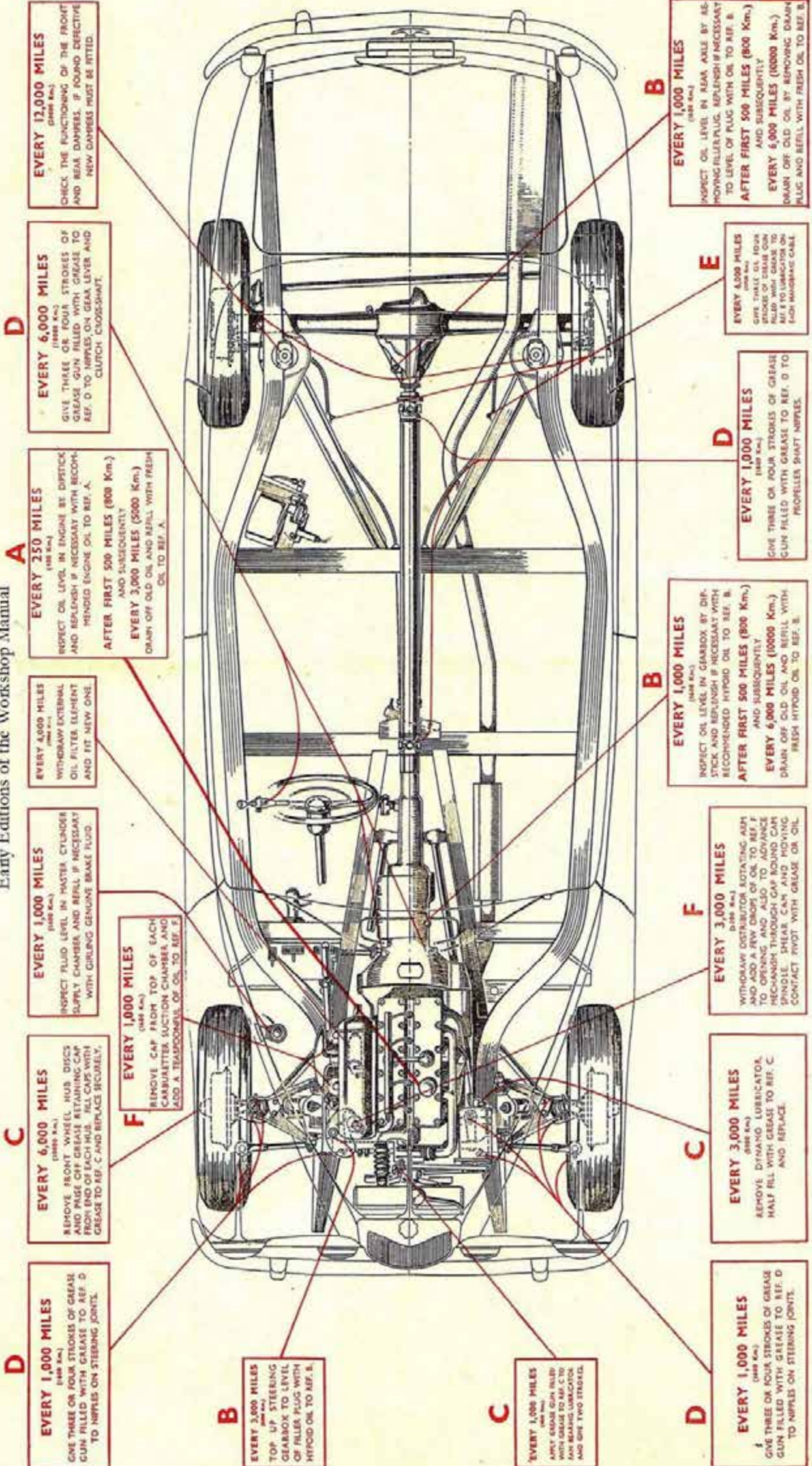


# THE RILEY PATHFINDER LUBRICATION CHART

Note: This is the Lubrication Sheet from  
Early Editions of the Workshop Manual



**D**  
**EVERY 1,000 MILES**  
(1600 Km.)  
GIVE THREE OR FOUR STROKES OF GREASE GUN FILLED WITH GREASE TO REF. D TO NIPPLES ON STEERING JOINTS.

**C**  
**EVERY 6,000 MILES**  
(10000 Km.)  
REMOVE FRONT WHEEL HUB DISCS AND WASH OFF GREASE RETAINING CAP FROM END OF EACH HUB. FILL CAPS WITH GREASE TO REF. C AND REPLACE SECURELY.

**EVERY 1,000 MILES**  
(1600 Km.)  
INSPECT FLUID LEVEL IN MASTER CYLINDER SUPPLY CHAMBER AND RE-FILL IF NECESSARY WITH GENUINE BRAKE FLUID.

**EVERY 4,000 MILES**  
(6400 Km.)  
WITHDRAW EXTERNAL OIL FILTER ELEMENT AND FIT NEW ONE.

**A**  
**EVERY 250 MILES**  
(400 Km.)  
INSPECT OIL LEVEL IN ENGINE BY DIPSTICK AND REPLENISH IF NECESSARY WITH RECOMMENDED ENGINE OIL TO REF. A.  
**AFTER FIRST 500 MILES (800 Km.) AND SUBSEQUENTLY**  
**EVERY 3,000 MILES (5000 Km.)**  
DRAIN OFF OLD OIL AND RE-FILL WITH FRESH OIL TO REF. A.

**D**  
**EVERY 6,000 MILES**  
(10000 Km.)  
GIVE THREE OR FOUR STROKES OF GREASE GUN FILLED WITH GREASE TO REF. D TO NIPPLES ON GEAR LEVER AND CLUTCH CROSS-SHAFT.

**B**  
**EVERY 3,000 MILES**  
(4800 Km.)  
TOP-UP STEERING GEARBOX TO LEVEL OF FILLER PLUG WITH HYPOID OIL TO REF. B.

**F**  
**EVERY 1,000 MILES**  
(1600 Km.)  
REMOVE CAP FROM TOP OF EACH CARBURETTOR SUCTION CHAMBER AND ADD A TEASPOONFUL OF OIL TO REF. F.

