



TR4A



TR4



TR3A, B

TRIUMPH

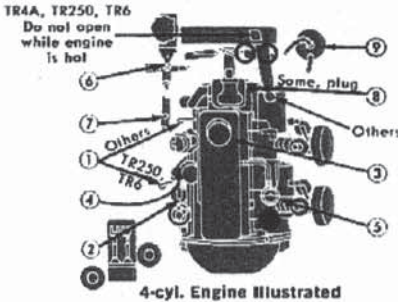
1958-70 TR3A, TR3B, TR4, TR4A, TR250, TR6

SERVICE AT TIME OR MILEAGE - WHICHEVER COMES FIRST

THI-1A

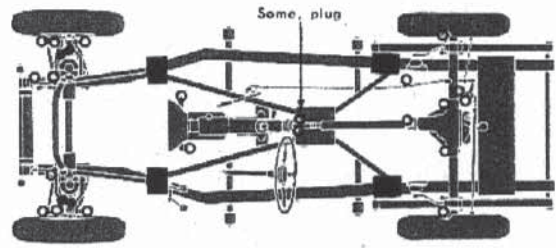
HOOD RELEASE: Inside, TR4, TR4A, TR250 and TR6; all others, at front

THI-1A



4-cyl. Engine Illustrated

- ① Crankcase dipstick
- ② Fuel pump sediment bowl and screen
- ③ Oil fill cap
All except TR3A, at rear of engine
- ④ Oil filter
- ⑤ PCV valve TR4A, TR250, 1969 TR6
- ⑥ Steering gear TR4, TR4A, TR250, TR6
- ⑦ Steering gear, others
- ⑧ Water pump
- ⑨ Evaporative control system canister
1970 California cars only



**0-1 PLUG
5-24
FITTINGS**

- Lift adapter position
- ▲ Plug, some models
- Fitting
- Fitting, some models
- Cooling system drain
- Cooling system drain, some models

MONTHLY

Battery check level

EVERY 3,000 MILES

Crankcase 1958-67 change oil
On long engine life, **TEXACO** recommends
EVERY 30 DAYS in winter, **60 DAYS** in summer
Differential 1958-65 check level
Front suspension and steering linkage 4-13 fittings **MG**
All except TR4, TR4A, TR250, TR6
Transmission 1958-64 check level
Brake and/or clutch fluid reservoir 1958-67 check level **HB**
Carburetor dashpots 58-64 20-20W **MO**
Steering gear check level **GL4**
Above +30°, 90; below -30°, 80. All ex. TR4, TR4A, TR250, TR6

EVERY 6 MONTHS OR 6,000 MILES

Axle shaft universal joint . . . 2 fittings **MG**
On TR250, TR6 and TR4A with I.R.S. axle
Clutch cross shaft 2 fittings **MG**
Not on TR4A, TR250 or TR6
Crankcase 1968-70 change oil
For long engine life, **TEXACO** recommends
EVERY 30 DAYS in winter, **60 DAYS** in summer
Differential 1965-70 check level
Front suspension and steering linkage 4-10 fittings **MG**
TR4, TR4A, TR250, TR6
Front wheel bearings remove and repack **MG**
All except TR4, TR4A, TR250, TR6
Hand brake cable fitting **MG**
Not on TR4A, TR250 or TR6
Hand brake compensator . . . 2 fittings **MG**
Not on TR250, TR6 or TR4A with I.R.S. axle
Overdrive filter clean
After reinstalling filter, run car short distance in overdrive and recheck level in transmission
Rear wheel bearings 2 fittings **MG**
Not on TR250, TR6 or TR4A with I.R.S. axle
Tires rotate
Then balance wheels
Transmission 1965-70 check level
Universal joints 2 fittings **MG**
Late TR4A, TR250, TR6, no lubrication. Front joint, reach thru tunnel hole
Universal joint spline **MG**
Reach thru opening in tunnel. TR4A, TR250, TR6: some, fitting; some, plug with left-hand thread, use rubber adapter to lubricate; others, no lubrication
Air cleaner paper element clean
Wire gauze clean and oil **MO**
Brake and clutch fluid reservoirs 1968-70 check level **HB**
Carburetor dashpots 65-70 . . . 20-20W **MO**
1968-70, use single viscosity crankcase grade

