

SPRINTEX® Jeep- TJ (Non-Intercooled) SUPERCHARGER KIT

(TO SUIT 2005- 2006 MODEL VEHICLES) **257D1001**



INSTALLATION INSTRUCTIONS

Kit Serial #
Supercharger Serial #
Tuner (ECU reflash unit) Serial #



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IMPORTANT INFORMATION

PRODUCT WARNING

Installation of the Sprintex Supercharger kit on your Jeep- TJ vehicle may void all or parts of Jeep Warranty. Customers should consult their Jeep dealer for details.

Sprintex® makes no representation that installation and use of the Sprintex supercharger kit is legal for public road use worldwide. Customers should check that installation and use of the Sprintex supercharger kit on their vehicle is legal by contacting the relevant statutory authority in their jurisdiction prior to use on roads.

Sprintex supports safe driving. So always remember to observe all speed limits and road rules relevant to your state, city or jurisdiction.



Provided in this installation manual are detailed instructions to the installer on how to install the Sprintex patent pending supercharger kit to the Jeep- TJ vehicle. The instructions are aimed at being simple yet informative, and are aided with well-presented pictures to make installations as simple, fast, and problem free as possible. **Please read the entire instruction manual prior to beginning the installation procedure.** Pictures and descriptions may vary slightly from model to model.

It is recommended that all wiring harness connectors, and vacuum hoses are labelled at the time of removal for easy and correct refitting. Some components that are removed and are to be refitted are fragile, and should be stored safely to prevent damage to these components.

Sprintex recommends performing the following vehicle checks prior to installing the supercharger.

- 1) Check that the factory fuel system is operating correctly.
- 2) Inspect the factory exhaust catalyst for blocks or damage
- 3) Check fuel quality in fuel tank ensuring that it is not stale or low octane fuel. Replace with a higher octane, Premium Unleaded Gasoline / Fuel (Refer details on the next page) as required. It is also recommended to replace the fuel filter if the vehicle has travelled more than 15,000km or 9000 miles.

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THIS SPRINTEX INSTALLATION REQUIRES THAT YOUR VEHICLE BE FITTED WITH A STANDARD JEEP-TJ FACTORY ECU AND CALIBRATION. FAILURE TO ENSURE THIS WILL AFFECT THE PERFORMANCE AND MAY VOID YOUR WARRANTY.

SAFETY WARNING

No unauthorised service or alteration may be undertaken to the Sprintex supercharger. Installation should be carried out in a workshop which is a safe and ventilated working environment with equipment and procedures compliant with local authority guidelines and legal requirements. Installers should ensure adequate hearing, eye, and physical protection is used at all times during the installation process. Installers should take reasonable precautions to avoid fatigue and closely follow the installation instructions during every installation. Sprintex recommends installation should not be carried out unsupervised. Sprintex, its directors, employees and agents will not accept liability for damage accident or injury resulting from the installation process. Safety warnings are also provided throughout this document.



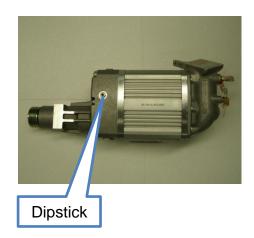
CHANGES TO FACTORY SPECIFICATIONS

<u>FUEL:</u> MINIMUM 95 RON (91 Octane USA) PREMIUM UNLEADED GASOLINE/FUEL TO BE USED AT ALL TIMES. NEVER ALLOW THE ENGINE TO KNOCK OR DETONATE AS SERIOUS ENGINE DAMAGE MAY OCCUR.

REQUIRED SERVICE: (SEE MAINTENANCE SECTION OF MANUAL)

- INSPECT SUPERCHARGER DRIVE BELT AT EVERY ROUTINE SERVICE AND REPLACE WHEN REQUIRED.
- DRAIN AND REPLACE SUPERCHARGER OIL EVERY 50,000 km or 30,000 miles. USE REDLINE 75W90 NS GEAR OIL. FILL WITH 157 millilitres or 5.3 US fluid ounces.
 CHECK OIL LEVEL WITH THE DIPSTICK PROVIDED IN THE SUPERCHARGER ASSEMBLY. TIGHTEN DIPSTICK FULLY AND THEN CHECK THE OIL LEVEL.
- OIL LEVEL SHOULD BE CHECKED WITH THE DIPSTICK PERIODICALLY (Recommended every 3000km depending on driving style).