**EVERY 1,000 MILES**  
(1600 Km.)  
INSPECT OIL LEVEL IN REAR AXLE BY REMOVING FILLER PLUG. REPLENISH IF NECESSARY TO LEVEL OF FILLER PLUG WITH OIL TO REF. B.  
**AFTER FIRST 500 MILES (800 Km.) AND SUBSEQUENTLY**  
**EVERY 6,000 MILES (10000 Km.)**  
DRAIN OFF OLD OIL BY REMOVING DRAIN PLUG AND RE-FILL WITH FRESH OIL TO REF. B.

**EVERY 1,000 MILES**  
(1600 Km.)  
GIVE THREE OR FOUR STROKES OF GREASE GUN FILLED WITH GREASE TO REF. D TO PROPELLER SHAFT NIPPLES.

**D**  
**EVERY 1,000 MILES**  
(1600 Km.)  
GIVE THREE OR FOUR STROKES OF GREASE GUN FILLED WITH GREASE TO REF. D TO PROPELLER SHAFT NIPPLES.

**E**  
**EVERY 4,000 MILES**  
(6400 Km.)  
GIVE THREE OIL FOUR STROKES OF GREASE GUN FILLED WITH GREASE TO REF. E TO EACH MAINDRIVE GEAR.

**C**  
**EVERY 3,000 MILES**  
(4800 Km.)  
REMOVE DISTRIBUTOR ROTATING ARM AND ADD A FEW DROPS OF OIL TO REF. F TO OILING AND ALSO TO ADVANCE RECHAMBER THROUGH GAP ROUND CAR SPINDLE. SPREAD CAR AND PIVOTING CONTACT PIVOT WITH GREASE OR OIL.

**F**  
**EVERY 3,000 MILES**  
(4800 Km.)  
REMOVE DYNAMO LUBRICATOR. HALF FILL WITH GREASE TO REF. C AND REPLACE.

**B**  
**EVERY 1,000 MILES**  
(1600 Km.)  
INSPECT OIL LEVEL IN GEARBOX BY DIPSTICK AND REPLENISH IF NECESSARY WITH RECOMMENDED HYPOID OIL TO REF. B.  
**AFTER FIRST 500 MILES (800 Km.) AND SUBSEQUENTLY**  
**EVERY 6,000 MILES (10000 Km.)**  
DRAIN OFF OLD OIL AND RE-FILL WITH FRESH HYPOID OIL TO REF. B.

**D**  
**EVERY 1,000 MILES**  
(1600 Km.)  
GIVE THREE OR FOUR STROKES OF GREASE GUN FILLED WITH GREASE TO REF. D TO PROPELLER SHAFT NIPPLES.

**D**  
**EVERY 1,000 MILES**  
(1600 Km.)  
GIVE THREE OR FOUR STROKES OF GREASE GUN FILLED WITH GREASE TO REF. D TO PROPELLER SHAFT NIPPLES.

**B**  
**EVERY 1,000 MILES**  
(1600 Km.)  
INSPECT OIL LEVEL IN REAR AXLE BY REMOVING FILLER PLUG. REPLENISH IF NECESSARY TO LEVEL OF FILLER PLUG WITH OIL TO REF. B.  
**AFTER FIRST 500 MILES (800 Km.) AND SUBSEQUENTLY**  
**EVERY 6,000 MILES (10000 Km.)**  
DRAIN OFF OLD OIL BY REMOVING DRAIN PLUG AND RE-FILL WITH FRESH OIL TO REF. B.

**D**  
**EVERY 1,000 MILES**  
(1600 Km.)  
GIVE THREE OR FOUR STROKES OF GREASE GUN FILLED WITH GREASE TO REF. D TO NIPPLES ON STEERING JOINTS.

**C**  
**EVERY 3,000 MILES**  
(4800 Km.)  
REMOVE DISTRIBUTOR ROTATING ARM AND ADD A FEW DROPS OF OIL TO REF. F TO OILING AND ALSO TO ADVANCE RECHAMBER THROUGH GAP ROUND CAR SPINDLE. SPREAD CAR AND PIVOTING CONTACT PIVOT WITH GREASE OR OIL.

**B**  
**EVERY 1,000 MILES**  
(1600 Km.)  
INSPECT OIL LEVEL IN GEARBOX BY DIPSTICK AND REPLENISH IF NECESSARY WITH RECOMMENDED HYPOID OIL TO REF. B.  
**AFTER FIRST 500 MILES (800 Km.) AND SUBSEQUENTLY**  
**EVERY 6,000 MILES (10000 Km.)**  
DRAIN OFF OLD OIL AND RE-FILL WITH FRESH HYPOID OIL TO REF. B.

**D**  
**EVERY 1,000 MILES**  
(1600 Km.)  
GIVE THREE OR FOUR STROKES OF GREASE GUN FILLED WITH GREASE TO REF. D TO PROPELLER SHAFT NIPPLES.

**D**  
**EVERY 1,000 MILES**  
(1600 Km.)  
GIVE THREE OR FOUR STROKES OF GREASE GUN FILLED WITH GREASE TO REF. D TO PROPELLER SHAFT NIPPLES.

**B**  
**EVERY 1,000 MILES**  
(1600 Km.)  
INSPECT OIL LEVEL IN REAR AXLE BY REMOVING FILLER PLUG. REPLENISH IF NECESSARY TO LEVEL OF FILLER PLUG WITH OIL TO REF. B.  
**AFTER FIRST 500 MILES (800 Km.) AND SUBSEQUENTLY**  
**EVERY 6,000 MILES (10000 Km.)**  
DRAIN OFF OLD OIL BY REMOVING DRAIN PLUG AND RE-FILL WITH FRESH OIL TO REF. B.

