

A/C SYSTEM SPECIFICATIONS

1994 Toyota Celica

1994 A/C System Specifications

Camry, Celica, Corolla, Land Cruiser, MR2, Paseo, Pickup,
Previa, Supra, Tercel, T100, 4Runner

A/C SYSTEM SPECIFICATIONS

MANUAL A/C SYSTEM SPECIFICATIONS TABLE (CAMRY & COROLLA)

Application	Specification
Compressor Type	
Camry	Nippondenso 10PA17C 10-Cyl.
Corolla	Nippondenso 10PA15 10-Cyl.
Compressor Belt Tension (1)	
Camry (5S-FE)	
New Belt (2)	140-190 lbs. (63-87 kg)
Used Belt	100-120 lbs. (45-54 kg)
Camry (1MZ-FE)	
New Belt (2)	140-190 lbs. (64-86 kg)
Used Belt	66-110 lbs. (30-50 kg)
Corolla	
New Belt (2)	140-180 lbs. (64-82 kg)
Used Belt	80-120 lbs. (36-54 kg)
Compressor Oil Capacity (3)	
Camry	4.9 ozs.
Corolla	4.1 ozs.
Refrigerant (R-134a) Capacity	
Camry	28.2-31.7 ozs.
Corolla	24.7-28.2 ozs.
System Operating Pressures (4)	
High Side	199-228 psi (14-16 kg/cm ²)
Low Side	21-36 psi (1.5-2.5 kg/cm ²)

- (1) - Using a belt tension gauge, measure at midpoint of longest belt run.
(2) - A new belt is one that has been run less than 5 minutes.
(3) - Use ND-OIL 8 refrigerant oil (Part No. 08885-09109).
(4) - With ambient temperature at 86-95°F (30-35°C) and engine at 1500 RPM.

MANUAL A/C SYSTEM SPECIFICATIONS TABLE (CELICA)

Application	Specification
Compressor Type	(1) Nippondenso 10PA15C 10-Cyl.
Compressor Belt Tension (2)	
1.8L Engine	
New	120-140 lbs. (54-64 kg)
Used	60-80 lbs. (27-36 kg)
2.2L Engine	
New	155-175 lbs. (70-79 kg)
Used	100-120 lbs. (45-54 kg)
Compressor Oil Capacity (3)	4.1 ozs.
Refrigerant (R-134a) Capacity	21.1-24.7 ozs.
System Operating Pressures (4)	
High Side	199-228 psi (14-16 kg/cm ²)
Low Side	21-36 psi (1.5-2.5 kg/cm ²)

- (1) - A Nippondenso 10PA17C/VC 10-cylinder compressor may also be used.
- (2) - Measure with belt tension gauge at midpoint of longest belt run.
- (3) - Use ND-OIL 8 (Part No. 38899-PR7-003).
- (4) - Specification is with ambient temperature at 86-95°F (30-35°C) and 1500 RPM engine speed.

MANUAL A/C SYSTEM SPECIFICATIONS TABLE (MR2)

Application	Specification
Compressor Type	Nippondenso 10P13C 10-Cyl.
Compressor Belt Tension (1)	
New	135-185 lbs. (61-84 kg)
Used	80-120 lbs. (36-54 kg)
System Oil Capacity	(2) 4.1 ozs.
Refrigerant (R-134a) Capacity	25.0-26.5 ozs.
System Operating Pressures (3)	
High Side	199-228 psi (14-16 kg/cm ²)
Low Side	21-36 psi (1.5-2.5 kg/cm ²)

- (1) - Using a belt tension gauge, measure at midpoint of longest belt span.
- (2) - Use ND-OIL 8 refrigerant oil (Part No. 08885-09109).
- (3) - With ambient temperature at 86-95°F (30-35°C) and engine at 1500 RPM.

MANUAL A/C SYSTEM SPECIFICATIONS TABLE (PASEO & TERCEL)

Application	Specification
Compressor Type	
Paseo	Matsushita Rotary Vane
Tercel	Matsushita TV10B Rotary Vane
Compressor Belt Tension (1)	
New Belt (2)	135-185 lbs. (61.2-83.9 kg)
Used Belt	80-120 lbs. (36.3-54.4 kg)
System Oil Capacity (3)	3.4-4.1 ozs.
Refrigerant (R-134a) Capacity	22.9-26.5 ozs.
System Operating Pressures (4)	
High Side	199-228 psi (14.5-15.0 kg/cm ²)
Low Side	21-36 psi (1.5-2.5 kg/cm ²)

- (1) - Using a belt tension gauge, measure between compressor and crankshaft pulley.
- (2) - A new belt is one that has been used less than 5 minutes.
- (3) - Use ND-Oil 9 refrigerant oil (Part No. 08885-09119).
- (4) - When ambient temperature is 86°-95°F (30°-35°C).

