

# Turbo Timer (R907)

## Installation & Operation Manual

Thanks for purchasing Turbo Timer-R907! Please read this manual carefully to ensure a proper use.

### Please pay attention to vehicle type!

**NISSAN** -----AT vehicle produced since 1963  
 ※ If we can't pull out key when gearshift is in P position and engine is still running, we have to release safety circuit. (refer to P8 for method of release)

### TOYOTA

※For TOYOTA diesel engine, relay of main unit is powered when turbo timer works and ignition key is at OFF position. Battery motor of MR-2 electronic vehicle (1.10~)、Highace (1.8~) and etc. runs continuously sometimes. Please refer to P8 for processing details if you want to use special adaptor (LEVOC series, buy separately).

### Battery motor operation

※Battery motor runs when ignition key is at ACC position sometimes. For vehicle without electronic fan, blue wire of turbo timer has to be connected to make battery motor runs (※ But ACC can't be used when turbo timer works). If vehicle (like NISSAN, ISUZU and SUBARU) has anti-fault operation relay (LEVOC: LVH-01/buy separately), ACC can be used even turbo timer is working.

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## WARRANTY

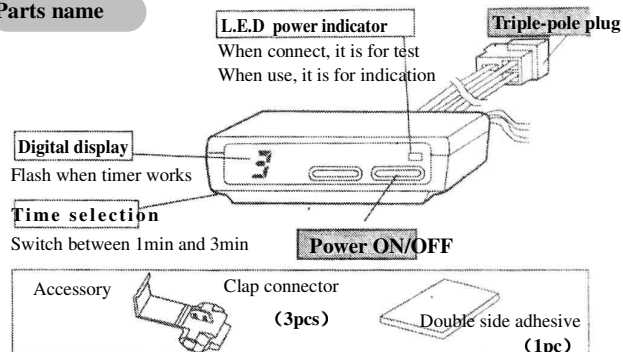
This product enjoys quality warranty in following condition:

- Repair free of cost (in warranty)  
 In normal use, any failure caused by production in one year after purchase is covered by warranty.
- Repair against following problem is not free even in warranty period.
  - Failure or damage caused by improper use, repair or alteration.
  - Failure or damage caused by incorrect connection.
  - Failure or damage caused by water, earthquake, accident or fire.
  - Warranty card is not filled out with necessary information (dealer, purchase date, customer name) or information has been altered.
  - Can not present warranty card.
  - Open for cleaning.

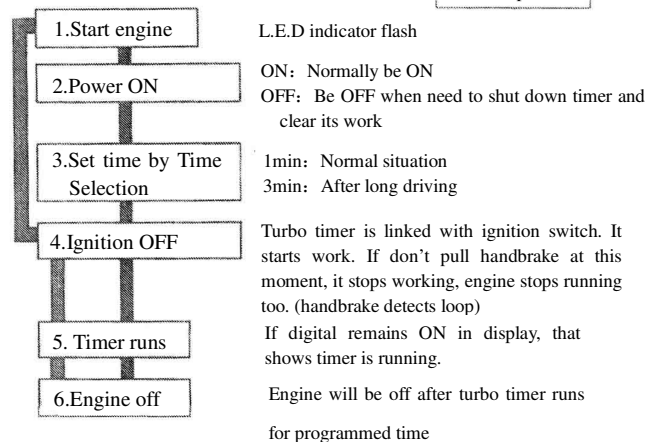
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## 1 Operation and parts name

### Parts name



### Operation



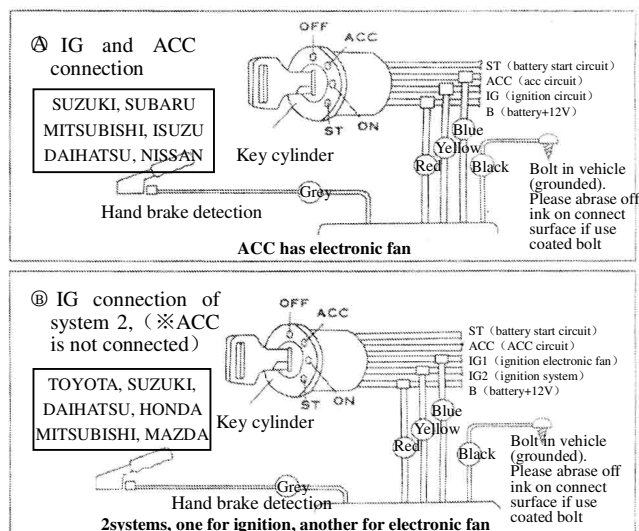
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## 2 Wiring Diagram

