FORD CONSUL AND ZEPHYR MARK II

Manufacturers : Ford Motor Co., Ltd., Dagenham Essex

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"MOTOR TRADER" Service Data

OLLOWING the well-known Ford policy of car production, the new range of Consul and Zephyr models was introduced in the summer of 1956, five years after the original Mark I cars were made. From a service angle, cur-rent models retain orthodox features of unit construction and design which makes for conformity with other British designs. Mechanically, the engine units of the two models have been so designed that there are the maximum number of parts and components common to each. The four-cylindered Consul is now of some 1,703 c.c. capacity and the six-cylindered Zephyr and Zodiac units of 2,553 c.c. swept volume capacity. Power output has been raised as a result of the increase in internal engine size, and this is transmitted to the rear road wheels through the media of a single dry plate clutch, three-speed syn-chromesh gearbox and three-quarter floating hypoid bevel drive rear axle. As is now the case with most production cars, there are several options for varying forms of transmission; overdrive is available as also automatic transmission on the is is also automatic transmission on the six-cylindered cars. These are, as are ail other components used in the manufacture of Ford cars, of particular application to the Ford range, but the basic principles of design shown in Trader Service Supplement sheets Nos. 258/C18, 260/C19 and 272/C25 will be found to apply in most cases of service adjustment or in overhaul.

Cars are numbered in serial and are prefixed by the letters 204E Consul, 206E Zephyr and Zodiac. These numbers and letters are to be found stamped on top of the offside front suspension support member under the bonnet. Engines are stamped with the same prefix and serial number on the top face of the offside engine mounting pad when the engines are installed.

Names of makers of proprietary components are not mentioned to avoid confusion. Most of them are well known, but in many cases the components are modified to suit Ford requirements and cannot be serviced with standard replacement parts. For this reason, the Ford Motor Co. insist that all components should be serviced through their own organization.

organization. Special tools for repair work are made and marketed by Messrs, V. L. Churchill & Co., Ltd., Great South West Road, Bedfont, nr. Feltham, Middx., and carried by all Ford dealers. They are designed to speed up certain jobs, and in many cases save costly dismantling.



DISTINGUISHING FEATURES. Each of the models of the range is readily identified by the different radiator grille types. Shown above is the Zephyr, Consul cars have closer square pattern grille, and Zodiac cars have horizontal slats. Front and rear screens are of the wrap-around type and the headlamps are now hooded.

Tools which are considered most essential are listed in these pages and many of them will be seen to have alternative application to other vehicles in the range. All threads and hexagons, except those on a few proprietary components, are of the Unified thread series.

ENGINE

Mounting

At front brackets bolted on either side of engine block rest on rubbcr blocks bonded to studs and bolted to front suspension cross-member.

At rear extension casing bolted to sandwich rubber block type. Mounting on cross-member. Tighten all bolts fully. **Removal**

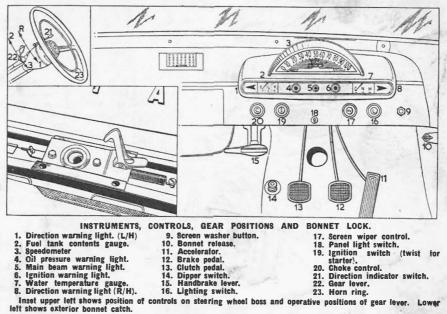
Lift out engine, leaving gearbox in place. Detach bonnet, disconnect radia-