Note:

- 1. Many of the photos shown in this document are of a typical Jeep- TJ Right hand drive vehicle and are similar to a typical Jeep- TJ Left hand drive vehicle.
- 2. Some of the terminology and language used in this instruction may vary from that of the end user / installer's expectations, as some tools and automotive components have different common names in different geographical locations.



Tools and Consumables Required to Complete Installation

Set Metric Wrenches and Sockets	Cable Ties	Cobra clamp pliers
Metric Allen keys	Electrical Tape	Solder and Soldering Gun
Flat and Philips Screwdrivers	Pipe Sealer, sealant, thread locker	Rubber grease or Silicone spray
Pliers and Side Cutters	Top-up Engine Oil	Loctite 406
½" Breaker bar	Top-up coolant	



Record of Amendments

Abbreviations (Symbols)	Reference		
SHCS	Socket Head Cap Screw		
MAP	Manifold Absolute Pressure		
T-MAP	Temperature & Manifold Absolute Pressure		
TPS	Throttle Position Sensor		
IAC	Idle Air Control		

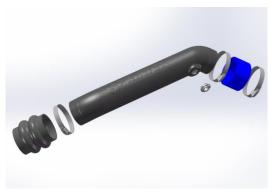
PARTS SUPPLIED



Supercharger assembly with air intake housing



Discharge assembly



Inlet pipe assembly



Throttle cable bracket assembly



Idler pulley bracket assembly & drive belt



Ancillary parts assembly



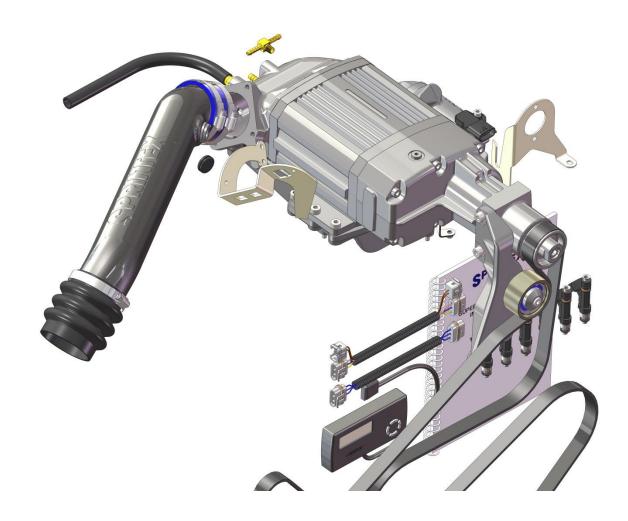
Fuel injectors



ECU Reflash unit

- Sprintex® Supercharger assembly with intake housing
- Discharge Assembly with nonintercooled duct
- 3. Inlet pipe assembly
- 4. Throttle cable bracket, Cruise controller bracket (optional part)

- Idler pulley bracket assembly and drive belt
- 6. Fuel injectors (6x)
- 7. Extension wires and plugs
- 8. ECU Reflash unit
- 9. Ancillary parts
- 10. Installation Manual





SUMMARISED INSTRUCTIONS FOR EXPERIENCED TECHNICIANS

DISASSEMBLY

- 1. Disconnect battery (See details, Section-1 on Page-14)
- 2. Loosen fuel filler cap (See details, Section-2 on Page-15)
- 3. Disconnect air temp sensor from the air inlet pipe (See details, Section-3 on Page-15)
- 4. Remove air inlet pipe (See details, Section-4 on Page-15)
- 5. Remove throttle cable bracket (See details, Section-5 on Page-16)
- 6. Remove throttle body and gasket (See details, Section-6 on Page-16)
- 7. Disconnect engine breather and brake booster hoses (See details, Section-7 on Page-17)
- 8. Detach cable conduit bracket from the manifold (See details, Section-8 on Page-17)
- 9. Remove engine accessory drive belt (See details, Section-9 on Page-17)
- 10. Remove 3 top screws of the power steering pump (See details, Section-10 on Page-18)
- 11. Replace cruise control bracket, if equipped. (See details, Section-11 on Page-18)

