gear driven eccentric bi-rotor sliding vane type pump externally flange mounted to engine crankcase.

.0016-.0036

in grooves Width of rings

External oil filter clement housing bolted to flange integral with pump body. Non-adjustable plunger and spring relief valve fitted in pump/ filter housing. Valve set to blow off at 35-40lb/sq in and warning light indicates at pressure below 5-7lb/ sq in.

Cooling

Pump, fan and thermosyphon. Thermostat located in forward por-tion of cylinder head casting.

Pump driven by belt from crankshaft pulley, adjust generator link so that there is $\frac{1}{2}$ in play in longest run of belt.

TRANSMISSION

Clutch

Single dry plate diaphragm spring clutch cable operated by pendant pedal. Release ball bearing racc sealed type carried in dished plate with pivot bolt on inner face of bell housing. Provision for cable adjustment by

threaded sleeve at cable end mounted on clutch housing. Pedal free play

i.e. clutch adjustment should be 1/2-2 in. It can be removed after gearbox removal (see gearbox section). Size is 71 in diameter and 1600GT models have a stronger diaphragm spring.

Gearbox

All synchromesh, (blocker ring) four forward speeds, one reverse. Selection is by remote-control floor-mounted lever, linked to selector rail which has, pinned to it, a selector lever, which engages with appropriate selector forks. For engagement of reverse gear the selector lever first has to be depressed against a spring.

Gearbox Removal

.0025-.0075

.375in

1 1 2 44

Open bonnet and disconnect battery. Undo throttle linkage at carburettor. On GT models, remove centre console after taking out crossheaded securing screws. On GT and de-luxe models, bend up lock tab and unscrew plastic dome nut. Take off gear lever.

Jack up car and fit stands all round. Remove four bolts securing propeller shaft to rear axle pinion

flange after marking flanges for correct replacement. Lower rear end of propeller shaft and slide front yoke from gearbox, fit dummy yoke to prevent oil loss. Remove circlip and take out speedometer cable from gearbox extension housing. Undo exhaust pipe at manifold and take off bracket securing exhaust pipe to gearcasing. Displace clutch release lever gaiter and free clutch cable from lever. Take out two starter motor securing bolts and move starter motor to one side. Remove bolts securing clutch housing to engine, note that a top bolt also secures battery earth strap. Remove bolts securing lower dust cover and detach cover. Place support jack beneath rear of engine, take out four bolts securing gearbox cross-member to vehicle body. Slide gearbox rearwards while taking its weight and detach it from engine.

Remove clutch release lever and bearing, unscrew four bolts securing clutch housing to gearbox and remove it, remove cross-member centre bolt and detach it from gearbox.

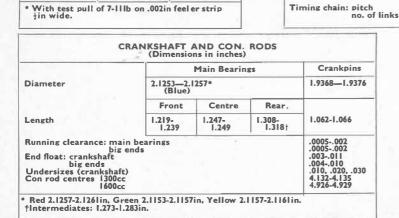
Remove flywheel dust cover securing bolts. Support front of engine and