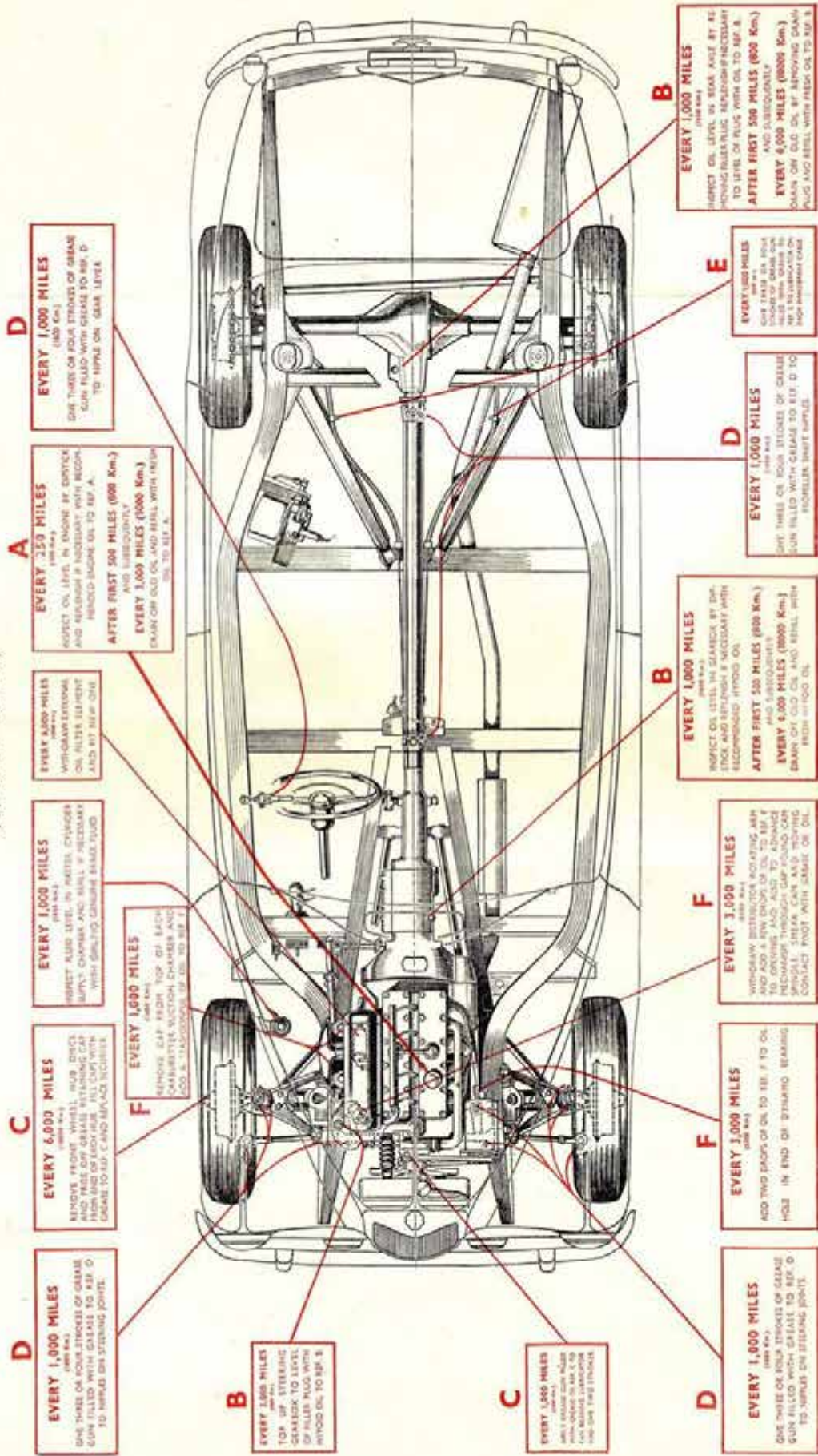
**EVERY 1,000 MILES (1600 Km.). USE OILCAN FILLED WITH OIL TO REF. F ON ALL CONTROL JOINTS, DOOR LOCKS, HINGES, ETC.**

**NOTE:**—In extreme conditions of cold consistently below 32°F. (0°C.) use the lighter grades of oil recommended.



# THE RILEY PATHFINDER LUBRICATION CHART

(Up to Car No. 3675)



EVERY 3,000 MILES (5,000 Km.). USE OILCAN FILLED WITH OIL TO REF. F ON ALL CONTROL JOINTS, DOOR LOCKS, HINGES, ETC.

NOTE:—In extreme conditions of cold consistently below 32° F. (0° C.) use the lighter grades of oil recommended.

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## MULTIGRADE MOTOR OILS

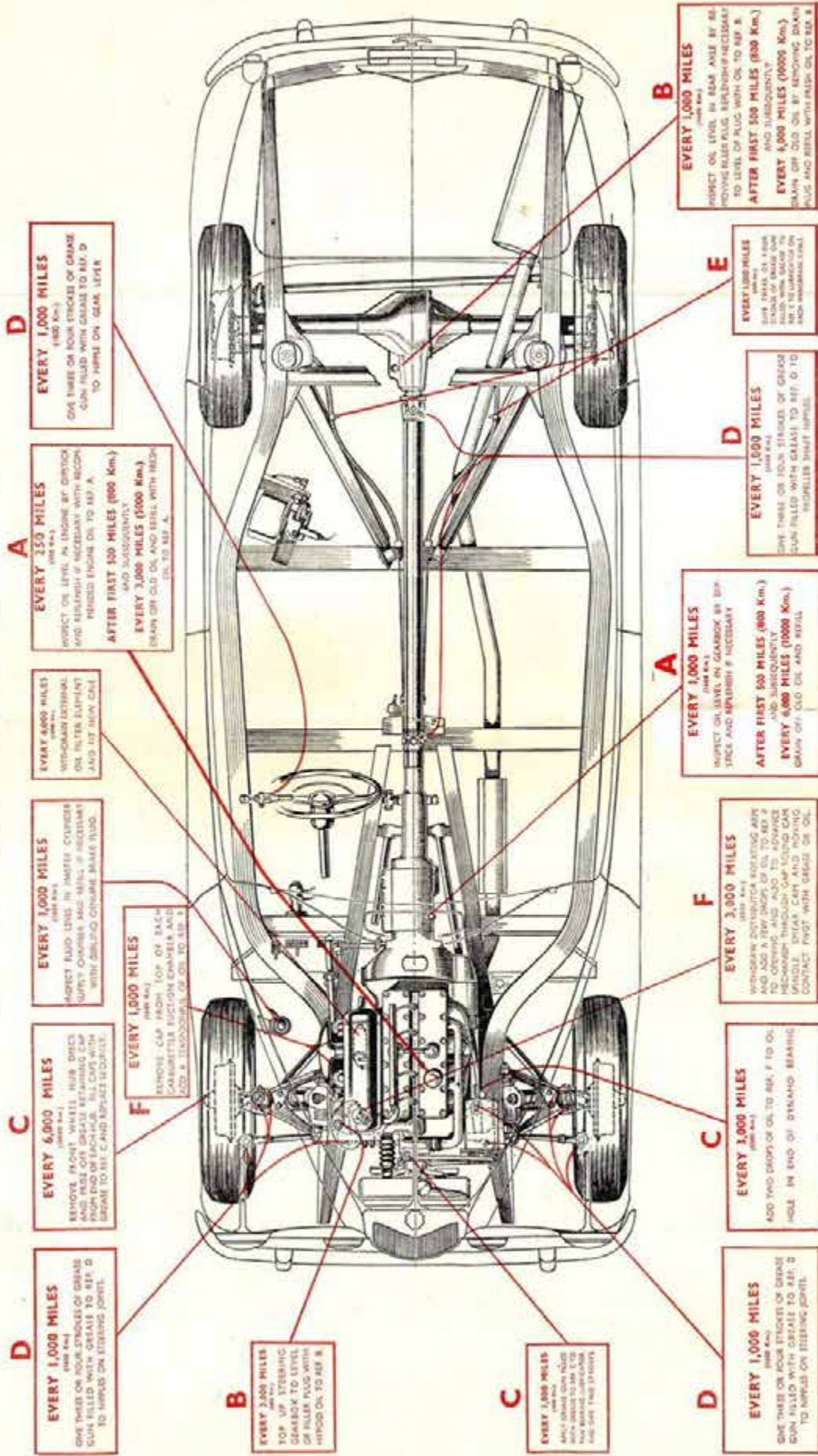
In addition to the recommended lubricants listed in the Manual, we approve the use of these new motor oils, as produced by the oil companies shown in our Manual, for all climatic temperatures unless the engine is old and in poor mechanical condition. Some are more expensive than the recommended motor oils because of their special properties and greater fluidity at low temperatures.  
We also draw your attention to the simpler grease requirements for your vehicle by the use of the multipurpose lithium greases.