PREPARATION AND ASSEMBLY

- 1. Blank off manifold vacuum ports for engine breather and brake booster. (See details, Section-1 on Page-20)
- 2. Replace Fuel injectors (See details, Section-2 on Page-20)
- 3. Extend the wires of TPS, if necessary and connect the IAC sensor with the supplied wire with plugs. (See details, Section-3 on Page-22)
- 4. Connect the new T-MAP sensor plug (See details, Section-4 on Page-23)
- 5. Fit cable conduit with the provided 2 steel brackets (See details, Section-5 on Page-23)
- 6. Remove plug on top of the cable conduit and relocate (See details, Section-6 on Page-24)
- 7. Fit discharge assembly to the manifold (See details, Section-7 on Page-25)
- 8. Bend the rear air conditioner pipe (LH drive vehicles only) to clear supercharger drive extension (See details, Section-8 on Page-26)
- 9. Fit Supercharger assembly to the discharge assembly (See details, Section-9 on Page-27)
- 10. Fit Idler pulley bracket and power steering pump (See details, Section-10 on Page-28)
- 11. Fit new throttle cable bracket (See details, Section-11 on Page-28)
- 12. Fit throttle body (See details, Section-12 on Page-29)
- 13. Glue the bayonet adaptor to the new air inlet pipe (See details, Section-13 on Page-30)
- 14. Fit new air inlet pipe (See details, Section-14 on Page-31)
- 15. Fit the factory air temp sensor to the air inlet pipe (See details, Section-15 on Page-31)
- 16. Hold the throttle cable in position (See details, Section-16 on Page-31)
- 17. Fit breather and vacuum lines (See details, Section-17 on Page-32)
- 18. Plug in electrical components (See details, Section-18 on Page-32)
- 19. Fit new accessory drive belt (See details, Section-19 on Page-33)
- 20. Reconnect battery (See details, Section-20 on Page-34)
- 21. Reflash ECU (See details, Section-21 on Page-35)
- 22. Change tyre size, axle ratio to the reflashed tune (See details, Section-22 on Page-36)

PRE TEST-DRIVE INSPECTION

- 1. Pre-Start inspection.
- 2. Engine warm up.
- 3. Road test vehicle.



Jeep- TJ SUPERCHARGER KIT (NON-INTERCOOLED)

SECTION 1

DISASSEMBLY INSTRUCTIONS

SAFETY WARNING

No unauthorised service or alteration may be undertaken to the Sprintex supercharger. Installation should be carried out in a workshop which is a safe and ventilated working environment with equipment and procedures compliant with local authority guidelines and legal requirements. Installers should ensure adequate hearing, eye, and physical protection is used at all times during the installation process. Installers should take reasonable precautions to avoid fatigue and closely follow the installation instructions during every installation. Sprintex recommends installation should not be carried out unsupervised. Sprintex, its directors, employees and agents will not accept liability for damage accident or injury resulting from the installation process. Safety warnings are also provided throughout this document.



Preparation

Ensure that all components required to assemble the supercharger are available. Refer to the Parts Supplied section provided earlier.

Ensure that all required tools are available.

Please read the entire instruction manual prior to beginning the installation procedure.

Ensure vehicle is located in a secure position with vehicle tyres secured and handbrake applied. Sprintex® recommends to avoid injury you should use a vehicle lift or axle stands when the vehicle is required to be lifted for access. Stands should be positioned as per the Manufacturers Owners Handbook.

SAFETY WARNING: Use Personal Protective Equipment such as safety glasses, gloves, etc. at all times and as necessary.

SAFETY WARNING: Allow engine to cool prior to proceeding with disassembly to prevent scalding.

SAFETY WARNING: High pressure fuel.

<u>Note:</u> During disassembly and removal of components, take notes and ensure to label and store them safely; this will help with the reassembly.

<u>Note:</u> Many of the photos shown in this document are of a typical Jeep- TJ right hand drive vehicle and are similar to a typical Jeep- TJ left hand drive vehicle.







Right hand drive vehicle

Caution:

Connect and disconnect battery cables, jumper cables or battery charger only with the ignition switched off

Warning:

Disconnecting the battery may erase fault codes stored in control module memory. Using diagnostic equipment, check for fault codes before disconnecting battery cables. If the malfunction indicator light (MIL) is illuminated.

MIL (Malfunction Indicator Lamp) light.

The MIL light can be found in one of two locations, dependant on the market the vehicle has been built for.

- 1. The MIL light may be an illuminated **ENGINE** symbol within the speedometer cluster.
- 2. The MIL light may be displayed as **SERVICE ENGINE SOON** within the Revolution counter.

Please refer to your **OWNERS HANDBOOK** to define which of the above applies to your vehicle.

Note:

Always disconnect the negative battery terminal first. This prevents possible shorting and potential battery damage.

1. <u>Disconnect Battery</u>

The Jeep- TJ battery is located in the passenger side corner of vehicle (LH & RH drive).

- 1. First disconnect negative (-) battery cable.
- 2. Lift positive (+) terminal plastic cover, then disconnect positive (+) cable.



2. Loosen fuel filler cap

Loosen fuel filler cap to relieve pressure in the system.