※ Wiring method depends on vehicle type. If timer doesn't work after installed according "Wiring of specified vehicle" or your vehicle type is not specified there, please connect according to "Wiring method 3".

### Wiring 3 Connect according to power detection

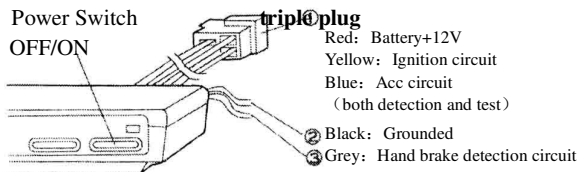
#### Standard connection



- ① Black: Grounded (Refer P3)
- ② Red: Power & storage circuit when key turns to OFF
- ③ Blue: Accessories power supplying when key turns to ACC
- ④ Yellow: Motor power supplying when key turns to ON
- ⑤ Grey: Hand brake detection (Refer P4)

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## ② Wiring Diagram

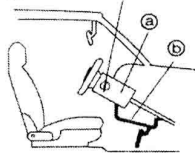


※ Turn power off before doing any wiring operation

■ Connect three wires of triple plug in ① as following steps:

1. Use special adaptor for different vehicle type (LEVOC series). Simply plug into connector.
2. Refer to "Wiring of different vehicle type" indicated in this manual for connection.
3. Check wiring by embedded detector, then connect accordingly.

① Picture Key cylinder

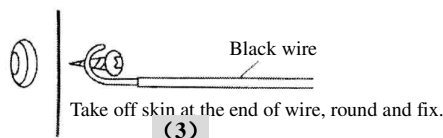


- Find connector extended from key cylinder, position a and b on picture at left.
- Identify vehicle type and connector according "Wiring of different vehicle type".

■ Connect black wire in ② for grounding to bolt at installation part.

※ Grounded through bolt doesn't work well sometimes.

Please abrase off ink on the connecting surface if use coated bolt.



## ② Wiring Diagram

■ Connect black wire of Turbo Timer to vehicle body for grounding.

■ Connect blue wire of Turbo Timer to connector ends to detect correct connection end, switch between OFF-ACC-ON at the mean time. When have power supply, LED power indicator will be ON.

■ Switch key to ON position and LED indicator is ON, if there are 2 more ends can turn on LED indicator except ② & ③, or key cylinder doesn't have ACC position, please connect yellow and blue wire as following steps:

○ Switch key to ST position, indicator is ON when connect to yellow wire, is OFF when connect to blue wire.

(Ex.)	(Normal)	(when there are 2ends)
	Blue ACC	
Yellow ON	Red OFF	Yellow ON-ST
		Blue ON
		Red OFF

Black: Grounding (Connector) Grey: Hand brake switch

※ If yellow and blue wire is connected reversely, Turbo Timer will operate when switch key to ST position.

○ If still have 2ends can turn on LED indicator when switch key to ST position, connect these 2ends in any way, it won't be problem.

Refer to following information for connection if vehicle has "keycylinder" indication.

● Red: B、AM、AM1、AM2

● Blue: ACC

● Yellow: IG

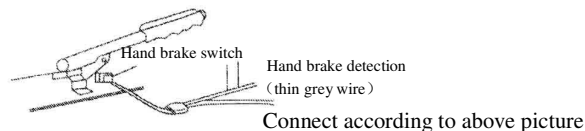
※ Black is for grounding.

※ If IG have IG1 & IG2 two ends, connect yellow and blue with IG1 & IG2 separately.