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# THE RILEY PATHFINDER LUBRICATION CHART

(Cars with the later type Gearbox, commencing Car No. 3676)



**D**  
**EVERY 1,000 MILES**  
(1600 Km.)  
GIVE THREE OR FOUR STROKES OF GREASE GUNS FILLED WITH GREASE TO REF. D TO SPRINGS ON STEERING JOINTS.

**C**  
**EVERY 6,000 MILES**  
(10000 Km.)  
REMOVES FRONT WHEEL RUB DRUMS AND PULLS OFF GREASE RETAINING CAP FROM END OF EACH HUB. RE-GREASE WITH GREASE TO REF. C AND REPLACES SECURITY.

**C**  
**EVERY 1,000 MILES**  
(1600 Km.)  
ADJUST FLUID LEVELS IN MASTER CYLINDER SUPPLY CHAMBER AND RE-FILL IF NECESSARY WITH BRILLOU-GUMMINE BRAKE FLUID.

**A**  
**EVERY 6,000 MILES**  
(10000 Km.)  
WITHOUT REMOVAL OF FILTER ELEMENTS AND NOT RE-FILL OIL.

**A**  
**EVERY 150 MILES**  
(240 Km.)  
INSPECT OIL LEVEL IN ENGINE BY DRAINING AND RE-FILLING IF NECESSARY TO LEVEL OF PLUG WITH OIL TO REF. B AND SUBSEQUENTLY.

**D**  
**EVERY 1,000 MILES**  
(1600 Km.)  
GIVE THREE OR FOUR STROKES OF GREASE GUNS FILLED WITH GREASE TO REF. D TO SPRINGS ON GEAR LEVER.

**F**  
**EVERY 1,000 MILES**  
(1600 Km.)  
REMOVE CAP FROM TOP OF EACH CARBURETTOR SUCTION CHAMBER AND ADD & TRANSFER OIL TO REF. F.

**A**  
**EVERY 3,000 MILES**  
(5000 Km.)  
DRAIN OFF OLD OIL AND RE-FILL WITH FRESH OIL TO REF. A.

**A**  
**EVERY 150 MILES**  
(240 Km.)  
INSPECT OIL LEVEL IN ENGINE BY DRAINING AND RE-FILLING IF NECESSARY TO LEVEL OF PLUG WITH OIL TO REF. B AND SUBSEQUENTLY.

**D**  
**EVERY 1,000 MILES**  
(1600 Km.)  
GIVE THREE OR FOUR STROKES OF GREASE GUNS FILLED WITH GREASE TO REF. D TO SPRINGS ON GEAR LEVER.

**B**  
**EVERY 3,000 MILES**  
(5000 Km.)  
TOP UP STEERING GEARBOX TO LEVEL OF FILLER PLUG WITH HYPOID OIL TO REF. B.

**C**  
**EVERY 1,000 MILES**  
(1600 Km.)  
ADD TWO DROPS OF OIL TO REF. F TO OIL HOLE IN END OF STEERING BEARING CONTACT POINT AND POKING CONTACT POINT WITH GREASE TO REF. C.

**C**  
**EVERY 1,000 MILES**  
(1600 Km.)  
WITHDRAW POTENTIOMETER ADJUSTING AIRS AND ADD A FEW DROPS OF OIL TO REF. F TO OILING AND ALSO TO ADVANCE MECHANISM THROUGH GAP-TOUCH CAR (MIDDLE) SPRING CAP AND POKING CONTACT POINT WITH GREASE TO REF. C.

**A**  
**EVERY 1,000 MILES**  
(1600 Km.)  
INSPECT OIL LEVEL IN GEARBOX BY DRAINING AND RE-FILLING IF NECESSARY.

**D**  
**EVERY 1,000 MILES**  
(1600 Km.)  
GIVE THREE OR FOUR STROKES OF GREASE GUNS FILLED WITH GREASE TO REF. D TO PARALLEL SHOCK SPRINGS.

**B**  
**EVERY 1,000 MILES**  
(1600 Km.)  
INSPECT OIL LEVEL IN REAR AXLE BY REMOVING FILLER PLUG. RE-FILLING IF NECESSARY TO LEVEL OF PLUG WITH OIL TO REF. B AND SUBSEQUENTLY.

**C**  
**EVERY 1,000 MILES**  
(1600 Km.)  
GIVE THREE OR FOUR STROKES OF GREASE GUNS FILLED WITH GREASE TO REF. D TO SPRINGS ON STEERING JOINTS.

**C**  
**EVERY 1,000 MILES**  
(1600 Km.)  
ADD TWO DROPS OF OIL TO REF. F TO OIL HOLE IN END OF STEERING BEARING CONTACT POINT AND POKING CONTACT POINT WITH GREASE TO REF. C.