* 1300 and 1600, cross ply; ** 1300GT and 1600GT, radial ply

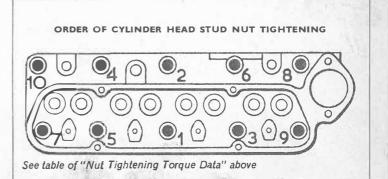
165×13

S	SPECIAL TOOLS		TUNE-UP DATA		NUT TIGHTENING TORQUE DATA				
1		Part No.	Firing order	1,2,4.3			11	b.ft	
ENGINE Cylinder head Camshaft tool	locating studs (main) (adaptor)	P4063 P6031 P6031-3	Tappet clearance (hot) inlet	1300-1600	GTs .012in	ENGINE Cylinder head stud nuts Main brg. caps Con. rod big ends	6	5-70 5-70 0-35	
Drain plug wr	rocket replacer ench	CP 6032A or B P6064	exhaust	.017in	.022in	Flywheel bolts (bi-hexagon (hexagonal)	al) 5	0-55 ž	
Engine stand b 200A or B en Cylinder head	ngine stand	P6107 P6129	Valve timing: inlet opens inlet closes	17°BTDC 51°ABDC	27°BTDC 65°ABDC	CLUTCH AND GEARBOX Clutch pressure plate to fly Clutch housing to transmis	wheel I	2-15	
Mainshaft brg	GEARBOX AND TRANSMISSION Mainshaft brg and hub replacer Gearbox bracket (for engine stand) Clutch clearance setting gauge Bench cradle (for auto trans) Flywheel brg remover adaptor CP 7600-7		exhaust opens exhaust closes	SI°BBDC	65°BBDC 27°ATDC	case Transmission case drain and filler plugs		40-45 25-30	
stand) Clutch clearar Bench cradle Flywheel brg r			Standard ignition timing Location of timing mark Contact breaker gap Plugs: make type	timing chain sprockets .025in Autolite AG22 I4mm .023in		REAR AXLE Crown wheel/diff case Diff carrier/axle housing Diff brg. cap bolts FRONT SUSPENSION Suspension unit upper mtg. bolts Track control arm ball stud nut		0-55 5-18 5-50	
remover (ac	Rear hub & axle shaft remover (adaptor) Differential bearing cone		size sap					15-18 30-35	
remover (ad		P4000-27A		1300-1600	GTs				
replacer			Carburettor: make type	Autolite single venturi d/draught		GENERAL DATA			
	PISTONS AND RINGS (dimensions in inches)		Air cleaner: type Fuel pump: type	(see separate table Air cleaner: type paper element Fuel pump: type mech.		Wheelbase Track: front rear Turning circle	8ft 4.8i 4ft 5in 4ft 4in 32ft 4.5in		
(Piston/bore) 16	Gudgeon pin: diameter .81198123 fit in piston .00010003		pressure	27-3931		Ground clearance 4			
Gudgeon pin: di			.00010003 (Dimensions			Tyre size	*	165	
fit in con. rod		(interf) .00010003 (clear) Bearing journal:			nain	Overall length Overall width	C/P 13ft 1		
	Compression		Dil Control diameter length: front and rea		5597-1.5605 9	Overall height Kerb Weights		5ft 4.8in 4ft 2.7in	
No. of rings Gap Side clearance	2.009014	I .009014	centre Bearing clearance	.6	8 010023	1300 1300GT 1600GT	1,940 1,985 1,985	lb łb	
in grooves	.00160036	.00180038	E. J. Beach		025 0075	100001	2,030	ID	

End float



.0018-.0038



iv FORD CAPRI 1300-1600GT

then remove four bolts on engine rear crossmember which supports gearbox. Remove two remaining engine to clutch housing bolts. Lower jack supporting engine and remove gearbox. Remove crossmember centre bolt and detach crossmember from gearbox.

Selector Mechanism Removal

Using gearbox mounting bracket, tool No. P.7089, mount gearbox on engine stand. Remove bolts securing top cover plate to gearbox. Lift off plate. Using suitable drift, knock out blanking plug from rear of extension housing. Remove plunger screw from side of gearbox case then remove spring pin securing selector boss to rail. Withdraw selector rail rearward. Lift out selector forks and lever. If necessary, remove plunger and spring from bore.

Extension Housing and Mainshaft Removal

Remove four bolts securing extension housing to gearbox casing and then, using a hide mallet, tap extension housing slightly rearwards until possible to rotate it so that layshaft aligns with cutaway in extension housing flange. Tap layshaft rearwards until it is just clear of front of gearbox case. Push layshaft out using a dummy, tool No. P.7113. Laygear now will drop to bottom of gearbox. Remove extension housing and mainshaft assembly. It is necessary to push 3rd/top synchroniser sleeve slightly forward to give clearance between it and cluster gear. 3rd Top Synchroniser. To dismantle; lift off top gear blocker ring from main drive gear side of 3rd/top synchroniser assembly. Remove and discard circlip from forward end of mainshaft. Locate split rings, tool No. P.4090-9, around rear face of third gear and in the base plate (tool No. 370) of a press. Press mainshaft out of 3rd/top synchroniser assembly, and 3rd gear, while extension housing and mainshaft is being supported. Dismantle synchroniser assembly by pulling sleeve off hub and withdrawing blocker bars and springs.

