

# Toyota Supra Checklist

		Check	Comments
Car	Toyota Supra	<input checked="" type="checkbox"/>	
Year	1997	<input checked="" type="checkbox"/>	
Exterior	Black	<input checked="" type="checkbox"/>	
Interior	Tan	<input checked="" type="checkbox"/>	
Milage	43,500	<input type="checkbox"/>	43561

### Aftermarket part check if possible

Greddy/Trust 3-Row FMIC	<input checked="" type="checkbox"/>	is painted in Front Good condition
RMM Downpipe	<input checked="" type="checkbox"/>	Good condition
Greddy Type S blow off valve	<input checked="" type="checkbox"/>	
mSuper dragger exhaust	<input checked="" type="checkbox"/>	HKS Super Dragger Exhaust Has some Damage
Apexi S-AFC II	<input checked="" type="checkbox"/>	
HKS FCD	<input checked="" type="checkbox"/>	
HKS Intake	<input checked="" type="checkbox"/>	
Titan Cam gears	<input checked="" type="checkbox"/>	Timing on Cams Has been changed
HKS Turbo timer	<input checked="" type="checkbox"/>	Has Greddy turbo timer
HKS boost controller	<input checked="" type="checkbox"/>	currently set to 17psi on my test Drive
Boost gauge in stock clock location	<input checked="" type="checkbox"/>	
Newer RPS Stage 3 clutch	<input checked="" type="checkbox"/>	
Newer Fidanza lightweight flywheel	<input checked="" type="checkbox"/>	
Upgraded suspension, looks like Bilstein but I need to confirm	<input checked="" type="checkbox"/>	Has Konis Yellows / possible eibach springs
TRD front strut lower bar	<input checked="" type="checkbox"/>	

### Known problems

Low idle. Is that big problem?	<input checked="" type="checkbox"/>	Caused by cam gears
Occasionally stalls. Is that big problem?	<input checked="" type="checkbox"/>	being moved from stock and lack of a engine management system to correctly adjust for changes

### Chassis/Exterior

Check body panels for uniformity.	<input checked="" type="checkbox"/>	
Check for body damage. Wheel wells, floor pan, rear hatch front and rear valance, fenders, quarter panels, uniform body molding. Paint over-spray in: headlights, gas door, door jams, fender skirts, engine compartment? Is there evidence of body damage?	<input checked="" type="checkbox"/>	LTR Quarter Panel Ding and Front Bumper scratch
Is the paint oxidized?	<input checked="" type="checkbox"/>	No
Are there any dings or stone chips in the paint?	<input checked="" type="checkbox"/>	Some wear on Front of car
Are there any cracks or chips in the windshield or side and rear glass?	<input type="checkbox"/>	
Are the tires and wheels in good condition?	<input checked="" type="checkbox"/>	Needs tires F Linn left
Are the shocks wet?	<input checked="" type="checkbox"/>	NO R Omm left
Does the overall exterior condition match the mileage?	<input checked="" type="checkbox"/>	is in very good condition But you'd be better
Does it have all the vin tags? If not, why not?	<input checked="" type="checkbox"/>	NO Left Front Fender and Front Bumper

### Interior

Are all door, hatch, and top seals in good condition?	<input checked="" type="checkbox"/>	Very Excellent condition
Are the seats clean? Torn or cracked? Worn?	<input checked="" type="checkbox"/>	Very Good For age
Is the dash in good condition?	<input checked="" type="checkbox"/>	Good except cut for mounting timer and boost controller
Is the center console in good condition?	<input checked="" type="checkbox"/>	YES
Does the glove compartment door work properly?	<input checked="" type="checkbox"/>	YES
Does the overall interior condition match the mileage?	<input checked="" type="checkbox"/>	YES

### Mechanical

Is the exhaust in good condition? Are the flanged joints intact?	<input checked="" type="checkbox"/>	Fair muffler and pipe is smashed
Is the oil clean?	<input checked="" type="checkbox"/>	Yes and Full
Are both cats still in?	<input checked="" type="checkbox"/>	<del>NO</del> NO CATS important! Due to Rmm Down Pipe.
Are there any wet spots under the car?	<input checked="" type="checkbox"/>	By tranny output shaft
When was the fluids changed? Does they look ok?	<input checked="" type="checkbox"/>	Fluids look good Tranny and Rear Diff
Are there any leaks from block or coolant lines?	<input checked="" type="checkbox"/>	No leaks on Engine
Brake fluid color ok?	<input checked="" type="checkbox"/>	okay
Clutch/transmission fluid color ok?	<input checked="" type="checkbox"/>	Fluid looks good / small leak on yes Has After market Air Filter
Air filter clean?	<input checked="" type="checkbox"/>	

Transmission output shaft seal possible Damaged on the install of the clutch

## Toyota Supra Checklist

Is the engine bay clean and neat? All hoses / wiring in correct place?	✓	Yes
Condition of the belts? Are they worn?	-	Belt is cracked Needs Replacement