MANUAL A/C SYSTEM SPECS TABLE (LAND CRUISER, PICKUP & 4RUNNER)

Application	Specification
Compressor Type	
Land Cruiser	Nippondenso 10PA17 10-Cyl.
Pickup & 4Runner	Nippondenso 10-Cyl.
Compressor Belt Tension (1)	
New Belt (2)	100-150 lbs. (45.4-68.1 kg)
Used Belt	60-100 lbs. (27.2-25.4 kg)
System Oil Capacity (3)	

Land Cruiser & 4Runner	4.1 ozs.
Pickup	4.8 ozs.
Refrigerant (R-134a) Capacity	
Land Cruiser	28.2-31.7 ozs.
Pickup	18.6-22.1 ozs.
4Runner	23.2-26.7 ozs.
System Operating Pressures (4)	
Low Side	21-36 psi (1.5-2.5 kg/cm ²)
High Side	199-228 psi (14-16 kg/cm ²)

- (1) - Using a belt tension gauge, measure at longest run of belt.
- (2) - A new belt is one that has been used less than 5 minutes.
- (3) - Use ND-Oil 8 refrigerant oil (Part No. 38885-09109).
- (4) - When ambient temperature is 86-95°F (30-35°C).

MANUAL A/C SYSTEM SPECIFICATIONS TABLE (PREVIA)

Application	Specification
Compressor Type	Nippondenso 10PA17E 10-Cyl.
Compressor Belt Tension	
Non-Supercharged	
New	139-191 lbs. (63-87 kg)
Used	66-110 lbs. (30-50 kg)
Supercharged	
New	145-185 lbs. (66-84 kg)
Used	110-150 lbs. (50-68 kg)
System Oil Capacity (1)	3.4-4.1 ozs.
Refrigerant (R-134a) Capacity	
With Rear A/C	38.8-42.3 ozs.
Without Rear A/C	30.0-33.5 ozs.
System Operating Pressures	
High Side	206-228 psi (14.5-16.0 kg/cm ²)
Low Side	21-36 psi (1.5-2.5 kg/cm ²)

- (1) - Use refrigerant oil ND-Oil 8 (Part No. 38899-PR7-003).

MANUAL A/C SYSTEM SPECIFICATIONS TABLE (T100)

Application	Specification
Compressor Type	Nippondenso 10PA15 10-Cyl.
Compressor Belt Tension (1)	
2.7L	
New (2)	135-185 lbs. (61-84 kg)
Used	80-120 lbs. (36-54 kg)
3.0L	
New (2)	100-150 lbs. (45-68 kg)
Used	60-100 lbs. (27-45 kg)
System Oil Capacity (3)	3.4-4.1 ozs.
Refrigerant (R-134a) Capacity	21.2-24.7 ozs.
System Operating Pressures (4)	
High Side	199-228 psi (14-16 kg/cm ²)
Low Side	21-36 psi (1.5-2.5 kg/cm ²)

- (1) - Using a belt tension gauge, measure at longest run of belt.
- (2) - A new belt is one that has been used less than 5 minutes.
- (3) - Use ND-Oil 8 refrigerant oil (Part No. 08885-09109).
- (4) - When ambient temperature is 86°-95°F (30°-35°C).

MANUAL A/C SYSTEM SPECIFICATIONS TABLE (SUPRA)

Application	Specification
Compressor Type	Nippondenso 10-Cyl.
Compressor Belt Tension (1)	
Compressor Oil Capacity	(2) 4.1 ozs.
Refrigerant (R-134a) Capacity	23.2.9-26.7 ozs.
System Operating Pressures	
High Side	199-228 psi (14-16 kg/cm ²)
Low Side	28-36 psi (2.0-2.5 kg/cm ²)

- (1) - See COMPRESSOR BELT TENSION under ADJUSTMENTS.
(2) - Use ND-Oil 8 (Part No. 08885-09109).
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