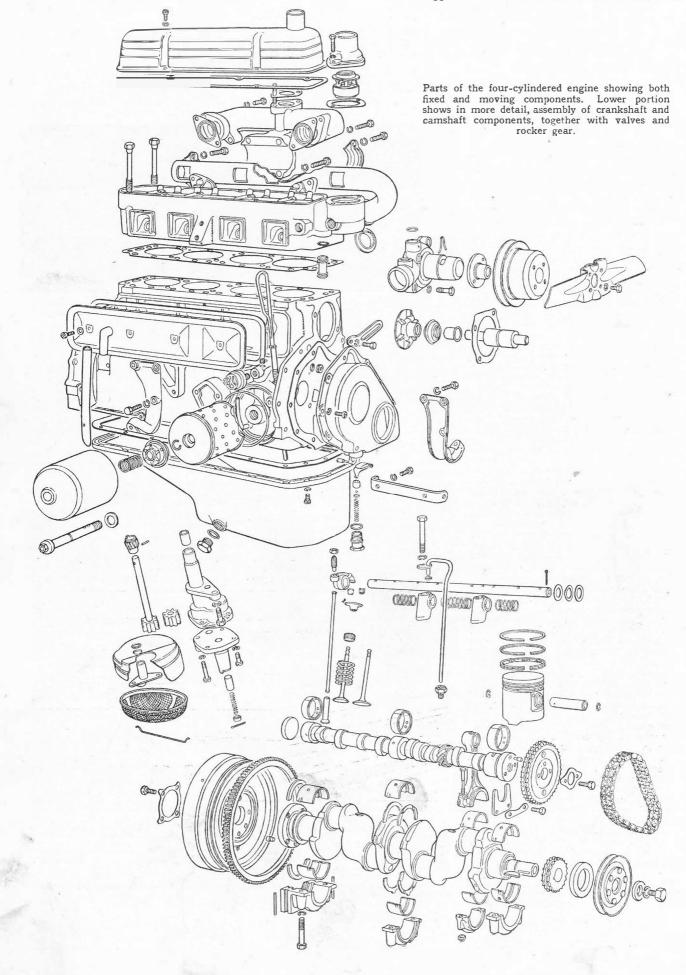
tor hoses and lift out radiator core (two setscrews each side). Disconnect all pipes, wires and controls, and remove all auxiliaries, including combined fuel and vacuum pump, oil filter, dynamo, carburettor and fan. Take weight of engine on slings round mounting brackets, remove mounting nuts, setscrews round bell-housing flange and lower cover from front of bell-housing, with clutch operating cylinder. Draw engine forward clear of clutch spigot, and lift out, swinging round to clear body.

No: 295

Manifolds and Cyl. Heads

Ported exhaust pipe, blanked off at rear end, clamped directly to ports in cylinder head. Inlet manifold, flange-bolted to head with gaskets, also clamps exhaust pipe. Assemble exhaust pipe to head (rear clamp welded to pipe) and insert clamp setcrews finger-tight. Assemble





SPECIAL TOOLS	
	Part Ne.
ENGINE	-
Cylinder head locating studs	P6015
Crankshaft gear remover	P6039
Crankshaft gear replacer	P6032
Pulley remover	CP6041
Main bearing liner remover and re-	DCOOF
placer	P6035 P6062
Valve spring compressor	P6056
Valve guide bore reamers	P0050
CLUTCH AND GEARBOX	7057
Oil seal remover (main tool)	7657
Transmission mainshaft oil seal	
adaptor	P7657-3
Transmission extension bearing re-	
mover and replacer	P7040
Transmission mainshaft oil seat re-	DTOOL
placer	P7064
Main drive gear bearing remover and	B4000 00
replacer	P4000-22
Dummy layshaft Shifter shaft and overdrive control	P7048
at all all and and and and	P7056
snart oli seal replacer	P7030
FRONT SUSPENSION	
Upper guide seat wrench adaptor	P5017-1
Spring clips	P5009
Spring clips Unit mounting sleeve	P5012
Thrust bearing locknut spanner and	-
unit locator	P5016
Upper unit assembly and thrust bear-	
ing remover and replacer	P5013
Unit piston rod upper guide seat	
wrench	P5017
REAR AXLE	
Diff. bearing adjusting nut wrench	P4007
Crown wheel and pinion backlash	
gauge	P4008
Diff. bearing pre-load gauge	P4009
Diff. bearing cone replacer	P4012
Drive pinion bearing cups remover	P4015
Drive pinion pre-load gauge	CP4030
Diff. bearing cone remover	CP4000
Rear axle housing oil seal replacer	P4035
Drive pinion bearing spacer com-	
parator	P4029-1
(gauge block)	P4029-2

inlet manifold, and tighten all setscrews evenly.

Cylinder head gasket can be assembled upside down. See that water transfer ports are at rear.

Crankshaft

Three main bearings on Consul, four on Zephyr. Thin wall, steel-backed, white-metal lined shells located by tabs. End float controlled by split thrust washers on either side of centre bearing (Consul) or No. 3 bearing (Zephyr), located by tabs in cap. Fit with oil grooves towards shaft. Washers are available .0025, .005, .0075 and 010in oversize on thickness. All undersize bearings are available either standard or .015in oversize on outside diameter.

Main bearings and thrust washers can be removed with shaft in place. No hand fitting permissible.

Flywheel, with shrunk-on starter ring gear, spigoted on rear flange of crankshaft, located by one dowel and retained by four setscrews with locking plate. Oil impregnated bronze clutch spigot bush pressed into flywheel with stepped side towards flywheel.

120 70 30 10 50 90 110
13 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0
16 14 10 4 10 30 60 80 120 170

Cylinder head stud tightening diagram. See also table of "Nut Tightening Torque Data." Timing sprocket (flat face with timing mark to front) and built-up fan pulley (with rubber bushed torsional vibration damper on Zephyr) keyed on front end of shaft with single Woodruff key and retained by setscrew and large washer in end of shaft (no provision for hand starting). Pulley hub passes through lipped oil seal in timing cover.