1st/2nd Synchroniser. To dismantle: Withdraw speedometer gear after removing plug in extension housing. Remove circlip securing mainshaft rear bearing to extension housing. Tap mainshaft assembly out of extension housing. Position split adaptors, P.4090-7a, behind 1st gear and place assembly in press base plate, 370. Press 1st gear, spacer (or oil slinger), mainshaft bearing, circlip and speedometer drive gear of mainshaft. Remove circlip securing 1st and 2nd synchroniser to mainshaft. Position split adaptors, P.4090-9, behind 2nd gear and fit assembly in press base plate, 370. Press 2nd gear and 1st and 2nd synchroniser assembly, complete with blocker rings, off mainshaft. Dismantle synchroniser assembly.

Main drive gear. To dismantle: Remove spigot bearing from recess in end of main drive gear. Tap main drive gear and bearing assembly out through front of gearbox. Remove and discard circlips from main drive gear and bearing. With split rings, P.4090-3a, located round the bearings, press bearing off main drive gear. Use 370 base plate to position split rings in press.

Layshaft Gear. To dismantle: With layshaft gear two thrust washers removed from gearbox. In both ends of this shaft are 21 needle roller bearings retained by a washer on each side of each set of rollers; remove these.

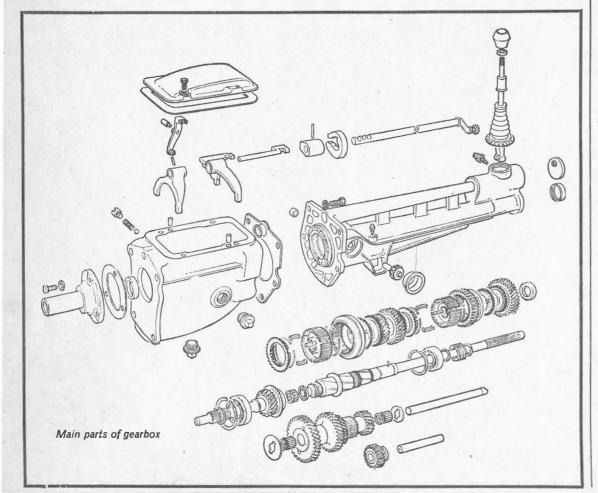
Reverse Idler Gear. To remove, screw idler shaft remover, tool No. P.7043, into idler shaft. Screw slide hammer, tool No. P.3072, on to idler shaft remover.

Reverse Selector Relay. To remove, take off spring clip securing selector relay lever to pivot pin.

To assemble Gearbox Installing Selector Mechanism

Position selector forks in synchroniser sleeves. Grease selector rail oil seal in rear of gearbox casing and slide it through extension housing, through 1st/2nd selector fork, position selector lever on rail, then slide rail through 3rd/top selector fork. Push rail forwards until plunger hole is in line with neutral notch. **Do not** damage oil seal. Assemble plunger and spring to their bore and fit securing screw using sealer. Fit spring pin to retain selector lever to rail.

Apply sealer to blanking plug and tap it into aperture in extension housing behind selector rail. Fit new gasket (using sealing compound) to top of gearbox. Refit cover plate.



Installing Extension Housing and Mainshaft

Fit new oil seal to selector rail aperture. Thread cord under cluster to facilitate lifting into position. Fit new gasket to extension housing (use jointing compound). Slide extension housing and main-

Side extension housing and mainshaft into position after pulling 3rd/top synchroniser sleeve forward to clear cluster gear. Ensure top gear blocker ring locates correctly. Align cutaway on extension housing with layshaft aperture in rear face of gearbox. Lift laygear into mesh with mainshaft (usingcord as detailed at beginning of this section). Make sure that thrust washer "ears" are correctly located on each side of bosses at end of gearbox case. Check: Laygear bore aligns with layshaft apertures. Push dummy layshaft home by inserting layshaft from rear. Finally, tap layshaft must be horizontal and must protrude slightly so that it locates in recess in front of extension housing. Rotate extension housing so that bolt holes align.