**C**  
**EVERY 1,000 MILES**  
(1600 Km.)  
WITHDRAW POTENTIOMETER ADJUSTING AIRS AND ADD A FEW DROPS OF OIL TO REF. F TO OILING AND ALSO TO ADVANCE MECHANISM THROUGH GAP-TOUCH CAR (MIDDLE) SPRING CAP AND POKING CONTACT POINT WITH GREASE TO REF. C.

**A**  
**EVERY 1,000 MILES**  
(1600 Km.)  
INSPECT OIL LEVEL IN GEARBOX BY DRAINING AND RE-FILLING IF NECESSARY.

**D**  
**EVERY 1,000 MILES**  
(1600 Km.)  
GIVE THREE OR FOUR STROKES OF GREASE GUNS FILLED WITH GREASE TO REF. D TO PARALLEL SHOCK SPRINGS.

**B**  
**EVERY 1,000 MILES**  
(1600 Km.)  
INSPECT OIL LEVEL IN REAR AXLE BY REMOVING FILLER PLUG. RE-FILLING IF NECESSARY TO LEVEL OF PLUG WITH OIL TO REF. B AND SUBSEQUENTLY.

**C**  
**EVERY 1,000 MILES**  
(1600 Km.)  
GIVE THREE OR FOUR STROKES OF GREASE GUNS FILLED WITH GREASE TO REF. D TO SPRINGS ON STEERING JOINTS.

**C**  
**EVERY 1,000 MILES**  
(1600 Km.)  
ADD TWO DROPS OF OIL TO REF. F TO OIL HOLE IN END OF STEERING BEARING CONTACT POINT AND POKING CONTACT POINT WITH GREASE TO REF. C.

**C**  
**EVERY 1,000 MILES**  
(1600 Km.)  
WITHDRAW POTENTIOMETER ADJUSTING AIRS AND ADD A FEW DROPS OF OIL TO REF. F TO OILING AND ALSO TO ADVANCE MECHANISM THROUGH GAP-TOUCH CAR (MIDDLE) SPRING CAP AND POKING CONTACT POINT WITH GREASE TO REF. C.

**A**  
**EVERY 1,000 MILES**  
(1600 Km.)  
INSPECT OIL LEVEL IN GEARBOX BY DRAINING AND RE-FILLING IF NECESSARY.

**D**  
**EVERY 1,000 MILES**  
(1600 Km.)  
GIVE THREE OR FOUR STROKES OF GREASE GUNS FILLED WITH GREASE TO REF. D TO PARALLEL SHOCK SPRINGS.

**B**  
**EVERY 1,000 MILES**  
(1600 Km.)  
INSPECT OIL LEVEL IN REAR AXLE BY REMOVING FILLER PLUG. RE-FILLING IF NECESSARY TO LEVEL OF PLUG WITH OIL TO REF. B AND SUBSEQUENTLY.

**EVERY 1,000 MILES (1600 Km.). USE OILCAN FILLED WITH OIL TO REF. F ON ALL CONTROL JOINTS, DOOR LOCKS, HINGES, ETC.**  
**NOTE**—In extreme conditions of cold consistently below 32° F. (0° C.) use the lighter grades of oil recommended.

## MULTIGRADE MOTOR OILS

In addition to the recommended lubricants listed in the Manual, we approve the use of these new motor oils, as produced by the oil companies shown in our Manual, for all climatic temperatures unless the engine is old and in poor mechanical condition. Some are more expensive than the recommended motor oils because of their special properties and greater fluidity at low temperatures. We also draw your attention to the simpler grease requirements for your vehicle by the use of the multipurpose lithium greases.