3. <u>Disconnect air temp sensor</u> <u>from the air inlet pipe</u>

- 1. Disconnect wiring to factory air temp sensor.
- 2. Remove factory air temp sensor and store in a safe location.





4. Remove air inlet pipe

- 1. Loosen hose clamps on each end of the pipe and remove the air inlet pipe.
- 2. Remove the hose clamps and store in a safe location.
- 3. Mask the air box outlet with sealing tape to avoid dirt and foreign particles entering the assembly.



5. Remove throttle cable bracket

- Disconnect throttle cable, optional cables like cruise control cable, line pressure cable (kick down cable) from the throttle cable bracket.
- 2. Remove 2x M6 SHCS screws, throttle cable bracket and store in a safe location.

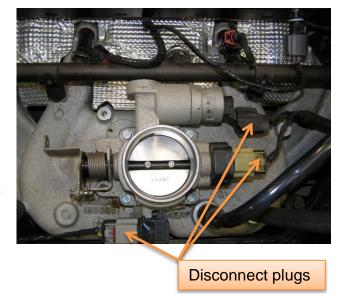


Remove throttle cable bracket

6. Remove throttle body and gasket

- 1. Disconnect wiring plugs from the throttle body.
- 2. Remove 4x M6 Hex head screws, throttle body with gasket and store in a safe location.
- 3. Seal the throttle hole with sealing tape to avoid dirt and foreign particles entering manifold.

NOTE: The gasket is re-used in the assembly at a later stage. So check the condition of the gasket and replace, if necessary.

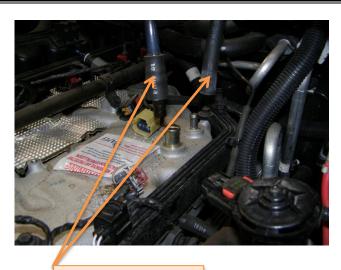






7. <u>Disconnect engine breather</u> and brake booster hoses

- Disconnect Engine breather and brake booster hoses from the manifold.
- Seal the manifold holes with sealing tape to avoid dirt and foreign particles entering manifold.



Disconnect hoses

8. <u>Detach cable conduit from</u> the manifold

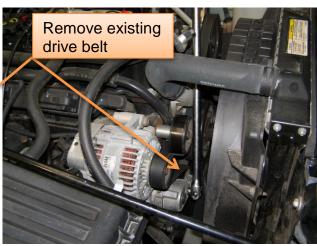
1. Remove two M6 x 20 Hex head screws and detach the cable conduit from the manifold and store the screws in a safe location.



9. Remove engine accessory drive belt

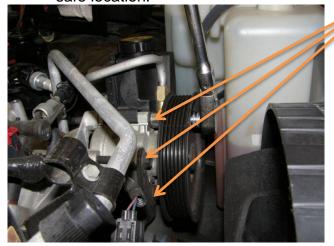
Remove the drive belt using long series ½" breaker bar, to release the dynamic tensioner. Store the used belt in a safe location.





10. Remove 3 screws of the Power steering pump

Remove 3x M8 screws and store in a safe location.



Remove screws



11. Replace Cruise control bracket (if equipped)

- 1. Disconnect wiring plug and hose from the cruise control unit
- 2. Remove 2 nuts and remove cruise control unit, cruise control cable from the standard factory steel bracket.
- 3. Remove carbon canister unit from the standard factory steel bracket.
- 4. Remove 3x M6 hex head screws and remove the factory steel bracket.
- 5. Fit the supplied new cruise control bracket with the previously removed factory screws.
- 6. Fit the cruise control unit, cruise control cable and carbon canister unit back into the new steel bracket.
- 7. Reconnect wiring plug and hose to the cruise control unit



Remove standard bracket



Fit new bracket



Jeep- TJ SUPERCHARGER KIT (NON-INTERCOOLED)

SECTION 2

INSTALLATION INSTRUCTIONS

SAFETY WARNING

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ASSEMBLY

1. Blank off manifold Vacuum ports

- 1. Blank off vacuum ports for the engine breather, brake booster with the supplied 3/8" & 5/8" hoses, plugs and clamps.
- 2. Use cobra clamp pliers to tighten the smaller hose clamp.

NOTE: If not using proper pliers damage can occur to the clamps.