To Reassemble 3rd/top Synchroniser

Slide synchroniser over hub and locate a blocker bar in each of the three slots in hub. Note: If a new synchroniser unit is being installed, slide sleeve off the hub and clean all traces of preservative from hub, sleeve, blocker bars and springs. Lightly oil them. Install a blocker bar spring to run round, clockwise or anti-clockwise, inside synchroniser sleeve beneath blocker bars. Tagged end of spring must be located in U section of a blocker bar. Fit other spring to opposite face of synchroniser unit ensuring that spring tag locates in same blocker bar as spring just fitted and runs in contra rotational direction. View direct on to one side of synchroniser assembly and note direction of spring. Also, view direct on to other side of spring should be same as first spring. Position 3rd gear on mainshaft so that dog teeth face forward. Assemble

Position 3rd gear on mainshaft so that dog teeth face forward. Assemble blocker ring on 3rd gear cone. Position synchroniser assembly on mainshaft with boss forward. Locate replacer adaptor P.4090-7b so that it abuts the boss on synchroniser hub.

Press synchroniser assembly on to mainshaft as far as possible. Secure 3rd/4th synchroniser to mainshaft with new circlip. Before fitting the mainshaft and extension housing assembly to gearbox locate top gear blocker ring on main drive cone.

Reassembly of 1st/2nd Synchroniser

Assemble 2nd gear to mainshaft so that cone and dog teeth are rearwards. Slide synchroniser sleeve over hub and locate a blocker bar in each of the three slots in hub. If new hub is being used slide sleeve off and clean away all traces of preservative from components and lightly oil them.

Install a blocker bar spring to run around, clockwise or anti-clockwise, inside synchroniser sleeve beneath blocker bars. Tagged end of spring must locate in U section of a blocker bar. Fit other spring to opposite face

Supplement to "Motor Trader," 29 October, 1969

of synchroniser unit ensuring that spring tag locates in the same blocker bar as spring just fitted and runs in contra rotational direction. View direct on to one side of the synchroniser assembly and note the direction of the spring. View direct on to other side of synchroniser assembly direction of rotation of the spring should be the same as for first spring. Assemble blocker ring to cone on 2nd gear. Fit synchroniser sleeve with reverse teeth on sleeve forwards. Locate replacer P.4090-7b on synchroniser hub. Locate in press base plate 370 so that replacer fits into split rings.

Press synchroniser assembly on to mainshaft as far as possible. Secure in position with a circlip; (nonselective). Assemble a blocker ring to the 1st gear side of 1st/2nd synchro-assembly on mainshaft. Fit 1st cone side forwards to mainshaft. Position spacer (or oil slinger) on mainshaft so that the larger diameter is adjacent to 1st speed gear.

on mainshaft so that the larger diameter is adjacent to 1st speed gear. Assembly master spacer, P.7154 to mainshaft bearing recess in the extension housing. Select circlip that will obviate bearing recess end-float. Measure width of bearing and if this dimension differs from that marked on spacer select a circlip as follows:— Dimension on spacer—.6683 Thickness of main shaft brg.—.6660 Therefore required circlip must be .0023in thicker than circlip selected when using spacer. Position selected circlip loosely on mainshaft adjacent to spacer (or oil slinger). Locate replacer P.4000-31a on bearing so that recessed side abuts inner race. With split rings, P.4090-6, in press base plate, 370, locate bearing and replacer so that they will fit into split rings. Press bearing into position on mainshaft. Using thickest circlip which fits groove, secure bearing to mainshaft. Replace speedometer drive locating gear with ball bearing, fit new circlip. Heat front end of extension housing prior to refitting. **DO NOT USE WELDING TORCH.** Fit circlip to secure mainshaft bearing to extension housing. Refit speedometer driven gear and new plug.