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## ② Wiring Diagram

■ Connect grey wire ③ with hand brake switch. ※ (wrap connection end with plastic tape for insulation)



If there are more than 2 hand brake wires

① Turn key to ON position and test

② If handbrake switch wire carries 12V when release and 0V when pull up handbrake, connect this wire to detection grey wire.

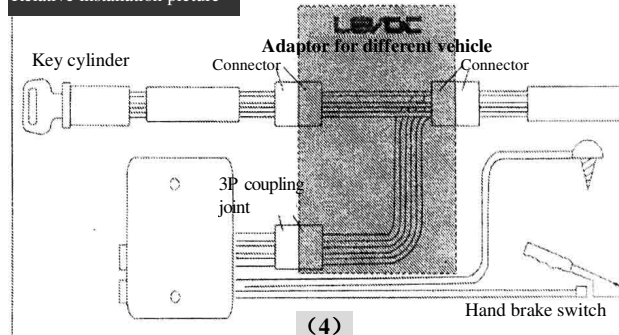
※ Footbrake or gear detection, please operate same as above.

## Wiring 1

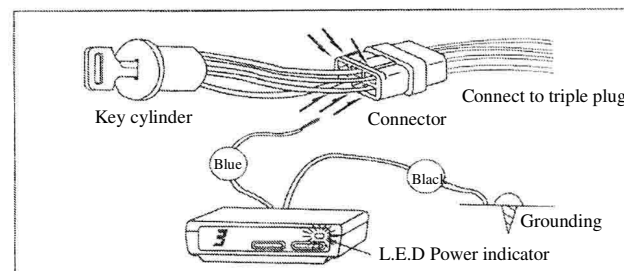
specified vehicle with adaptor

● Prepare adaptor for specified vehicle type (LEVOC series)

Relative installation picture



## Wiring Diagram



※ After installed, LED Power indicator will be ON when switch key to ACC or ON position, no matter turbo timer itself is switched ON or OFF.

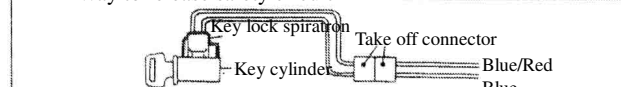
## ③ Connection <pay attention to vehicle type>

### NISSAN

---- AT vehicle produced since 1963

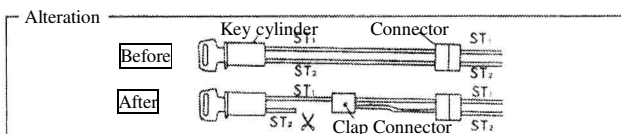
○ Turn off and pull out key, take off connector (blue/red and blue) extended from key lock spiratron.

Way to release safety circuit



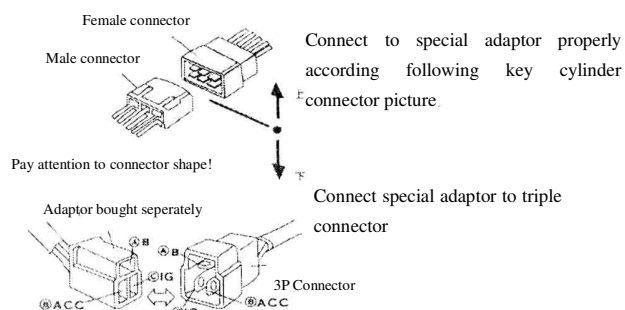
ATTN: Gear shift of some types of vehicle is locked, you need to release gear shift locking of Nissan AT vehicle by lock release connector (LEVOC: LVH-25/buy separately) .