Rear main bearing cap fits in square recess in crankcase with rubber seals in side grooves (assemble with cap) and split composition seal in groove fitting round shaft. Sump flange gasket is in four sections, dovetailed together.

To remove sump on Zephyr, disconnect anti-roll bar U-bolts, and pull bar down to clear front of sump.

Connecting Rods

Big ends thin wall, steel-backed, whitemetal lined shells located by tabs. No hand fitting permissible. Big end bolts have self locking nuts (see "Nut Tightening Torque Data ").

Gudgeon pins fully floating, retained by circlips in piston bosses.

Pistons

Autothermic aluminium alloy, solid skirt, Invar strut. Pistons have gudgeon pin hole offset thin to off side, stamped "Front" on crown. Cylinder bores correspondingly offset to crankshaft centreline.

Lower compression ring recessed on lower face. All rings marked "bottom." Big ends will pass through cylinder bores, but pistons will not pass crank throw. Remove and assemble through top.

Camshaft

Duplex roller endless chain drive (same chain as for Anglia and Prefect). Camshaft sprocket spigoted on end of shaft, located by one dowel and retained by two setscrews with locking plate. Remove both sprockets with chain.

Camshaft runs in three (Consul) or four (Zephyr) white-metal lined steel bushes pressed into crankcase. When renewing bushes see that oil holes are in line. No hand fitting needed. End float controlled by bronze fork in groove at front end.

Valve timing marks on sprockets should be together and in line with centres. No fine adjustment for timing.

Valves

Overhead. Not interchangeable, inlet larger than exhaust. Split cone cotter fixing, single springs with close coils to head.

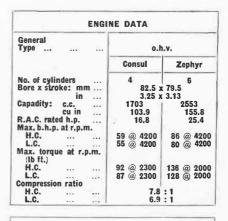
Umbrella oil seal fits around valve stem.

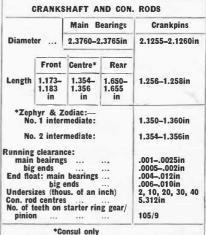
Valve guides plain, integral with head. Provision for reaming out .003, .015 and .030in oversize for service.

Tappets and Rockers

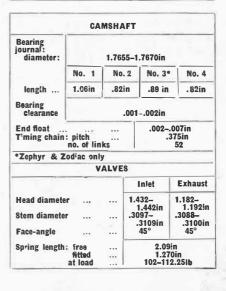
Mushroom tappets working directly in crankcase. Remove camshaft to extract. Rockers are unbushed, all interchangeable, working on hollow shaft supported in four (Consul) or six (Zephyr) pillars. Shaft located in No. 3 pillar (Consul) or No. 4 pillar (Zephyr) by end of oil feed pipe, which is held by collar on pillar stud, with rubber seal below. Rockers assembled on either side of each pillar, with separating springs between cylinders. Longer spring between Nos. 2 and 3 cylinders on Consul, between Nos.

FORD CONSUL AND ZEPHYR MARK II iii





Clearance (skir Oversizes (tho Gudgeon pin: diameter fit in piston fit in con. ro	us. of an inch)	.00020008in 2½, 5, 15, 30, 45, 60 .87458748in push fit floating
	Compression	Oil Control
No. of rings Gap Side clearance in grooves	2 .009–.014in	1 .010–.020in
Top Lower Width of	.002–.0035in .002–.003in	.001–.0025in
rings	.07750780in	.18601865in



and 3 and 4 and 5, on Zephyr. End rockers retained by split pin with two plain washers and flat spring washer between. Split pins must be vertical before oil feed pipe will locate in hole in shaft. Feed pipe slides into union at lower end, inside tappet cover, on early type engines. On current engines, oil seal is located on pipe which is push fit in block.

All except end push rods can be removed singly, but usually easier to remove rocker assembly.

Lubrication

Gear pump in sump, spigoted by integral drive housing and flange-bolted to bottom face of crankcase. Remove with skew drive gear.

Non-adjustable spring-loaded plunger relief valve in pump cover, retained by split pin and thimble. Valve set to blow off at 50-60lb, but normal running pressure (no gauge fitted) may be less.

Cooling

Pump and fan, pressurized. Thermostat in cylinder head, retained by outlet union. Pump has spring-loaded carbon and rubber unit seal.

Adjust fan belt by swinging dynamo until there is $\frac{1}{2}$ in slack either way on longest run of belt.

TRANSMISSION

Clutch

Single dry plate, sealed ball thrust release bearing. Hydraulic operation of release lever, pivoted on ball-ended stud in bell-housing, replaces normal linkage. Running adjustment on operating cylinder push rod, by nut and locknut to give $\frac{1}{16}$ in free movement of release lever. Unhook return spring before adjusting. Clevis pins on pedals are eccentric for levelling adjustment.

levelling adjustment. Access to clutch for service after removal of gearbox. Clutch backplate and pressure plate serviced only as assembly.