Rear Axle

Semi-floating shafts, hypoid bevel drive. Final drive unit removable. To remove rear axle unit complete, jack up vehicle, placing supports under frame side members in front of rear springs. Remove wheels, support axle, disconnect drive shaft, handbrake cables, shock absorbers and brake pipes. Remove spring clips, nuts and plates. Draw out of axle unit. When refitting tighten spring clip nuts to 20-25lb.ft. Half shafts are interchangeable and have outer end flanges on which hub bearing housings, carrying wheel studs, register.

Inner ends are splined in differential side bevel.

Hubs run on ball bearing pressed into housings, with lipped oil seals behind. Bearing retained on axle tube ends by ring nuts and tab washers. Bevel pinion shaft runs in taper roller bearings, outer races pressed into final drive housing. Distance piece between inner races, which are nipped up by driving flange nut. Flange hub passes through lipped oil seal in housing. Bearings adjusted to give 13-19lb in pre-load with oil seal fitted with new bearings, by selective distance pieces, available in 10 lengths in .002in steps from 2.004/2.005 to 2.022/2.023. N.B. 6¹/₂-9¹/₂lb.in preload with original bearings and oil seal drag. Pinion mesh adjustment by shims

Pinion mesh adjustment by shims between pinion and inner race of rear bearing. Shims available in 30 thicknesses, .010in steps from .1304 to .1453in.

Crown wheel spigoted on onepiece differential cage and retained by eight self-locking setscrews. Differential side bevel gears have flat thrust washers behind, plant bevel pinions have spherical thrust washers. Differential assembly is carried in

with ring-nuts for bearing and mesh adjustment. Bearing caps have hollow dowels. Tighten ring-nuts to spread bearing housings .005 to .007in then turn both ring-nuts equally to adjust mesh for .005 to .007in backlash.

CHASSIS

Suspension

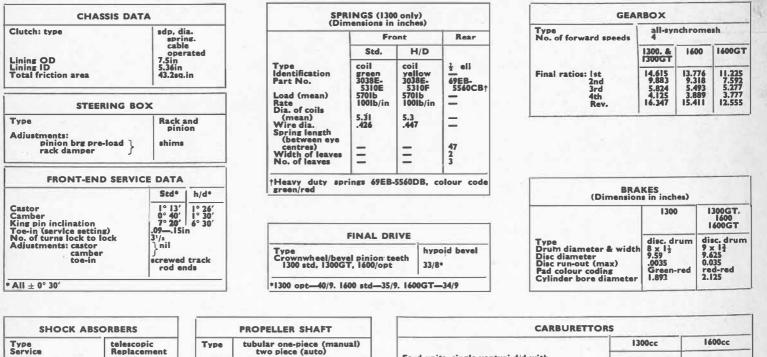
Front: Independent, MacPherson strut pattern, coil springs around telescopic shock absorbers. Lateral movement controlled by track arm and fore and alternate movement by the stabiliser bar.

Mounting points are rubber insulated. Camber, castor and king-pin inclination angles are set in manufacture and are not adjustable

Rear: Semi-elliptic leaf spring with axle asymmetrically mounted. Telescopic shock absorbers are fitted. All mounts to body use rubber bushes. Two radius arms are fitted to all models.