### TOYOTA

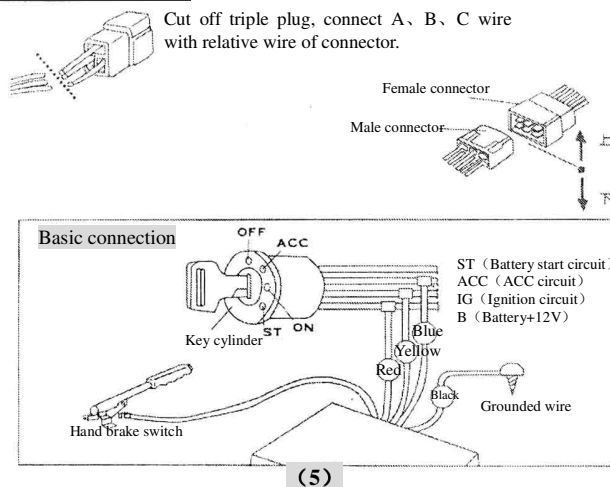


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## 2 Wiring Diagram



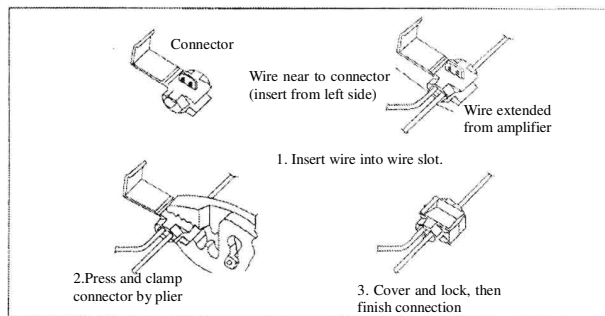
### Wiring 2 different vehicle type



## 3 Connection

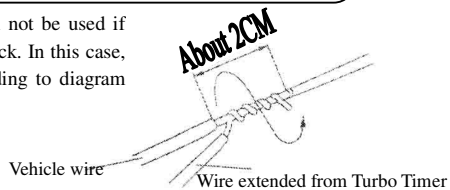
Usage of clap connector Needn't to take off wire skin

■ Connect with clap connector.



**Other method** When clap connector can't be used

■ Clap connector can not be used if vehicle wire is too thick. In this case, please connect according to diagram on right side.



- ※ For safety please disconnect battery cathode before installation.
- 1、 Take off wire skin 3cm length at the end of Turbo Timer wire.
- 2、 Take off wire skin 2cm length at the end of vehicle wire.
- 3、 Twist two ends together as above diagram.
- 4、 Wrap the connection point tightly for insulation.

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## Warranty Card

Thanks for purchasing Turbo Timer R-907!

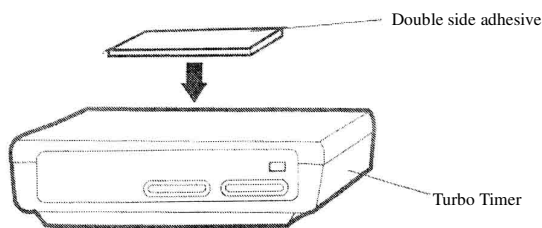
This product has passed our factory OQC inspection. If you meet any problem during normal use, please present this filled card to dealer or repair center for free repair according "warranty" condition listed out.

<b>Product Name</b>	Turbo Timer	<b>Model#</b>	R-907
<b>Customer</b>	TEL		
	Address:		
	Name:		
<b>Vehicle Type</b>			
Purchase Date:		year month date	
Warranty Period:		One year from purchase date	
<b>Dealer</b>	Address:		
	Dealer/Shop Name: <a href="http://www.elfinx.com">www.elfinx.com</a>		

Turbo Timer R-907

**Turbo Timer Fizz -907** (12)

## 4 Installation



■ Tear off paper on backside of adhesive. Install Turbo Timer near to control panel

- ※ Confirm wiring method first, then installation place.
- ※ Clean surface for affixing, adhesive tape can't be re-used.
- ※ To ensure capability of components inside, please don't expose turbo timer in sunlight.

## 5 Attention

- ※ Vehicle can not run if turbo timer starts work, steering wheel will be locked when key is pulled out.
- ※ Vehicle is in standby situation when turbo timer works.
- ※ Ensure there is no flammable article around before use.
- ※ Don't use in a close or unventilated garage and similar place.
- ※ We don't have duty on any dissension caused by improper use.
- ※ If vehicle carries electric fan, please check carefully whether it works after installation.

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