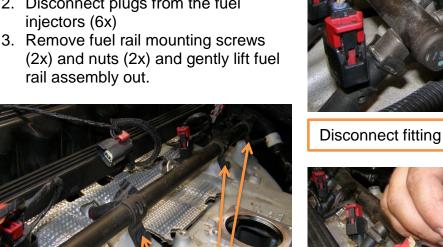
WARNING: High pressure fuel



Blank off vacuum ports

2. Replace fuel injectors

- 1. Disconnect fuel line fitting using fuel line removal tool
- 2. Disconnect plugs from the fuel injectors (6x)
- (2x) and nuts (2x) and gently lift fuel rail assembly out.



Remove screws and nuts



Disconnect plugs



JEEP- TJ (NON- INTERCOOLED) SUPERCHARGER KIT

- 4. Remove the injector retaining clips from fuel rail assembly.
- Remove existing standard fuel injectors (6x) and store in a safe location
- 6. Fit new supplied fuel injectors 0280158193 (6x) and ensure orientation. Apply a thin layer of rubber grease to the O-Rings of injectors for ease of fitting.
- 7. Fit the retaining clips back to hold the injectors securely
- 8. Fit the fuel rail back with previously removed standard screws and nuts



Remove clips



Fit fuel rail



9. Connect the plugs back into the fuel injectors



Connect plugs back into position



10. Reconnect the fuel line fitting to the fuel rail

Reconnect fuel line fitting



3. Extend the wires of TPS and IAC sensors (if necessary)

- Carefully strip back wiring harness 50mm to separate TPS and IAC plugs.
- 2. Extend the wires of TPS plug with new wires (3x) supplied.
- 3. Connect standard IAC plug to the supplied plug extension.
- 4. Wrap the wires with the supplied split sleeve conduit and insulation tape.



TPS before Modification



Plug & play interfaces for IAC wires extension



TPS after Modification

4. Connect the new T-MAP sensor plug

- 1. Cut the wires (3x) approx.50mm away from the standard MAP sensor plug. Remove the MAP sensor plug and store it in a safe location.
- Splice the wires (3x) of the standard MAP sensor from the conduit with the supplied wires (3x) of the new T-MAP sensor plug. See the following information for details.



TMAP TJ MAP wiring

1 => **DB/DG**

2 => No connect

3 => YL/PK 4 => VT/BR

On the plug tail, the colours and connections are as below,

Pin 1 (ground) **Black**, connect to Jeep **Blue**/ **Green**

Pin 2 (Temp) Blue, do not connect

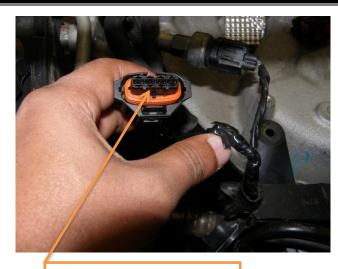
Pin 3 (Power) Red, connect to Jeep Yellow/

Pink

Pin 4 (MAP Signal) Yellow, connect to Jeep Violet/Brown

5. Fit cable conduit with supplied 2 steel brackets

- 1. Fit the supplied 2 steel brackets with the cable conduit using previously removed factory M6 Hex head screws and nyloc nuts (supplied).
- 2. Do not tighten the screw fully until the clamps are fitted to the discharge manifold at a later stage.



New T-MAP sensor plug



Fit new brackets



6. Remove adaptor with plug on the cable conduit and relocate

 Remove the adaptor with plug from cable conduit and relocate as per the pictures given to clear the bottom side of the Supercharger discharge duct. Use cable tie to hold the adaptor with the conduit.



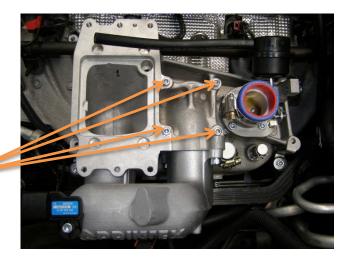
Remove adaptor and plug



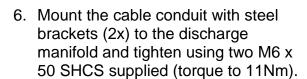
Relocate adaptor and plug

7. Fit discharge assembly to the manifold

- Remove sealing tape from the bottom surface of the discharge manifold.
- 2. Apply rubber grease to O-Ring and fit it into the groove.
- 3. Clean the mounting surfaces on the vehicle manifold and carefully place the discharge assembly on top of the manifold as shown in the pictures.
- 4. Ensure that the assembly clears all hoses, cables, fuel rail and wirings.
- 5. Tighten the assembly with the provided SHCS M6 x 80 (torque to 11Nm)

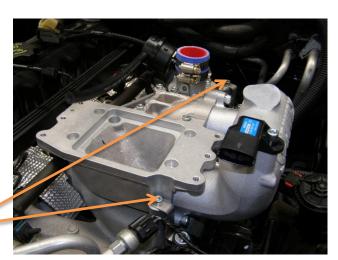


Tighten screws



NOTE: Ensure that the cable conduit clears manifold, discharge manifold and discharge ducts.