Steering

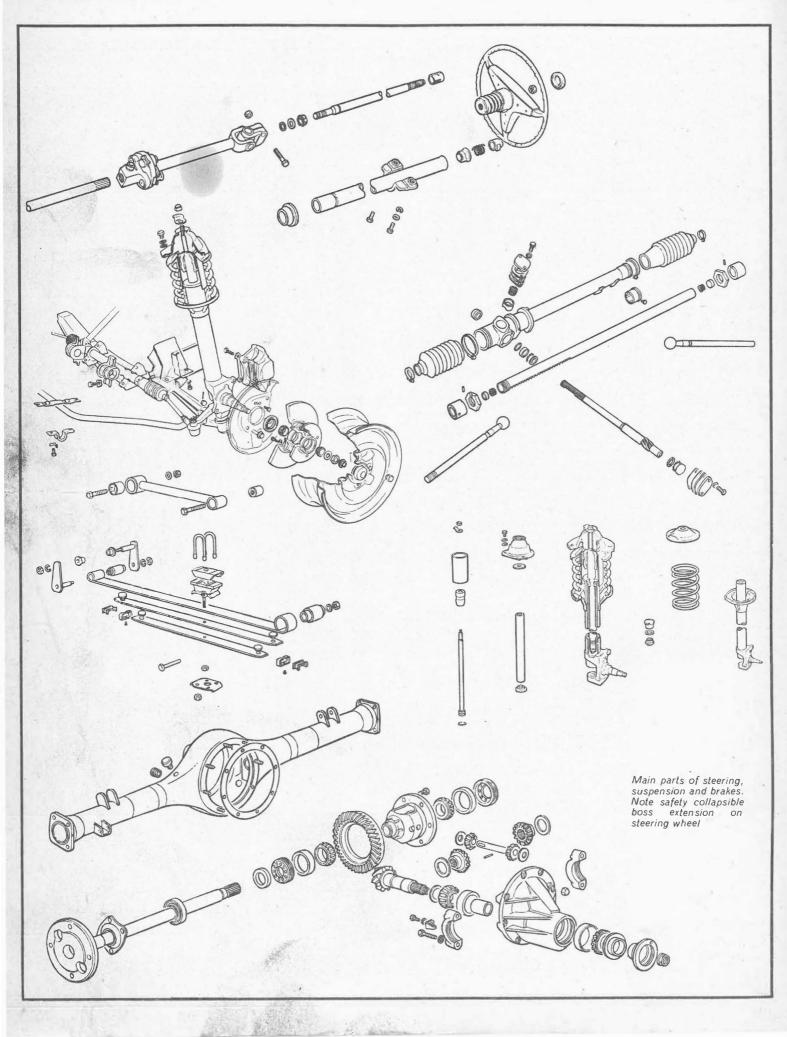
Rack and pinion, Burman manufacture. Rack travel, lock to lock, is 5.62in. There is adjustment for rack damper and pinion bearing preload, both by shims. **Note:** The pinion shim pack is on the underside.



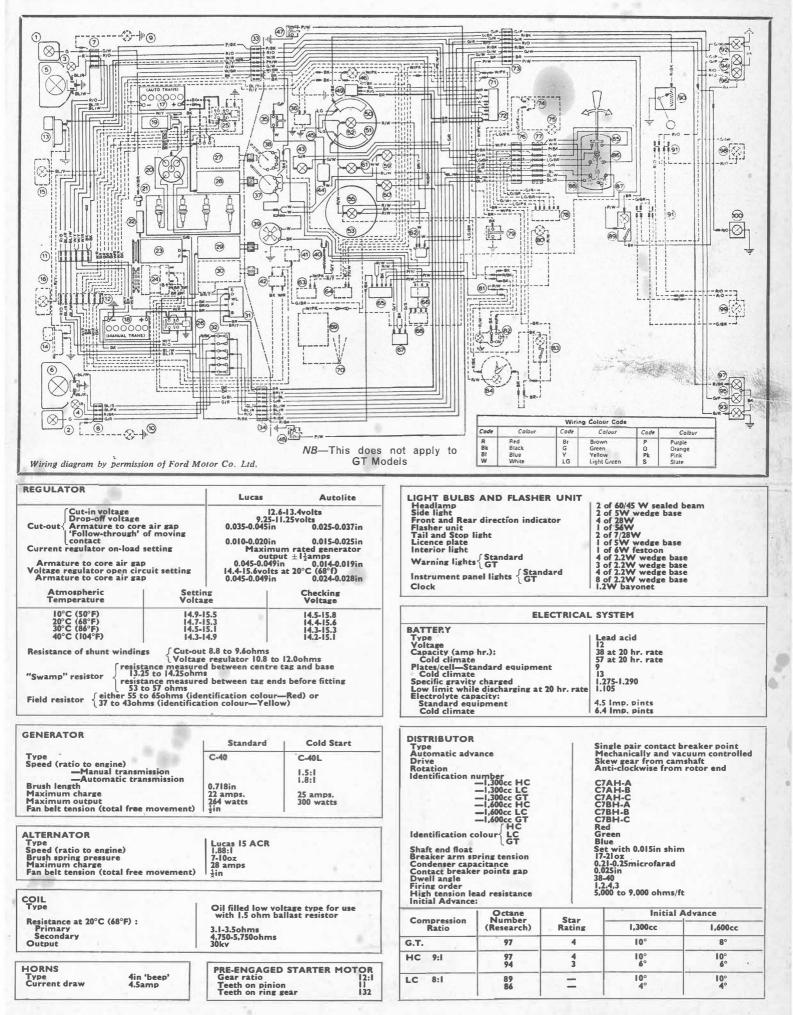
	VALVES (Dimensions in inch	ies)		
		nlet	Exhaust	
	1300	1600 & GT		
Head diameter Stem diameter Face angle Overall length	1.405-1.415 .30953105 4.377 1.497-1.507 4.277		1.240-1.250 .30863096 45 deg 4.355*	
Spring length: free fitted at load	1.48 1.263 44-491b			