### Engine Operation

Does the car start properly?	✓	Yes
Does the car have a steady idle?	✓	Yes But can be Jumpy
Engine Codes recorded?	✓	Yes 2 codes
Is the oil pressure normal?	✓	Yes
Is engine coolant temperature normal?	✓	Yes
Is there valve chatter or excessive engine noise?	✓	NO
Is there excessive engine vibration at idle or revving?	✓	Yes at idle No when revving
With the engine running, are there any leaks at the exhaust manifolds and exhaust?	✓	NO
Does the heat work?	✓	Yes
Does the AC work? Is the compressor quiet?	✓	Yes
Does the AC / heater blow at each speed?	✓	Yes
Does the radio work properly (tape and CD if applicable)?	✓	Yes
Do the power windows and door locks work?	✓	Yes
Does the defroster work properly?	✓	Yes
Do all knobs / controls function correctly?	✓	Yes
Do all of the gauges / dashboard lights work properly?	✓	Yes
Does crank pulley wobble?	✓	NO
Leaking differential or transmission?	✓	Tranny Yes
Is the battery in good condition?	✓	Yes
Do all lights / signals work correctly?	✓	Yes
Headlights (high and low beams)	✓	Yes
Brake lights	✓	Yes
Parking/Side Marker Lights	✓	Yes
Turn Signals	✓	Yes
If equipped does the alarm work?	✓	Yes
Do the windshield wipers function properly?	✓	Yes Rear wiper NO
Is the heater matrix ok?	✓	Yes <span style="float: right;">Important!</span>
Compression test. How high psi on each cylinder?	✓	checked <span style="float: right;">Important!</span> Not low

Clutch & Peds  
Now since  
it is Not  
Stuck

### Test Drive Evaluation

Check valve stem seals / white or blue smoke?	✓	No <span style="float: right;">Important!</span>
Does the parking brake work properly?	✓	Yes
How does the brake pedal feel?	✓	OKAY May Need Brake fluid Changed
Does the car pull strong/hard/smooth w/o any "flat spots"?	✓	Yes No Flat spots or Hesitations
How does the clutch pedal feel?	✓	Hard like a Racing clutch
Does the clutch operate in a smooth quiet manner?	✓	Noisy at idle Normal for racing clutch
Are there any squeaks / noises (specially over rough roads)?	✓	NO
Is the steering smooth and responsive?	✓	Yes
When going straight is the wheel straight? Does the car drift to one side?	✓	NO Needs Alignment
Brake with your hands off the wheel does the car stop straight?	✓	NO But think it is a tire problem
At highway speeds does the car pull, or shake / shimmy?	✓	Yes Needs tires
Does the cruise control work properly?		
Is there exceptional wind noise?		
If equipped, does the ABS system function properly?	✓	Yes
Does the Traction control system function properly?	✓	NO

## COMPRESSION INSPECTION

EM06N-02

### HINT:

If there is lack of power, excessive oil consumption or poor fuel economy, measure the compression pressure.

#### 1. WARM UP AND STOP ENGINE

Allow the engine to warm up to normal operating temperature.

#### 2. DISCONNECT DISTRIBUTOR CONNECTOR

#### 3. DISCONNECT HIGH TENSION CORDS FROM SPARK PLUGS

#### 4. REMOVE SPARK PLUGS

#### 5. CHECK CYLINDER COMPRESSION

- (a) Insert a compression tester into the spark plug hole.
- (b) While cranking the engine, measure the compression pressure.

### HINT:

Always use a fully charged battery to obtain engine revolutions of 250 rpm or more.

- (c) Repeat steps (a) through (b) for each cylinder.

### NOTICE:

**This measurement must be done in as short a time as possible.**

#### Compression:

1,275 kPa (13.0 kgf/cm<sup>2</sup>, 185 psi) or more

#### Minimum pressure:

1,079 kPa (11.0 kgf/cm<sup>2</sup>, 156 psi)

#### Difference between each cylinder:

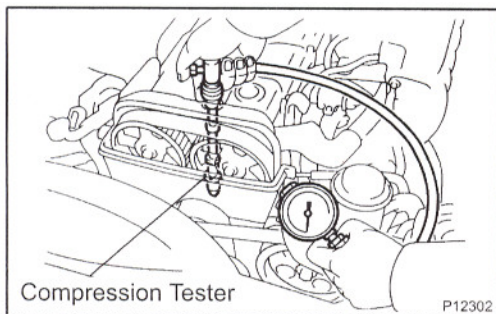
98 kPa (1.0 kgf/cm<sup>2</sup>, 14 psi) or less

- (d) If the cylinder compression in 1 or more cylinders is low, pour a small amount of engine oil into the cylinder through the spark plug hole and repeat steps (a) through (b) for the cylinder with low compression.
  - If adding oil helps the compression, it is likely that the piston rings and/or cylinder bore are probably worn or damaged.
  - If pressure stays low, a valve may be sticking or seating improper, or there may be leakage past the gasket.

#### 6. REINSTALL SPARK PLUGS

#### 7. RECONNECT HIGH-TENSION CORDS TO SPARK PLUGS (See page IG-10)

#### 8. RECONNECT DISTRIBUTOR CONNECTOR



#1 135 PSI

#2 115

#3 135

#4 125

#5 115

#6 130

# Vehicle Diagnostic Report

1997 Supra 2JZ-GTE

4/11/2008 11:26:06 AM

## Diagnostic Trouble Code Report

Engine and ECT(1 of 1)

DTC Monitors are Complete.

MIL: ON

Code	Description	Current	Pending	History	Permanent	Summary	Freeze Frame
P0420	Catalyst System Efficiency Below Threshold (Bank 1)	X	X	X		Icon B	Y
P1630	Traction Control System Malfunction	X		X		Icon E	N

## Freeze Frame Data Report

P0420(1 of 1)

Parameter	Value	Unit
CALC Load	10.58	%
Engine SPD	2662	rpm
Coolant Temp	187	F
Intake Air	50	F
IDL SIG	OFF	
Vehicle SPD	46	MPH
Short FT #1	-3.94	%
Long FT #1	8.55	%
FUEL SYS #1	CL	
FUEL SYS #2	UNUSED	
FC IDL	OFF	
Starter SIG	OFF	
A/C SIG	OFF	
Elect Load SIG	OFF	
Stop Light SW	OFF	
FC TAU	OFF	
Engine Run Time	267	sec