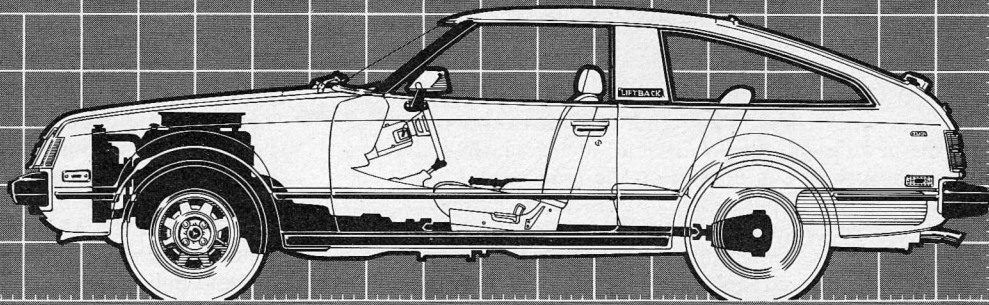




ROAD TEST CELICA GT LIFTBACK



SCALE: 10" DIVISIONS

PRICE

List price, all POL\$5339
Price as tested\$6049
Price as tested includes standard equipment (5-sp, AM/FM stereo), air conditioning (\$490), rear-window wiper/washer (\$70), aluminum wheels (\$150)

IMPORTER

Toyota Motor Sales
2055 W. 190th St
Torrance, Calif. 90509

GENERAL

Curb weight, lb 2505
Test weight 2595
Weight distribution (with driver): front/rear, % 54/46
Wheelbase, in. 98.4
Track, front/rear 53.7/53.8
Length...173.6
Width 64.4
Height 51.6
Ground clearance 6.7
Overhang, front/rear 33.5/41.7
Usable trunk space, cu ft 11.2+ 16.8
Fuel capacity, U.S. gal. 16.1

ENGINE

Type.....sohc inline 4
Bore x stroke, mm 88.4 x 88.9
Equivalent in. 3.48 x 3.50
Displacement, cc/cu in....2189/134
Compression ratio 8.4:1
Bhp @ rpm, net 95 @ 4800
Equivalent mph..... 118
Torque @ rpm, lb-ft .. 122 @ 2400
Equivalent mph..... 60
Carburetion one Aisan (2V)
Fuel requirement ..unleaded, 91-oct
Exhaust-emission control equipment: catalytic converter, exhaust-gas recirculation, air injection

DRIVETRAIN

Transmission 5-sp manual
Gear ratios: 5th (0.85) 3.17:1
4th (1.00)..... 3.73:1
3rd (1.39) 5.18:1
2nd (2.04) 7.61:1
1st (3.29) 12.27: 1
Final drive ratio 3.73:1

INSTRUMENTATION

Instruments: 120-mph speedometer, 8000-rpm tachometer, 99,999.9 odometer, 999.9 trip odo, oil press., coolant temp, ammeter, clock

Warning lights: brake system, rear-window heater, air conditioning, seatbelts, hazard, high beam, directionals

ACCOMMODATION

Seating capacity, persons 4
Seat width, fir in. 2 x 20.0/47.0
Head room 36.5/34.0
Seat back adjustment, deg 50

CHASSIS & BODY

Layoutfront engine/rear drive
Body/frameunit steel
Brake system10-in. discs front, 9.0 x 1.6-in. drums rear; vacuum assisted
Swept area, sq in. 246
Wheels cast alloy, 14 x 5 1/2
TiresToyo Z 702 Extra Steel, 185/70 SR-14
Steering typerecirculating ball
Overall ratio variable, 19.0-21.5:1
Turns,lock-to-lock..... 3.8
Turning circle, ft 36.0
Front suspension: MacPherson struts, lower lateral arms, compliance struts, coil springs, tube shocks anti-roll bar
Rear suspension: Live axle on four

trailing links, Panhard rod, coil springs, tube shocks

MAINTENANCE

Service intervals, mi:
Oil change 7500
Filter change 7500
Chassis lube 30,000
Tuneup 15,000
Warranty, mo/mi 12/12,000

CALCULATED DATA

Lb/bhp (test weight) 27.3
Mph/1000 rpm (5th gear) 25.0
Engine revs/mi (60 mph) 2400
Piston travel, ft/mi 1400
R&T steering index 1.37
Brake swept area, sq in./ton .. 190

RELIABILITY

From R&T Owner Surveys the average number of problem areas for all models surveyed is 12. An average of 7 of these problem areas is considered serious enough to constitute reliability areas that could keep the car off the road. As owners of earlier-model Celicas reported 4 problems areas and 1 reliability area we expect the overall reliability of the Celica Liftback to be much better than average.

ROAD TEST RESULTS

ACCELERATION

Time to distance, sec:
0-100 ft. 3.6
0-500 ft 9.7
0-1320 ft (1/4 mi) 18.1
Speed at end of 1/4 mi, mph 77.5
Time to speed, sec:
0-30 mph 3.3
0-40 mph 5.3
0-50 mph 7.3
0-60 mph 10.4
0-70 mph 14.3
0-80 mph 19.5

SPEEDS IN GEARS

5th gear (4600 rpm) 113
4th (5500) 113
3rd (5500) 81
2nd (5500) 57
1st (5500) 36

FUEL ECONOMY

Normal driving, mpg 26.0
Cruising range, mi (1-gal. res) 393

HANDLING

Speed on 100-ft radius, mph 32.1
Lateral acceleration, g 0.688
Speed thru 700-ft slalom, mph 54.9

BRAKES

Minimum stopping distances, ft:
From 60 mph 151
From 80 mph 270
Control in panic stop good
Pedal effort for 0.5g stop, lb 20
Fade: percent increase in pedal effort to maintain 0.5g deceleration in 6 stops from 60 mph nil
Parking: hold 30% grade? yes
Overall brake rating very good

INTERIOR NOISE

All noise readings in dBA:
Idle in neutral 48
Maximum, 1st gear 87
Constant 30 mph
50 mph 67
70 mph 72
90 mph 76

SPEEDOMETER ERROR

30 mph indicated is actually 33.0
50 mph 54.0
60 mph 63.5
70 mph 73.0
80 mph 84.5
Odometer, 10.0 mi 9.5

ACCELERATION