Distributor

Cam bearing under rotor **MO**
Advance mechanism **MO**
Lubricate thru opening around cam
Engine 1968-70 minor tune-up
Including carburetor and drive belt inspection and adjustments. 4-cyl. engine, adjust valves
Oil fill cap clean
Late TR4, TR4A prior to 1968, sealed cap
1968 TR4A, service open-type cap. TR250, TR6 sealed cap
Oil filter 1958-67 replace
Water pump 1958-64 fitting **MG**

EVERY 12 MONTHS

Cooling system change coolant **EC**
CAPACITY, quarts with heater 1963-64 TR4, 8½; 1965-68 TR4A, TR250, TR6, 6½; all others, 8½
Pressure, pounds TR4A, TR250, TR6, 7; others, 4

EVERY 12 MONTHS OR 12,000 MILES

Front wheel bearings adjust
1968-70 TR4A, TR250, TR6
Clean and repack with **MG** at time of major overhaul only
Rear shock absorbers check level **SA**
Rear springs coat **MO**
TR250, TR6 or TR4A with coil springs at rear, no lubrication
Air cleaner paper element replace
Engine 1968-70 major tune-up
Perform manufacturer's recommended procedures including complete ignition and fuel system inspection and adjustments. 6-cyl. engine, adjust valves
Fuel pump sediment bowl and screen clean
Generator oil hole **MO**
Oil filter 1968-70 replace
PCV system TR4 clean
Clean flame arrester, in Y junction of hose
PCV valve TR4A, TR250, 1969 TR6 clean **DA**
Also clean vent hole in cover disc
Steering gear plug **MG**
TR4, TR4A, TR250, TR6. With full left lock, remove plug, insert fitting. Use low pressure, do not swell retainer boots
Water pump 1965-70 **MG**

EVERY 12,000 MILES

Evaporative control system filter, replace
On 1970 California cars only
Located in canister base
Flame trap wash
On 1970 model only
Located inside engine valve cover

EVERY 24 MONTHS OR 24,000 MILES

Front wheel bearings, clean & repack **MG**
1967 and prior TR4, TR4A



KEY TO LUBRICANTS

- DA** Denatured or Wood Alcohol or Alcohol Base Anti-Freeze
- EC** Texaco Anti-Freeze Coolant
Mix with water to desired freeze protection
- GL4** Texaco Multigear Lubricant EP
- HB** Texaco Super Heavy Duty Motor Vehicle Brake Fluid
- MG** Texaco Marfak All Purpose
- MO** Havoline or Texaco Motor Oil
- MS** Havoline Motor Oil
- SA** Texaco Upper Cylinder Lubricant

CRANKCASE 6 quarts MS

except TR250, TR6, 4¾ quarts
Add extra pint oil when replacing oil filter
Above +70° 40 10W-40
Above +30° 30 10W-30
Above +10° 20-20W 10W-30
Below +10° 10W 10W-30

TRANSMISSION 90 GL4

Below +30°, 80
CAPACITY, pints TR250, TR6, 2¾; others, 1¾; with overdrive, TR250, TR6, 4¼; others, 3¼

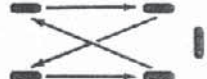
DIFFERENTIAL 90 GL4

Below +30°, 80
CAPACITY pints TR250, TR6, 3; others, 1¾

GAS TANK gallons

TR3A, TR3B 14¾
TR4, TR4A 14
TR250, TR6 13¾

TIRE ROTATION



BRAKES

Disc brakes on front and drum brakes on rear. Front disc brakes are self-adjusting, replace pads when ¼" thick
Rear drum brakes, adjust as follows:
A single cam adjuster is located on each backing plate
1 Turn each adjuster clockwise until drum cannot be turned by hand
2 Back off each adjuster one notch (or more). Drum should rotate freely without drag
Bleeding sequence: RR, LR, RF, LF
NOTE: 1968-70 models, use only light pedal pressure and less than full stroke movement when bleeding

EVERY 24,000 MILES

Exhaust emission system 1968-70 service
Perform complete major tune-up. Stromberg carburetors, rebuild using new parts in Red Pack "B". SU carburetors, every 48,000 miles, replace or rebuild using new parts as required

EVERY 48,000 MILES

Evaporative control system canister replace
On 1970 California cars only

SERVICE AS REQUIRED

Differential change grades below +30°
Engine 1958-67 tune-up
Transmission change grades below +30°

SEVERE SERVICE

Front wheel bearings, clean & repack **MG**
TR4, TR4A, TR250, TR6 competition driving, every 12,000 miles
PCV system TR4A clean
Clean flame arrester, in Y junction of hose more often depending on operating conditions