Gearbox

Three-speed. Synchromesh (inertia lock type) on second and top gears. Helical gears throughout, including reverse. Steering column control, with "crosschange" on column and separate links for top/2nd and lst/reverse gears. Propeller shaft yoke end slides on splined rear end of extended mainshaft, and slides in bronze bush in rear extension cover.

To remove gearbox, disconnect rear end of propeller shaft, and slide front end out of gearbox. Support rear end of engine. Disconnect speedo drive, gear change linkage and handbrake relay lever (equalizer clevis and pivot pins, leaving lever hanging on front cable end) and take off nuts holding gearbox support cross-member to body floor. Detach cover over lower front of bell-housing, with clutch operating cylinder, and take out bell-housing flange setscrews. Detach clutch operating cylinder and leave hangon pipe. Gearbox and cross-member can then be drawn back and lowered out. Oil trapped in rear extension will drain out of shaft hole when box is tilted.

of shaft hole when box is tilted. **To dismantle gearbox,** remove bellhousing and selector housing. Unscrew

Comp

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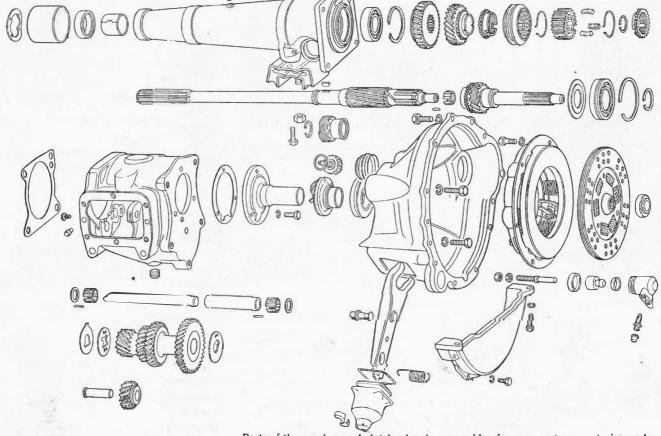
speedo drive pinion housing, and take out rear extension cover setscrews. Push synchro sleeve forward as far as it will go without engaging top gear, and pull extension cover, with mainshaft assembly, back clear of spigot bearing, then lift front end over layshaft and extract through rear opening.

through rear opening. Drive out layshaft spindle to rear, using copper drift to start, and following up with dummy layshaft (51kin long × 43/64in dia.), allowing cluster to drop. Detach front bearing cover and drift out primary shaft with ball bearing. Take out reverse idler spindle locking setscrew and draw out spindle locking setscrew and draw out spindle ($_{15}^{cin} \times 24$ T.P.I. drawhole). Lift out layshaft cluster with needle roller bearings, and bushed reverse idler, through rear opening.

To dismantle mainshaft and rear extension cover assembly, pick off top gear baulk ring (if it has not stayed on top gear cone), extract spring ring from front end of mainshaft and slide off synchro assembly, 2nd gear baulk ring, bushed 2nd gear and sliding 1st gear. Extract spring ring retaining ball bearing in extension cover, and press out shaft with bearing. Extract spring ring on shaft behind speedo drive gear and draw off gear (Woodruff key). Press shaft out of bearing.

To reassemble gearbox, reverse dismantling procedure, noting following points:—

Spring rings on front bearing outer race, retaining front bearing on primary shaft, rear bearing in housing, and speedo drive gear on mainshaft are available in three or four selective thicknesses. Rings should never be used twice, and new rings must be selected to fit snugly in



Parts of the gearbox and clutch, showing assembly of components, gear trains and their respective shafts, together with selector mechanism and gearcase.

groove when component is pressed right home. When assembling front bearing on primary shaft, note chip shield behind.

If split bronze bush in rear end of extension cover is renewed, new bush must be pressed in with split at top.

When assembling mainshaft gears after building mainshaft into rear extension cover, slide on 1st gear with fork groove to rear, 2nd gear and baulk ring (two baulk rings are identical, but should not be interchanged after use). Slide synchro sleeve on to hub same way round as found, so that longer boss of hub is to front, and insert three detents in slots in hub. Insert detent springs under detents, so that one end of each spring locates in same detent. Slide assembly on to shaft and secure with spring ring.

Spigot bearing in primary shaft has 13 needle rollers. If unworn, they should lock in place when last roller is added. Stick in place with thick grease, and screw on top gear baulk ring before inserting mainshaft.