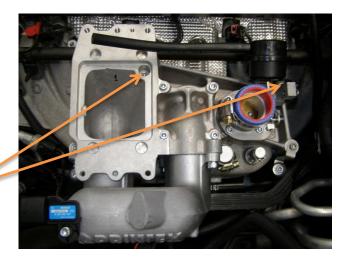
Tighten screws





7. Use other two M6 x 50 SHCS supplied and tighten the discharge manifold (torque to 11Nm).

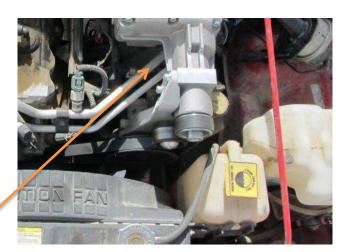
Tighten screws



8. Bend the rear airconditioner pipe (L/H drive vehicles only)

 Using rubber mallet, carefully tap the rear air-conditioner pipe on top allowing it to lower by minimum 12mm from the original position.

Bend the pipe down



NOTE: Ensure that air-conditioner pipe is not damaged while trying to bend and also take special care to avoid the gas leak through the pipes and mountings.

NOTE: Ensure that the rear airconditioner pipe clears the supercharger assembly.

Ensure clearance



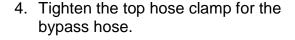
9. Fit Supercharger assembly to the discharge assembly

- Remove sealing tape from the discharge outlet of Supercharger
- Fit the supercharger assembly (as supplied in the kit) into the discharge assembly and clamp them using six M8 x 25mm SHCS screws (torque to 23Nm).
- Locate the spigots in the supercharger clamp plate and the intake housing carefully to avoid damage to the O-Ring and bypass hose.

NOTE: If required, apply a thin layer of rubber grease to the O-Ring and bypass hose for smooth fitting.



Tighten screws (6x)

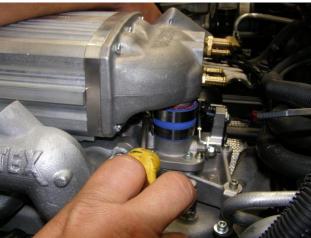


NOTE: Ensure orientation of the hose clamp to avoid interference with bypass actuator lever during operation.











5. Connect the bypass actuator hose to the hose fitting in the intake housing.



10. Fit Idler pulley bracket & power steering pump

- 1. Fit the idler bracket assembly using two M8 x 30 SHCS and flat washers provided.
- Use the previously removed standard three M8 Hex head screws to mount the power steering pump and the idler pulley bracket as shown in the picture.

NOTE: Tighten all screws uniformly (torque to 23Nm).



Tighten screws uniformly

11. Fit new throttle cable bracket

- Fit new throttle cable bracket supplied, using previously removed standard M6 Hex head screws (2x) into the intake housing (torque to 11Nm).
- 2. Tighten other side of the bracket using M6 x 25 SHCS (supplied) with the manifold (torque to 11Nm).



Tighten using factory M6 Hex head screws

Tighten using M6 x 25 SHCS



12. Fit throttle body

- 1. Connect TPS & IAC wiring plugs to the throttle body.
- Fit the standard throttle body with the factory gasket using the previously removed factory M6 screws (4x). Torque to 11Nm.
- 3. Connect the throttle cable.
- Connect the cruise control cable (if equipped) and kick down cable (if equipped).
- 5. Fit the factory MAP sensor back to the throttle body. Do not connect the wiring plug to the MAP sensor as it is replaced by supplied new T-MAP sensor.

NOTE: Check for free play of throttle cables.



Tighten using factory
M6 Hex head screws (4x)





13. Glue bayonet adaptor to the new air inlet pipe

- 1. Apply Loctite 406 on the flat surface of the bayonet adaptor and attach it to the new air inlet pipe as shown in the pictures. Ensure orientation.
- For earlier model vehicles use the supplied blanking plug (grommet) instead of the bayonet adaptor, if necessary.



14. Fit new air inlet pipe

1. Connect new air inlet pipe between throttle body and air box. Secure with the hose clamps (3x) supplied. Use a hose clamp from the standard factory air inlet pipe.

NOTE: Ensure the orientation of the air temp sensor hole as shown in the picture.



15. <u>Fit the factory air temp</u> <u>sensor</u>

- 1. Fit the factory air temp sensor to new air inlet pipe.
- 2. Connect the wiring plug back to the air temp sensor.