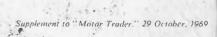
CARBURET	TORS				
	13	1300cc		1600cc	
Ford units, single venturi d/d with accelerator pump and power valve Identification—Manual choke —Auto. choke Float settins—up —down Choke plate pull down—manual Choke plate pull down—manual Throttle barrel dia. Venturi dia. Main jet—manual choke —auto. choke	C7 AH 0.14-0.1 34mm 25mm 1.32mr	1.12 to 1.38 to 16in 0.13 to	C9CH C9CH I.14in I.40in 0.16-c.1 0.15in 36mm 28mm I.50 m I.47 m	-F Iðin Im	
Weber units, dual barrel d/d Identification	1300G		1600G1 32-DFI		
	Prim.	Second	Prim.	Second	
Venturi dia, (mm) Aux, vent. (mm) Main jet (mm) Float level (mm) Choke plate pull down (mm) Choke plate opening (mm)		24 4.5 115 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		24 4.5 155 7-7.5 5 ted off	

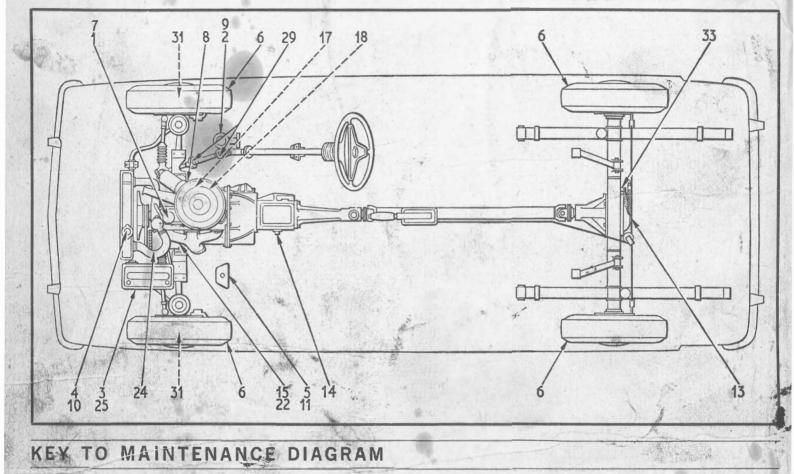
Supplement to "Motor Trader," 29 October, 1969



Supplement to "Motor Trader," 29 October, 1969







WEEKLY

- Engine sump Brake fluid reservoir Batley Radiator Screenwasher 1. 2: 31

- 45
- 6. Tyre pressures-check

FIRST 3,000 MILES

check and top up

- 13.
- RST 3,000 MILES

 Engine sump-drain and refill

 Engine oil filter element-renew

 Brake fluid reservoir

 Radiator

 Screenwasher reservoir

 Transmission fluid (auto.)

