

# TSL20plus MANUAL

## TOYOTA AUTO LOCK SYSTEM

Thank you for purchasing the TSL20plus Auto Lock System. Please read this manual in its entirety before using this product. Be sure to store this manual in a safe place, as you may need to reference it in the future.

Ver. 05/12/2015

### PRECAUTIONS

PLEASE READ THOROUGHLY BEFORE USE

#### WARNING

The included wire harness and connectors are specially made for the TSL20plus only. Please do not splice off the CAN or POWER wires, and do not use this harness or connector with any other device; otherwise, a short, fire, or vehicle breakdown may occur.

#### DANGER

Mishandling may cause bodily harm!

- This product locks and unlocks car doors only by car speed and gear position. This device will **NOT** unlock doors due to shock, impact, airbag inflation or car accidents.
- This product must only be used in compatible cars that have an Automatic Transmission. Installing into a manual-stick-shift vehicle could cause bodily harm or vehicle damage.
- NEVER install this product in the vehicle where it could obstruct moving parts like foot pedals, levers, gears, the steering mechanisms, etc. Such obstruction could cause bodily harm, vehicle damage, and/or product damage.
- NEVER modify this product in any way. Such modifications could result in malfunction or situations where bodily harm, vehicle damage, and/or product damage could occur.
- ALWAYS install in accordance with this document. Non-standard installations can result in situations where bodily harm, vehicle damage, and/or product damage could occur.
- This product is not waterproof, splash-proof, or dust-proof. Take care to prevent water, dirt, oil and other impurities from entering the product; otherwise malfunction to the product could occur, as well as vehicle damage and possible bodily harm.
- NEVER leave this product's wiring to be loose or mounted in such a way it could be caught or smashed by something, resulting in an electric short that could cause damage to the product, to the car, and/or bodily harm.

#### NOTE

Product or vehicle failure could result from ignoring the following:

- This product is primarily intended for use on Japanese vehicles within Japan.
- NEVER store or mount this product where water, oil, dirt, or moisture collects, or where there is intense heat or steam present. Such may cause product failure.
- This product is primarily intended for sale at domestic Japanese car dealerships.
- Our company shall not be held liable for traffic accidents that occur with the TSL20 installed.
- Specifications of this product are subject to change without notice.
- RJWIKI® confirms that your installer has appropriate expertise and equipment to safely and properly install this product.

#### OPERATIONAL NOTES

- This product does not have any safety features that will unlock doors in the event of a car accident or strong shock. Do not rely on this product for door unlocking in those cases!
- This product only Locks the doors when the vehicle speed exceeds 20~25km/h and Unlocks doors when the gear is shifted back to the "P" (Park) position. It also Unlocks 9 seconds after very hard braking while traveling at 20km/h or faster. (But please note there is no Relock feature if you Unlock while driving faster than 20km/h).
- Your car's speedometer may show a speed slightly higher than 20km/h when the TSL20plus automatically Locks. That is because some TOYOTA cars are designed to show a slightly higher speed on the speedometer relative to the actual speed of the car.
- The TSL20p is not intended for use on manual transmission cars, even if you find it works.
- The TSL20plus shall not be used as an excuse by the user for traffic accidents, nor shall any blame be assigned to our company for such accidents.
- In some rare cases, brief noise may appear on your automotive TV (if powered by the car). Such noise results from movement of your car's door lock motors, not the TSL20plus.

INSTALLATION GUIDE ON BACK

### PRODUCT OPERATION

- Doors automatically **Lock** when car speed exceeds 20km/h.
- Doors automatically **Unlock** when gear returned to "P" position. Doors also **Unlock** 9 seconds after you brake hard while driving 20km/h or faster, after which doors will relock when accelerating to more than 20km/h.

**NOTE#1:** This product will **not** automatically Unlock in the event of a car accident.  
**NOTE#2:** After you move the gear from "P" (park) to "D" (drive), if you manually Lock or Unlock the doors before the car speed reaches 20km/h, this product will **not** automatically Lock when the car's speed exceeds 20km/h.  
**NOTE#3:** After the TSL20plus auto-locks your doors, if you manually Unlock, the TSL20plus will not relock your doors.

### COMPATIBLE CARS

Install the TSL20plus **only** in the vehicles listed below. Do not install in vehicles not listed, as such could pose a hazard to the product, to the car, and/or to the human body.