16. Hold the throttle cable in position

1. Hold the throttle cable in position with inlet pipe using a cable tie as shown in the picture.



17. <u>Fit breather and vacuum</u> <u>lines</u>

- 1. Connect the engine breather, brake booster hoses to the intake housing as shown in the picture.
 - a. Use new supplied hose for engine breather
 - b. Use the existing standard hose for brake booster

NOTE: If necessary, use the supplied brass T- fitting (optional part) for additional vacuum ports. Apply Loctite 577 to threads of hose fittings and blanking plugs upon assembly.



New breather hose

18. Plug in electrical components

1. Connect the miscellaneous wiring plugs.

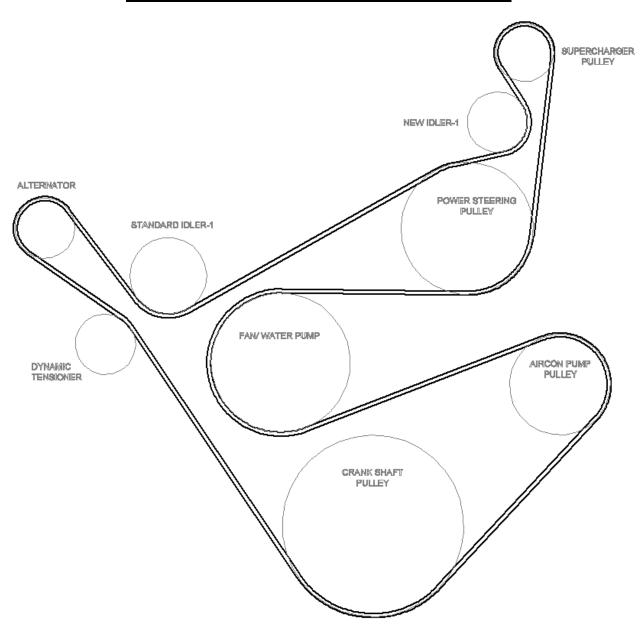


19. <u>Fit new accessory drive</u> belt

- Fit new accessory drive belt 6PK2530 (Gates No.K060997) as per the belt routing diagram leaving the idler pulley as the last component for belt to be fitted over.
- 2. Use long series ½" breaker bar to release the dynamic tensioner.



BELT ROUTING DIAGRAM (WITH A/C)











20. Reconnect battery

NOTE: Battery Positive terminal should always be connected first.



21. Reflashing the ECU

Follow the instructions given below to reflash the factory ECU,

- Connect the reflash unit to OBD II connector in the R/H footwell (LH footwell, if L/H drive)
- 2. Turn ignition key 'ON' (run only position) as per the instruction on the screen and press 'Y'
- 3. Use ↑↓ keys for options and 'Y', 'N' keys on the reflash unit for selections
- Wait for the instructions, then select 'DTCS' and scroll ↑↓ for 'CLEAR' option and press 'Y'
- 5. Scroll ↑↓ for previous menu, then select 'TUNING' and press 'Y'
- Scroll ↑↓ for 'ENGINE TUNING' and press 'Y'. Select 'SUPERCHARGER' and press 'Y'
- 7. Scroll ↑↓, then select 'INSTALL TUNING' and press 'Y'.
- 8. Under 'NAME THIS TUNE' option, leave the default name 'STOCK' (recommended) and press 'Y'
- Follow prompts. Turn 'OFF' & Turn the ignition key 'ON' (run only position) as per the instructions and press 'Y'
- 10. Turn ignition key 'OFF' and press 'Y' wait for the instructions
- 11. Turn ignition key 'ON' (run only position) as per the instruction on the screen and press 'Y'
- 12. Now the reflash unit should have successfully loaded the tune.
- 13. Press 'Y' and then disconnect the reflash unit.







22. Changing tyre size, axle ratio to the reflashed tune (if necessary). The tyre (tire) and gear ratio is to allow speedometer correction only.

 Refer 'Hypertech" website for details and other functions.
 www.hypertech.com



NOTES:

It is critical during the programming process that the tuner doesn't get interrupted. This could cause the vehicle computer to "crash", and the vehicle to be inoperable.

Interruptions can be caused by a drop in battery voltage, causing the vehicle's computer to cycle on and off, by accessories that communicate with the vehicle's computer or by the programming cable being unplugged or not securely connected.

We recommend removing fuses for any aftermarket accessories that draw voltage from the battery.

NOTES:

It should only offer the latest update to the tuner that is plugged into the USB.

2. The link for the software is subject to change. Contact Hypertech for further details.

Hypertech, Inc.