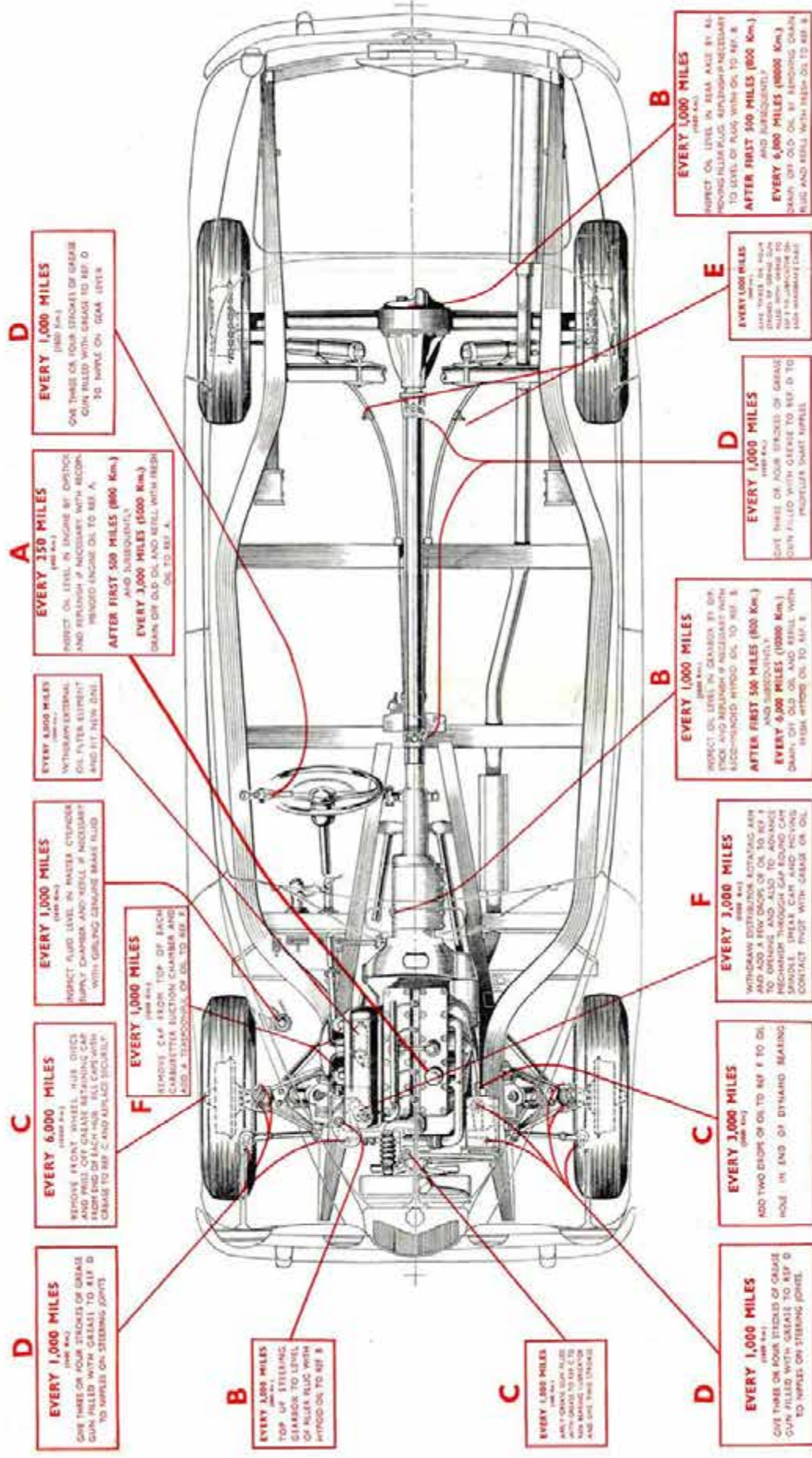
## OVERDRIVE

After the first 500 miles (800 Km.) and subsequently every 6,000 miles (10,000 Km.) drain off the old oil and refill with fresh oil to Ref. A. (See Section P.12.)



# THE RILEY PATHFINDER LUBRICATION CHART

(Commencing Car No. 5554)



**D**  
**EVERY 1,000 MILES**  
(1600 Km.)  
GIVE THREE OR FOUR SPRINGS OF GEARBOX  
GUMS FILLED WITH GREASE TO REF. D  
TO WHEELS ON STEERING JOINTS

**C**  
**EVERY 6,000 MILES**  
(10000 Km.)  
REMOVE FRONT WHEEL HUB DISCS  
AND PRILL OFF GREASE RETAINING CAP  
FROM END OF EACH HUB. FILL CAPS WITH  
GREASE TO REF. C AND ADVANCE SECURALLY

**E**  
**EVERY 1,000 MILES**  
(1600 Km.)  
INSPECT FLUID LEVEL IN WATER PUMP  
SUPPLY CHAMBER AND REFILL IF NECESSARY  
WITH GEARING OIL

**A**  
**EVERY 1,000 MILES**  
(1600 Km.)  
INSPECT OIL LEVEL IN ENGINE BY DIPPING  
AND REFILLING IF NECESSARY WITH  
APPROVED ENGINE OIL TO REF. A

**A**  
**EVERY 3,000 MILES (5000 Km.)**  
AND SUBSEQUENTLY  
DRAIN OFF OLD OIL AND REFILL WITH FRESH  
OIL TO REF. A

**D**  
**EVERY 1,000 MILES**  
(1600 Km.)  
GIVE THREE OR FOUR SPRINGS OF GEARBOX  
GUMS FILLED WITH GREASE TO REF. D  
TO WHEELS ON GEAR ENTER

**B**  
**EVERY 1,000 MILES**  
(1600 Km.)  
TOP UP STEERING  
GEARBOX TO LEVEL  
OF RULER FLUID WITH  
HYDRO-ON TO REF. B

**C**  
**EVERY 1,000 MILES**  
(1600 Km.)  
ANY CRACKS OR LEAKS  
IN THE GEARBOX TO REF. C  
AND MAKE SURE  
AND OIL TIGHT

**D**  
**EVERY 1,000 MILES**  
(1600 Km.)  
GIVE THREE OR FOUR SPRINGS OF GEARBOX  
GUMS FILLED WITH GREASE TO REF. D  
TO WHEELS ON STEERING JOINTS

**C**  
**EVERY 1,000 MILES**  
(1600 Km.)  
ADD TWO DROPS OF OIL TO REF. F TO OIL  
HOLE IN END OF DYNAMO BEARING

**F**  
**EVERY 3,000 MILES**  
(5000 Km.)  
WITHDRAW DUSTCAP FROM  
AND ADD A FEW DROPS OF OIL TO REF. F  
TO OILING AND ALSO TO ADVANCE  
MECHANISM THROUGH GAP ROUND CAP  
SPINDLE. SPRAY CAR AND MOVING  
CONTACT POINT WITH GREASE OR OIL

**B**  
**EVERY 1,000 MILES**  
(1600 Km.)  
INSPECT OIL LEVEL IN GEARBOX BY DIPPING  
AND REFILLING IF NECESSARY WITH  
APPROVED HYDRO-ON TO REF. B

**D**  
**EVERY 1,000 MILES**  
(1600 Km.)  
GIVE THREE OR FOUR SPRINGS OF GEARBOX  
GUMS FILLED WITH GREASE TO REF. D TO  
WHEELS ON GEAR SUPPLY

**E**  
**EVERY 1,000 MILES**  
(1600 Km.)  
GIVE THREE OR FOUR  
SPRINGS OF GEARBOX  
GUMS FILLED WITH GREASE TO REF. D TO  
WHEELS ON GEAR SUPPLY

**B**  
**EVERY 1,000 MILES**  
(1600 Km.)  
INSPECT OIL LEVEL IN GEAR BOX BY  
DIPPING AND REFILLING IF NECESSARY  
TO LEVEL OF RULER WITH OIL TO REF. B  
**AFTER FIRST 500 MILES (800 Km.)**  
AND SUBSEQUENTLY  
**EVERY 6,000 MILES (10000 Km.)**  
DRAIN OFF OLD OIL BY REMOVING DRAIN  
PLUG AND REFILL WITH FRESH OIL TO REF. B

**EVERY 3,000 MILES (5000 Km.). USE OILCAN FILLED WITH OIL TO REF. F ON ALL CONTROL JOINTS, DOOR LOCKS, HINGES, ETC.**  
**NOTE 1**—In extreme conditions of cold consistently below 32° F. (0° C.) use the lighter grades of oil recommended.

**MULTIGRADE MOTOR OILS**

In addition to the recommended lubricants listed in the Manual, we approve the use of these new motor oils, as produced by the oil companies shown in our Manuals, for all climatic temperatures unless the engine is old and in poor mechanical condition. Some are more expensive than the recommended motor oils because of their special properties and greater fluidity at low temperatures. We also draw your attention to the simpler grease requirements for your vehicle by the use of the multipurpose lithium greases.

**OVERDRIVE**

After the first 500 miles (800 Km.) and subsequently every 6,000 miles (10000 Km.) drain off the old oil and refill with fresh oil to Ref. A. (See Section P.12.)