- IQ (JGU10)
- RAV4 (ACAS3W)
- AQUA (Prius-C) (96P10A)
- AURION (Camry) (N2T260, ZRT26A)
- EST (Sion XD) (NCP11A, ZSP150)
- WISH (ZGE2AFL, ZGE2AW)
- VITZ (Yaris) (NCP9A, SCF90, KSP90, KSP150, MCP151)
- VANGUARD (ACAS3W, GSA33W)
- VOXY (ZRR2AFL, ZRR2AW)
- AURIS (E15AH, E16AH)
- Corolla AXIO (NZE14A, ZRE14A, NZE16A, ZRE16A)
- Corolla FIELDER (NZE14AG, ZRE14AG, NZE16AG, ZRE16AG)
- Corolla RUMION (Florus) (NZE15AM, ZRE15AM)
- SPADE (P14A)
- NOAH (ZRR2AFL, ZRR2AW)
- PRIUS (ZVW3A)
- PRIUS-PHY (ZVW3A)
- PRIUS+ (ZVW4A)
- BLADE (NZE15AH, GRE15AH)
- PREMIO (NCT260, ZRT26A)
- BELTA (Vios) (KSP90, SCF90, MCP90)
- PORTE (P14A)
- MARK X Z30 (AMA1A, GGA10)
- RACTIS (NCP10A, SCF100, MSP120)
- LAND CRUISER (JUR2002W) (Also Locks when placed in Reverse gear.)



Refresh Data Here  
(TSL20 web page)

**NOTE#1:** Even if your car is on the above chart, a "minor change" by the car manufacturer on the newest car model could cause the CAN signals to become incompatible with the TSL20+. Please visit our TSL20 web page for the newest edition compatibility chart.

**NOTE#2:** If you own a Toyota car outside Japan, we cannot guarantee compatibility if your Toyota was not manufactured in Japan. CAN signals could be different.

### PRODUCT SPECIFICATIONS

Operational Voltage	+12Vdc
Absolute Max./Min. Voltages	+9Vdc ~ +30Vdc
Current Consumption	< 4.5mA (while CAN sleeping)
Oper. Ambient Temp. Range (no condensation)	-25°C ~ +85°C

### WARRANTY TERMS

- 1) Warranty period is measured as one (1) year from date of purchase.
- 2) In the unlikely event of product failure during normal use as defined by this manual, the product will be repaired or replaced free of charge, but only at the original dealer place of purchase. Demand for onsite repairs may be met in some cases within Japan, but onsite service fees will apply and vary by location.
- 3) An warranty claim must be made through the dealer from whom you originally purchased this product. You must fill out the form on the front page of this manual, and submit the dated purchase receipt.
- 4) You can only submit warranty claims to us if you have moved and can no longer visit your TSL20 dealer.
- 5) Customer bears the cost of transportation to/from us, as well as return shipping (First Next Business Day).
- 6) Regardless of being covered under Warranty, the following cases resulting in malfunction will require a fee:
  - Oil, water, dust, etc. having accumulated inside and on the electronics.
  - Improper installation or disconnection by the user.
  - Unauthorized product repair or modification.
  - Accidental drops, hits or other strong impact.
  - Fire, earthquake, flood, lightning, other natural disasters, as well as pollution, salt-air damage, etc.
  - Other user outside the intended use, as specified in this manual.
  - Car accidents, vandalism or theft.
  - Problems (due to damage) to this manual, or if you do something this manual doesn't specifically prohibit.
  - And cases where you do not properly fill out your claim, provide false info., and/or lack a dated receipt.
- 7) This warranty is only valid for TSL20 users outside Japan with express written approval from RJWIKI®.
- 8) We cannot recover printed documents free of charge. Please keep this document safe and do not lose it.

#### PLEASE NOTE:

- Product repair or replacement is guaranteed under the terms, conditions and duration of this warranty. This warranty does not limit your legal rights. If you have questions or problems after this one (1) year warranty has expired, please consult with the original dealer from whom you purchased the TSL20 product.
- Because your warranty claim will be investigated by an independently filed and PROTECTED (WARRANTY) CLAIM card, please carefully confirm all details and/or consult with your TSL20 dealer before submission.

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species of *alcaligenes* typically occur in soil and water or decaying materials and dairy products a faecalis is commonly found in the intestinal tracts of vertebrates as a harmless saprophyte in 5 19 of the normal population infections from *alcaligenes* species are uncommon and largely opportunistic a faecalis is a known causing agent of nosocomial bacterial sepsis in immunocompromised patients by contami

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