3215, Appling road Bartlett, TN 38133-3999 Phone: 901-382-8888

Tech Support Hours: 8:00am-5:00pm CST. Mon-Fri

For tech support please have your product's serial number available at the time of

your call.

Phone: 901-382-8888

techsupport@hypertech.com

Sprintex limited, Australia info@sprintex.com.au



Jeep- TJ SUPERCHARGER KIT (NON-INTERCOOLED)

SECTION 3

PRE TEST-DRIVE INSPECTION



Pre-Start Inspection

Ensure coolant is at correct level.

Ensure engine oil is at correct level.

Ensure vehicle has fresh 95 RON (91 Octane USA) Premium Unleaded fuel.

Ensure the belt is aligned.

Ensure the air filter is clean.

Check & replace spark plugs, if necessary. Set gap to factory spec. 0.035".

SAFETY WARNING: Ensure adequate steps are taken to prevent injury, spillage or fire should any of the required installation steps not have been carried out to specification.

Engine Warm Up

Start engine and allow to run, until engine reaches normal operating temperature.

Check for oil leaks.

Road Test Vehicle

Road test vehicle.

Recheck all joints and connections for leaks –rectify as needed.



Jeep- TJ SUPERCHARGER KIT (NON-INTERCOOLED)

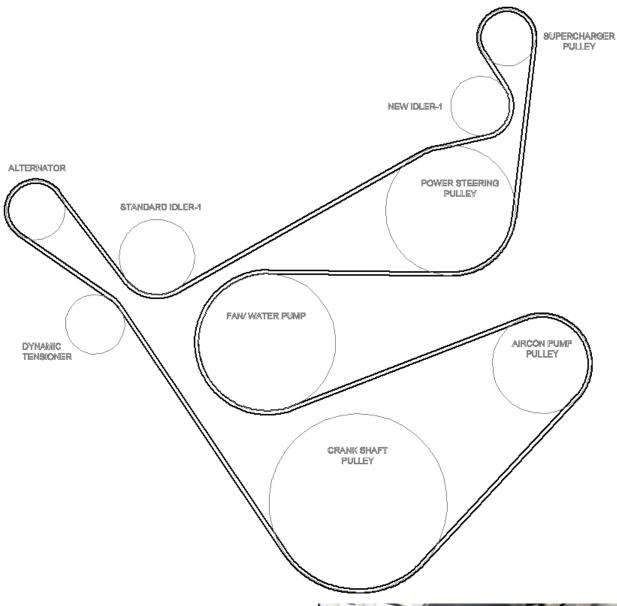
SECTION 4

MAINTENANCE INSTRUCTIONS



1. Supercharger Drive Belt Replacement

It is recommended that the supercharger drive belt be checked at every regular service and be replaced at 50,000 km (30,000 miles) or 2 years, whichever occurs first.



Use long series ½" breaker bar to release the dynamic tensioner and remove the belt.



2. Supercharger Removal

Refer to section 1

DISASSEMBLY INTRUCTIONS, Pages 12 to 18.

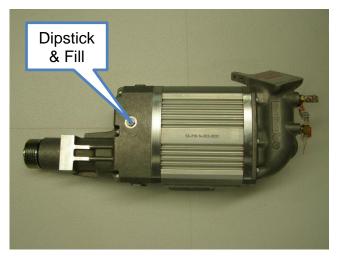
3. **Supercharger Lubrication Service**

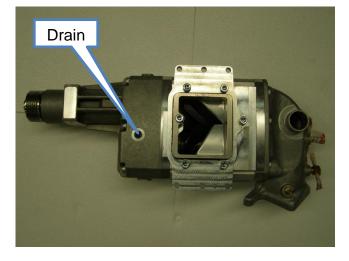
- Drain and replace oil every 50,000 km or 30,000 miles
- Place a suitable funnel under drain plug at front side bottom of Supercharger extension housing. Remove dip stick on top centre of cover to allow complete draining. Remove bottom plug and drain.
- 3. Fit the bottom drain plug back. Use Loctite 577 to threads upon assembly.
- 4. Use Redline 75W90 NS gear oil. Fill with 157 millilitres or 5.31 US fluid ounces.
- Fit the dip stick back on top of the supercharger extension housing (torque to 10Nm).

NOTES:

Check oil level with the dipstick provided in the Supercharger assembly. Tighten dipstick fully and then check the oil level.

Oil level should be checked with the dipstick periodically (Recommended every 3000km depending on driving style).







4. Spark plugs

Replace spark plugs every 50,000 km.