 Rear axle fluid level

 Manual transmission-drain and refill

 Generator rear bearing-oit

 Sparking plugs-clean and reset gaps

 Distributor-oil shaft bearing, auto. advance mechanism. contact breaker pivot. smear cam with grease, clean and reset points, check ignition timing

 *16 timing Fuel pump—clean filter and sediment chamber Carbinettor mixture strength and idling Valve clearances fran belt tension Generator mounting bolts Exhaust downpipe/manifold bolts

PECOMMENDED LUBBICANTS

- g } check and adjust check and
- *20. *21. *22. *23.

- Exhing downpipe/manifold bolts Radiator hoses—inspect for leaks and damage, etc. Battery condition and connections Tyre condition and legal depth of tread } check
- 24.
- *26.

- *27. Engine condition—check for water/oil leaks
 *28. Exhaust system—check for damage/leaks, etc.
 29. Suspension system and steering—check for wear
 *30. Torque of tear spring bolts—check
 31. Front brake pads and rear linings—check pad thickness, examine rear shoes for wear and check condition of self-adjusting mechanism
 *32. Braking system—check for leaks and hose chafing
 33. Handbrake cable linkage—lubricate
 *34. Door locks, catches, hinges, etc.—oil can
 *35. Clutch cable adjustment—check and adjust (if necessary) necessary)

AT 9,000 MILES (as for 3,000 Miles noting important additions/omissions) Omit: Items: 14, 18 & 30

- Add: *36. Crankcase emission valve-test and include oil filler cap *37. Seat belts-check for security and wear

AT 15,000 MILES (as for 3,000 Miles noting im-

- portant additions/omissions)
- Omit: Item 14 Add following: *38. Air cleaner element—renew

AT 21,000 MILES (as for 3,000 Miles noting important additions/omissions)

Omit: Items 14, 18 & 30 Add: Items 36 & 87

AT 27,000 MILES (as for 3,000 Miles noting important additions/omissions). Omit: Item 14 Add foilowing: *39. Front wheel bearings—strip, clean and repack with

grease

- Note: At 33,000 Miles repeat 9,000 Service add item 38 At 39,000 Miles repeat 15,000 Service omit/item 38. Check condition of brake cylinder seals, flex hoses and fluid. At 45,000 Miles repeat 9,000 Service. At 51,000 Miles repeat 15,000 Service, add item 39.

*---Not shown on diagram.

and the second second	Pints	Litres
Engine sump Gearbox Rear axle Fuel tank	7.184 1.7 2 10.5galls	4.12 .96 1.13 48
*Tyre pressures: front radial-ply rear tyres	24psi 27psi	1.7kg/cm ² 1.9kg/cm ²

	Duckhams	Castrol	Esso	Shell	Mobil	Amoco	B.P.
Engine	@5500 or @20-50	Castrol GTX	Extra Motor Oil IOW/30, 20W/50 or Unifio	Super Motor Oil	Mobiloil Special 20/50 or Mobiloil Super	Super Permalube 10W/30 or Perma- lube 20/20W or Super Permalube 20W/50	Super Visco-static 10W/40 or 20W/50
Gearbox (manual)*	NOL EP 80	Hypoy Light	Gear Oil GP 80	St Pax 80 EP	Mobilube GX 80	Amoco Multi- Purpose Gear Lubri- cant SAE80	Gear Oil SAE 80 E
Rear Axle	Hypoid 90	Нуроу	Gear Oil GP90/140	Spirax 90 EP	Mobilube GX 90	Amoco Multi- Purpose Gear Lubri- cant SAE90	Gear Oil SAE 90 E

Approved lubricants of similar grades and SAE ratings are also manufactured by Recur Oil Ltd, and Petrofina (G1. Britain), Ltd. who are suppliers to Ford Motor Co. Ltd. as are the other companies listed above. * Automatic transmission use only Ford Fluid M-2C33F.

3

Printed in Great Britain by George Rose Printers, Nursery Rd./Zion Rd., Thornton Heath, Surrey.

2