The following is a list of recommended lubricants (for cars up to Car No. 3675)

<b>A ENGINE AND AIR CLEANER</b>								
<i>Climatic Conditions</i>	<b>B.P. Energol</b>	<b>Shell</b>	<b>Filtrate</b>	<b>Sternol</b>	<b>Duckham's</b>	<b>Castrol</b>	<b>Esso</b>	<b>Mobil</b>
Tropical and temperate down to 32° F. (0° C.)	"Energol" S.A.E. 30	"Shell" X-100 30	Medium "Filtrate" 30	"Sternol" W.W. 30	Duckham's N.O.L. "Thirty"	"Castrol" X.L.	"Esso" Extra Motor Oil 20W/30	Mobiloil "A"
Cold and extreme cold down to 0° F. (-18° C.)	"Energol" S.A.E. 20W	"Shell" X-100 20/20W	Zero "Filtrate" 20	"Sternol" W.W. 20	Duckham's N.O.L. "Twenty"	"Castrolite"	"Esso" Extra Motor Oil 20W/30	Mobiloil "Arctic"
Arctic—below 0° F. (-18° C.)	"Energol" S.A.E. 10W	"Shell" X-100 10W	Sub-Zero "Filtrate" 10	"Sternol" W.W. 10	Duckham's N.O.L. "Ten"	"Castrol" Z	"Essolube" 10	Mobiloil 10W
<b>B GEARBOX (See also page P.5), STEERING GEARBOX AND REAR AXLE (HYPOID GEARS)</b>								
Tropical and Temperate down to 10° F. (-12° C.)	"Energol" E.P. S.A.E. 90	"Shell" Spirax 90 E.P.	Hypoid "Filtrate" Gear 90	Ambroleum E.P. 90	Duckham's Hypoid 90	"Castrol" Hypoy	"Esso" Expee Compound 90	Mobiloil "G.X." 90
Extreme cold below 10° F. (-12° C.)	"Energol" E.P. S.A.E. 80	"Shell" Spirax 80 E.P.	Hypoid "Filtrate" Gear 80	Ambroleum E.P. 80	Duckham's Hypoid 80	"Castrol" Hypoy 80	"Esso" Expee Compound 80	Mobiloil "G.X." 80
<b>C WHEEL HUBS AND FAN BEARINGS</b>								
All conditions	"Energol" L.3	"Shell" Retinax A	"Filtrate" Super Lithium Grease	"Ambroline" L.H.T. Grease	Duckham's L.B. 10 Grease	"Castrol" L.M.	"Esso" Multi-purpose Grease H	Mobilgrease M.P.
<b>D CHASSIS GREASING NIPPLES, ETC.</b>								
All conditions	"Energol" L.3	"Shell" Retinax A	"Filtrate" Super Lithium Grease	"Ambroline" L.H.T. Grease	Duckham's L.B. 10 Grease	"Castrol" L.M.	"Esso" Multi-purpose Grease H	Mobilgrease M.P.
<b>E CABLES AND CONTROL JOINTS</b>								
All conditions	"Energol" L.3	"Shell" Retinax A	"Filtrate" Super Lithium Grease	"Ambroline" L.H.T. Grease	Duckham's L.B. 10 Grease	"Castrol" L.M.	"Esso" Multi-purpose Grease H	Mobilgrease M.P.
<b>F OILCAN AND CARBURETTER</b>								
All conditions	"Energol" S.A.E. 20W	"Shell" X-100 20/20W	Zero "Filtrate" 20	"Sternol" W.W. 20	Duckham's N.O.L. "Twenty"	"Castrolite"	"Esso" Extra Motor Oil 20W/30	Mobiloil "Arctic"

### EXTREME COLD CONDITIONS

Where a car is operated in temperatures which are consistently below 0° F. (-18° C.) the use of an oil of lower viscosity than that recommended for normal use is desirable, and under such conditions the use of engine oil of the grades indicated in the appropriate temperature range is recommended.

Similar considerations apply in the case of the gearbox, rear axle and steering gearbox.

### MIXTURE LUBRICANTS

It is a bad practice to mix lubricants, particularly the high-pressure types now in use for rear axles, as they differ considerably in their composition. It is therefore dangerous to replenish the axle with a different make of oil from that in use without first draining off the axle. It is also advisable to carry out a similar procedure in the case of other components.

# Key to Recommended Lubricants

For cars up to Car No. 3675

<b>A</b> ENGINE AND AIR CLEANER								
<i>Climatic Conditions</i>	<b>B.P. Energol</b>	<b>Shell</b>	<b>Filtrate</b>	<b>Sternol</b>	<b>Duckham's</b>	<b>Castrol</b>	<b>Esso</b>	<b>Mobiloil</b>
Tropical and temperate down to 32° F. (0° C.)	"Energol" S.A.E. 30	"Shell" X-100 30	Medium "Filtrate" 30	"Sternol" W.W. 30	Duckham's N.O.L. "Thirty"	"Castrol" X.L.	"Esso" Extra Motor Oil 20W/30	Mobiloil "A"
Cold and extreme cold down to 0° F. (-18° C.)	"Energol" S.A.E. 20W	"Shell" X-100 20/20W	Zero "Filtrate" 20	"Sternol" W.W. 20	Duckham's N.O.L. "Twenty"	"Castrolite"	"Esso" Extra Motor Oil 20W/30	Mobiloil "Arctic"
Arctic—below 0° F. (-18° C.)	"Energol" S.A.E. 10W	"Shell" X-100 10W	Sub-Zero "Filtrate" 10	"Sternol" W.W. 10	Duckham's N.O.L. "Ten"	"Castrol" Z	"Essolube" 10	Mobiloil 10 W
<b>B</b> GEARBOX (See also key for cars from Car No. 3676), STEERING GEARBOX AND REAR AXLE (HYPOID GEARS)								
Tropical and Temperate down to 10° F. (-12° C.)	"Energol" E.P. S.A.E. 90	"Shell" Spirax 90 E.P.	Hypoid "Filtrate" Gear 90	Ambroleum E.P. 90	Duckham's Hypoid 90	"Castrol" Hypoy	"Esso" Expee Compound 90	Mobiloil "G.X." 90
Extreme cold below 10° F. (-12° C.)	"Energol" E.P. S.A.E. 80	"Shell" Spirax 80 E.P.	Hypoid "Filtrate" Gear 80	Ambroleum E.P. 80	Duckham's Hypoid 80	"Castrol" Hypoy 80	"Esso" Expee Compound 80	Mobiloil "G.X." 80
<b>C</b> WHEEL HUBS AND FAN BEARINGS								
All conditions	"Energol" L.3	"Shell" Retinax A	"Filtrate" Super Lithium Grease	"Ambrolite" L.H.T. Grease	Duckham's L.B. 10 Grease	"Castrol" L.M.	"Esso" Multi-purpose Grease H	Mobilgrease M.P.
<b>D</b> CHASSIS GREASING NIPPLES, ETC.								
All conditions	"Energol" L.3	"Shell" Retinax A	"Filtrate" Super Lithium Grease	"Ambrolite" L.H.T. Grease	Duckham's L.B. 10 Grease	"Castrol" L.M.	"Esso" Multi-purpose Grease H	Mobilgrease M.P.
<b>E</b> CABLES AND CONTROL JOINTS								
All conditions	"Energol" L.3	"Shell" Retinax A	"Filtrate" Super Lithium Grease	"Ambrolite" L.H.T. Grease	Duckham's L.B. 10 Grease	"Castrol" L.M.	"Esso" Multi-purpose Grease H	Mobilgrease M.P.
<b>F</b> OILCAN AND CARBURETTER								
All conditions	"Energol" S.A.E. 20W	"Shell" X-100 20/20W	Zero "Filtrate" 20	"Sternol" W.W. 20	Duckham's N.O.L. "Twenty"	"Castrolite"	"Esso" Extra Motor Oil 20W/30	Mobiloil "Arctic"