Layshaft cluster has 20 needle rollers in each end, with distance-piece be-tween and locating rings outside. Large thrust washer at front of layshaft is steelbacked bronze, tab locating in slot in box. Two smaller thrust washers at rear. Steel-backed bronze washer is tabbed to cluster, and bronze face is towards steel washer, which is tabbed to box. assembly for end float (.005-.018in). Test

Before assembling selector housing, test that interlock sleeve, which carries selector locating balls and spring, effectively prevents two gears engaging at once. Selector sectors are slightly eccentric, so that either one can move only when other is in neutral, owing to interference of interlock sleeve. Sleeves available in six lengths. If external levers are detached, note that front lever (top/2nd) is slightly twisted. When assembling selector housing place forks on gears, and offer up housing, making sure that forks enter levers. Selector housing is located by two dowels.

Speedo drive gear and pinion ratios are: Consul 24/6, Zephyr Six 29/8. When gearbox has been reassembled in car and filled with oil, it should be topped up after running, as oil runs into rear extension housing and does not drain back back.

Propeller Shaft

Needle roller bearing universal joints. Nipples for lubrication of joints. No external sliding joint, as front yoke end slides in gearbox.

Rear Axle

Hypoid bevel drive, ²-floating shafts. Rear cover welded to banjo casing. Final

drive assembly detachable. Complete axle assembly can be passed out sideways through springs. (Dis-connect brake rods at relay levers and pull out through bell-crank eyes.)

Half-shafts (interchangeable) upset at outer end to form flange on which hub bearing housing, carrying wheel studs, registers. Inner ends splined in differential side bevel gears.

Hubs run on ball bearings pressed into housings, with lipped oil seals (lip to bearing) behind. Bearings retained on axle tube ends by ring-nuts and tabwashers.

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 12-15 lb/in preload with oil seal fitted, by selective distance-pieces, available in 10 lengths .002in steps from 2.004/2.005 to in 2.022/2.023.

Pinion mesh adjustment by shim between pinion and inner race of rear bear-ing. Shims available in ten thicknesses in .006in steps from 0.1510 to 0.1600in.

Crown wheel spigoted on one-piece differential cage and retained by eight self-locking setscrews. Differential side bevel gears have flat thrust washers behind, planet bevel pinions have spherical thrust washers.

Differential assembly carried in taper roller bearings in split housings, with ring-nuts for bearing and mesh adjust-ment. Bearing caps have hollow dowels. Tighten ring-nuts to spread bearing housings .005-.007in overall (special fixture advisable for checking spread), then turn both ring-nuts equally to adjust mesh for .005-.007in backlash.

CHASSIS

Brakes

Hydraulic. Two leading shoe front brakes with separate wheel cylinder for each shoe. Snail cam adjustment for front brakes. Tighten each adjuster until shoe is binding, then back off until free. Rear brakes have square ended adjusters and snail cam on leading shoe, tighten square ended adjuster and back off four clicks, releasing snail cam until free. Adjustment completed by retightening wedge adjusters and slacking off until shoes are just clear of drum. Car must jacked up for each wheel to be be adjusted.

Handbrake operates on rear wheels through cable in conduit to relay lever below rear of gearbox, thence through equalizer and cables to small relay levers at each spring anchorage, and from then on through rods and bell-cranks to expanders.

Rear Springs

Semi-elliptic. Loose rubber shackle bushes, bonded rubber anchorage bushes. Tighten all bolts fully with car in static

laden position. Rubber inserts in tips of three main leaves. Latest Consul models have zinc interleaves.

Front Suspension

Independent, coil springs. Telescopic shock absorbers form structural part of suspension units, being located at top in double taper roller thrust bearings anchored in rubber to top of wheel arches, and at bottom in ball joints at outer ends of lower links. Anti-roll bar, joined to outer ends of lower links by rubber bushes, gives fore-and-aft location and takes brake reaction stresses

Suspension compares with that em-ployed on Mk. I cars, and readers are referred to Service Data No. 184 for full details of assembly and overhaul procedure.

Steering Gear

Cam and lever, with ball bearing peg, later type recirculatory ball.

Cam runs in cup-and-cone ball bear-ing with 14 loose balls at each end of cam, adjusted by shims under lower cover. Upper end of column supported in tallow impregnated split felt bush, renewable with column in place.