**EVERY 1,000 MILES (1600 Km.).** Use oilcan on all control joints, door locks, hinges.

**SPECIAL NOTE.** Only Hypoid oils should be used in the rear axle.



**The following is a list of recommended lubricants for cars with the later type gearbox  
(Commencing Car No. 3676)**

<b>A ENGINE AND AIR CLEANER</b>								
<i>Climatic Conditions</i>	<b>B.P. Energol</b>	<b>Shell</b>	<b>Filtrate</b>	<b>Sternol</b>	<b>Duckham's</b>	<b>Castrol</b>	<b>Esso</b>	<b>Mobil</b>
Tropical and temperate down to 32° F. (0° C.)	"Energol" S.A.E. 30	"Shell" X-100 30	Medium "Filtrate" 30	"Sternol" W.W. 30	Duckham's N.O.L. "Thirty"	"Castrol" X.L.	"Esso" Extra Motor Oil 20W/30	Mobiloil "A"
Cold and extreme cold down to 0° F. (-18° C.)	"Energol" S.A.E. 20W	"Shell" X-100 20/20W	Zero "Filtrate" 20	"Sternol" W.W. 20	Duckham's N.O.L. "Twenty"	"Castrolite"	"Esso" Extra Motor Oil 20W/30	Mobiloil "Arctic"
Arctic—below 0° F. (-18° C.)	"Energol" S.A.E. 10W	"Shell" X-100 10W	Sub-Zero "Filtrate" 10	"Sternol" W.W. 10	Duckham's N.O.L. "Ten"	"Castrol" Z	"Essolube" 10	Mobiloil 10 W
<b>GEARBOX FROM CAR No. 3676 AND OVERDRIVE. (For earlier cars see page P.2)</b>								
All temperatures	"Energol" S.A.E. 30	"Shell" X-100 30	Medium "Filtrate" 30	"Sternol" W.W. 30	Duckham's N.O.L. "Thirty"	"Castrol" X.L.	"Essolube" 30	Mobiloil "A"
<b>B STEERING GEARBOX AND REAR AXLE (HYPOID GEARS)</b>								
Tropical and Temperate down to 10° F. (-12° C.)	"Energol" E.P. S.A.E. 90	"Shell" Spirax 90 E.P.	Hypoid "Filtrate" Gear 90	Ambroline E.P. 90	Duckham's Hypoid 90	"Castrol" Hypoy	"Esso" Expee Compound 90	Mobiloil "G.X." 90
Extreme cold below 10° F. (-12° C.)	"Energol" E.P. S.A.E. 80	"Shell" Spirax 80 E.P.	Hypoid "Filtrate" Gear 80	Ambroline E.P. 80	Duckham's Hypoid 80	"Castrol" Hypoy 80	"Esso" Expee Compound 80	Mobiloil "G.X." 80
<b>C WHEEL HUBS AND FAN BEARINGS</b>								
All conditions	"Energol" L.3	"Shell" Retinax A	"Filtrate" Super Lithium Grease	"Ambroline" L.H.T. Grease	Duckham's L.B. 10 Grease	"Castrol" L.M.	"Esso" Multi-purpose Grease H	Mobilgrease M.P.
<b>D CHASSIS GREASING NIPPLES, ETC.</b>								
All conditions	"Energol" L.3	"Shell" Retinax A	"Filtrate" Super Lithium Grease	"Ambroline" L.H.T. Grease	Duckham's L.B. 10 Grease	"Castrol" L.M.	"Esso" Multi-purpose Grease H	Mobilgrease M.P.
<b>E CABLES AND CONTROL JOINTS</b>								
All conditions	"Energol" L.3	"Shell" Retinax A	"Filtrate" Super Lithium Grease	"Ambroline" L.H.T. Grease	Duckham's L.B. 10 Grease	"Castrol" L.M.	"Esso" Multi-purpose Grease H	Mobilgrease M.P.
<b>F OILCAN AND CARBURETTER</b>								
All conditions	"Energol" S.A.E. 20W	"Shell" X-100 20/20W	Zero "Filtrate" 20	"Sternol" W.W. 20	Duckham's N.O.L. "Twenty"	"Castrolite"	"Esso" Extra Motor Oil 20W/30	Mobiloil "Arctic"

#### EXTREME COLD CONDITIONS

Where a car is operated in temperatures which are consistently below 0° F. (-18° C.) the use of an oil of lower viscosity than that recommended for normal use is desirable, and under such conditions the use of engine oil of the grades indicated in the appropriate temperature range is recommended.

Similar considerations apply in the case of the gearbox, rear axle and steering gearbox.

#### MIXTURE LUBRICANTS

It is a bad practice to mix lubricants, particularly the high-pressure types now in use for rear axles, as they differ considerably in their composition. It is therefore dangerous to replenish the axle with a different make of oil from that in use without first draining off the axle. It is also advisable to carry out a similar procedure in the case of other components.