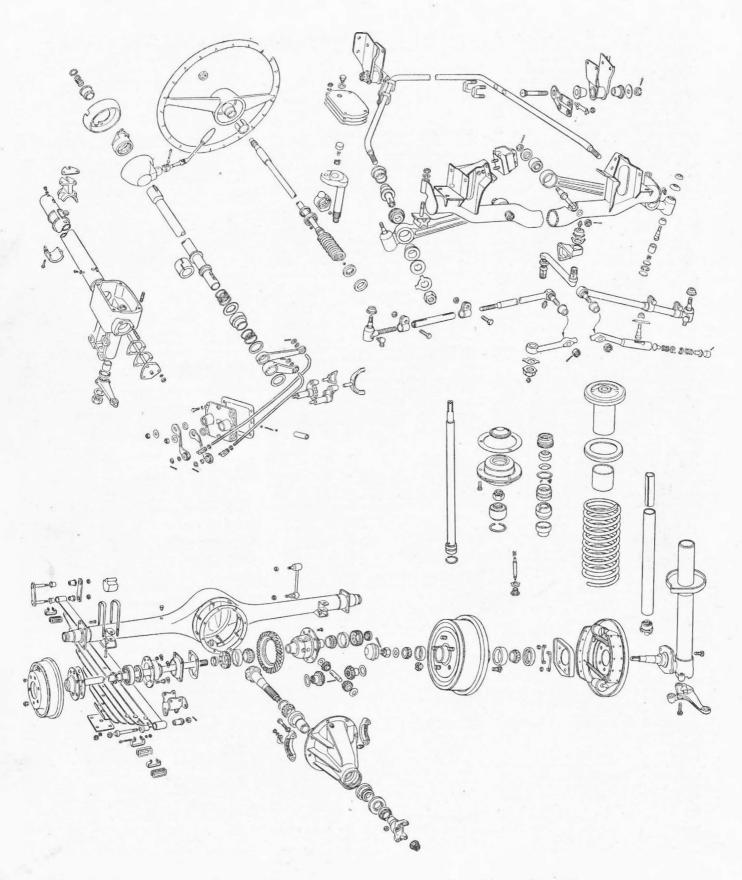
FORD CONSUL AND ZEPHYR MARK II v

		CHAS	SIS C	ATA		
		CI	LUTC	н		
Туре				s.d.p.		
				Consul	Zephyr	
Springs:	no. colour free lei	ngth	 	6 yellow 1.90in	6 Brown 1.92in	
Centre sp Linings:	C	olour		6 Mauve .155-	6 Grean .155-	
	dia. ex dia. in	t. t.		.165in 8.0in 5.25in	.165ir 8.5in 5.75in	
		GE	ARBO	x	-	
Type			synch 3	romesh		
Final "at	ios:			Consul	Zephyr	
1 st 2 nd 3 rd			 	11.67 : 1 6.75 : 1 4.11 : 1	11.08 : 1 6.40 : 1 3.90 : 1	
Rev.	ive rati:			15.86 : 1	15.06 : 1 0.7 : 1	
	P	ROPEL	LER	SHAFT		
Make Type		 	· 	Enfo needle roller bear- ing U.J.		
	-	_				
~		FINAL	DRIV	E		
Туре		***		₹-floating hypoid		
				Consul	Zephyr	
Crownwh teeth	neel/bevo	el pinio 	n 	37/9	39/10	
		B	RAKE	8		
Type				Hydraulic 9in 8.65in 2.5in 1.75in .188–.203in 147 sq in		
	1	SP	RING	S		
- Ac		1 1		Front	Rear	
coils) No. of le Free can Loaded	or mea	n dia. coils) ength, c	oF	4.3in 10.44 16.7in 9.24in @ 698-7221b*	41.94- 42.06in 2in 6 5.898in .058in	
	• Zephy	r and Z	Zodiac	777-803 lb		
	SI	носк	ABSO	RBERS		
Type Service					double act cylinder I-up	
		STEE	RING	BOX		
Туре	-			Worm an	d ball peg*	

* Latest type: recirculating ball. FRONT-END SERVICE DATA $\frac{1}{1}^{\circ} \frac{10}{-21}^{\circ}$ $\frac{1}{2}^{\circ} - \frac{21}{2}^{\circ}$ $\frac{31}{2}^{\circ} - \frac{41}{2}^{\circ}$ Caster Camber King pin inclination Toe-in ... ta-tin Toe-in No. of turns lock to lock ... Adjustments: castor ... camber ... toe-in ... nil screwed track rod

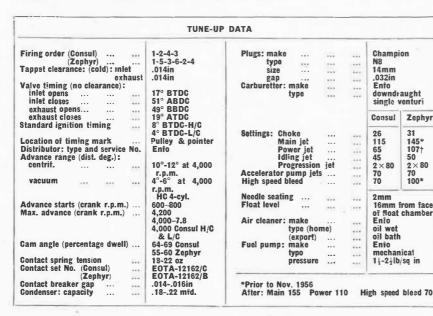
ends

Lever peg carried in ball thrust bearing with eight loose balls running directly in lever and retained by spring ring. End play of lever shaft restrained by springloaded plunger in screwed sleeve in top cover, with locknut, which governs mesh of peg in cam. Lever shaft runs directly in casing.



Parts of the front and rear suspension assemblies, with below rear axle components and hub assembly and above left, steering box unit and linkages.

Supplement to "Motor Trader," 26 March, 1958



LOW BEAM FLASHER -FLASHER MAIN BEAM LOW BEAM RED . GREEN TRACER V STO SIDE LAMP BLACK . YELLOW TRACER SPARKING PLUGS BLACK - YELLOW OIL PRESSURE DISTRIBUTOR GREEN - RED TRACER VIOLET Đ GENERATO WHITE - RED 6 BLACK WHITE BLACK TRACER RED 000 -1 1 -8 -0 - HORNS STARTER EMPERATURE GAUGE UNIT GREEN TEM YELLOW D (I) WHITE 1 Ð BATTERY 中 8 BLUE . YELLOW HORN RELAY BLACK RED STOP LAMP 500 RED . WHITE TRACER GREEN -A10 60 COIL FRED YELLOW BLACK TRACER WHITE - BLACK BLACK - GREEN TRACER-STARTER SOLENOID TELLOW DIPPER (LONO REGUe la BLOWER YELLOW-FLASHER GREEN FF 000 BROWN YELLOW 1 P 1RACER BLACK BLUE 10 FUEL GAUGEim RED CIGAR LIGHTER MAAA PAESS TEMP. GAUGE 10 E the state TRACER ā ā CONNECT RADIO L.T. CONNECTO BLACK -BLUE TRACER YELLOY RED-WHITE BROWN WHITE TRACER BLACK BROWN YELLOW - WHITE BLACK COURTESY VIOLET - GREEN PANEL 50 6 HEATER IGNITION BLACK DIRECTION INDICATOR SWITCH 60 VIOLET - RED

YELLOW - BLACK TRACER

TANK LINIT

0

LICENCE PLATE LAMPS

YELLOW . RED TRACER CLOCK

LIGHTING SWITCH

COURTESY SWITCH

RED - GREEN TRACER

REAR LAMP

FLASHER

VIOLET

GREEN . RED TRACER

0

STOP LAMP

B

REAR LAMP

INTERIOR LAME

RED - WHITE

FLASHER-

BATTERY lead acıd 12 Type ... Voltage ... Consul Zephyr No. of plates Capacity 9 9 57 ah 45 ah Spec. gravity: charged 1.27-1.285 d[;]scharged 1.110 72 amp/hr DYNAMO Type Service No. Rotation (comm. end) Cut-in volts at r.p.m. shunt wound ... clockw³se 13 @ 964 228 watts Max. output 5 amps @ 12 volts 6.1 ohms Max. reverse current Field resistance Brush tension -----22-25 oz ... CONTROL BOX Service No. Cut-out: cut-in voltage Regulator voltage: 10°C (50°F) 30°C (88°F) 40°C (104°F) CONTROL BOX EOTA 10505-D 12.7-13.3 volts 15.7-16.1 15.6-16.0 15.5-15.9 15.4-15.8 STARTER EOTA-11001-3 Service No. Rotation (comm. end) Lock torque (lb/ft amps) Brush tension clockwise 9.6/380 30-40 oz COI). GUIL Type Service No. Primary resistance (Lucas type) Primary resistance (Delco-Remy type) Secondary resistance (Lucas type) oil filled, 12v 100E-12024 3.2-3.4 ohms* 4.15-4.55 ohms* type) ... Secondary re Remy type) 4700-4800 ohms* resistance (Delco-5500-7100 ohms* *At 68°F.

		Model	Service No.
Hoadlamps		All	204E-13005-B
Side lamps		Consul	204E-13200-B
Zephyr 10/57		Zodiac	206E-13200-A
Flasher Zephyr 1	2/56/	10/57	206E-13200-C
Stop/tail Lamps		Consul	E111-NC-2
		Zephyr	206E-13407-A
Flasher		Zodiac	208E-13407-B
Reversing lamp		All	204E-15500
Number plate lamp	244	All	204E-13550-A
Starter solenoid swi	tch	All	EOTTA-11450
Lighting switch		All	100E-11654-B
Ignition switch		All	204E-11572-A
Fog lamp switch		All	EOTTA-15224
Trafficator switch			206E-13341-B
Flasher unit		All	100E-13350-B
Screenwiper		All	204E-17500-A
Fuse box			2E-14525
Horns: high note		All	204E-13802
			EOA-13802-B
low note		All	204E-13801

	BULBS		
	Volt- tage	Wattage	Cap
Headlamps: dip left dip right vertical	12 12	42/36 42/36	Prefocus Prefocus
dip 👝	12	42/38	Prefocus
Side lamps: standard	12	6/21	SBC
flasher	12	6/21	SBC
Stop/tail lamps:	10	01/6	000
Standard Flasher	12 12	21/6 21	SBC SCC
Number plate lamp	12	6	MCC
Ignition	12	3	MES
Oil warning lamp	12	3	MES
Panel lamps	12	3 (2 off)	MES
Interior lamp	12	6	Fastoon
Beam and flasher	1 3		
warning lamps	12	3	MES
	USES		
Accessories	USES	2 x 35	

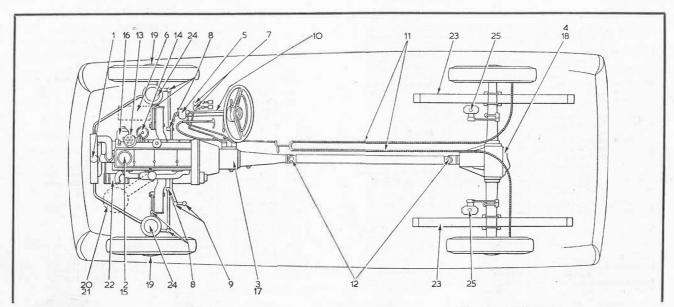
Contraction of the second

FORD CONSUL AND ZEPHYR MARK II vi

ELECTRICAL TEST DATA

- and

viii Ford Consul and Zephyr Mark II



MAINTENANCE DIAGRAM

DAILY 1. Radiator 2. Engine sump } check and top up

TO

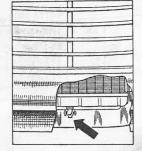
KEY

EVERY 5,000 MILES

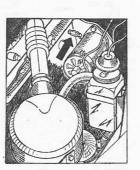
15. Engine sump -drain, flush and refill.

- 16. Engine oil filter-renew.
- 17. Gearbox 18. Rear axle } drain, flush and refill.
- 19. Front wheel hubs-remove and repack with bearing grease.
- 20. Air cleaner (oil wet)-wash in petrol and re-oil.
- Air cleaner (oil bath)—wash element in petrol, refill with engine oil.
 Generator—a few drops of engine oil to oil hole in rear bearing boss. 23. Rear road springs-spray with penetrating
 - oil
- 24. Front suspension units top up with shock 25. Kear shock absorbers absorber fluid

DRAINING POINTS



Left : Shows radia-tor matrix drain tap situated in base plate, access from beneath. Right : Cylinder block drain tap at nearside rear of engine adjacent to starter motor.



Pints Litres 3.41 3.98 1.42 1.42 11.16 12.49 47.73 *Engine sump: Consul Zephyr 67 ... Gearbox ... Rear axle ... 21/2 21/2 18 Cooling system: Consul Zephyr 22 ... 101 gall. 24-28 ib/ 1.68-1.97 kg/cm² 1.68 kg/cm² sq in 24 lb/sq in (Zephyr) * 11 pints for dry oil filter.

FILL-UP DATA

GENE	RAL	DATA		
Wheelbase (Consul)			8ft	8½in
(Zephyr)	•••		8ft	11in
Track:	100		- 100	1.0
Front and rear (Cons			4ft	4.8in
Front and rear (Zept			4ft	
[urning circle (Consul))		35ft	Oin
Zephyr)		36ft	Oin
Ground clearance:				
(Consul and Zephyr)			1.1.1	6±in
(Zodiac)				6ŝin
Tyre size:				
Front and rear (Cons	sul)		5.9	0-13
Front and rear (Zept		1d		
Zodiac)			6.4	0-13
Overall length (witho	out c	ver-		
riders (Consul)			149t	4±in
Overall length (with		ver-	14/1	-4.00
riders) (Zephyr)			1494	10‡in
Overall width (Zephyr a	and Z	(acibe	5ft	9in
Overall width (Consul)			5it	
				8žin 2in*
Weight (kerb) (Consu				504Ib
(Zephy				6911b
(Zodia	C)		2,	738lb
Unladen.			_	-
Uniauen,				

RECOMMENDED LUBRICANTS

	Duckhams	Wakefield	Esso	Shell	Mobil	Vigzol	B.P.
Engine: Summer and winter	NOL 20	Castrolite	Extra Motor Oil 20W/30	X-100 20/20W	Mobiloil Arctic	New D.20	Energol SAE 20W
Gearbox, steering box (not automatic trans- mission)	NOL EP 80 Transmission Oil	Castrol Hypoy Light	Expee Compound 80	Spirax 80 EP	Mobilube GX 80	Hyex 80	Energol EP SAE 80
Rear axle	NOL Hypoid 90	Castrol Hypoy Gear Oil	Expee Compound 90	Spirax 90 EP	Mobilube GX 90	Vitapoid 90	Energol EP SAE 90

Printed in England by Cornwall Press Ltd., Paris Garden, London, S.E.1.