



# SERVICE BULLETIN

Subject: Allison Shift Selector Monitor  
Harness Improvement

Bulletin Type: Field Fix Conditional

Bulletin No: TS30-FC-2601

PQR No: 500000008061

Rev No:00

Ref. No: 700004920

Vehicle Model: TS30

Flat Rate Time / Code: 15 min

Date of issue: 17.02.2026

Modify Before: 17.06.2029

What to do with off coming parts:

- Scrap
- Return
- Use with additional parts
- On consignment
- No off coming parts

What to do with outstanding parts of previous revision:

- Scrap
- Return
- Use with additional parts
- On consignment
- No outstanding parts

Description of the modification: This bulletin aims to improve Allison shift selector monitor working condition by adding Zener diode to electrical wiring connection of the monitor. After the ignition was turned off, the shift selector monitor remained on for about 2 minutes. With this modification, the shift selector monitor will also turn off when the ignition is turned off.

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## SAFETY INSTRUCTIONS

### 1. Mechanical Requested Dress Code

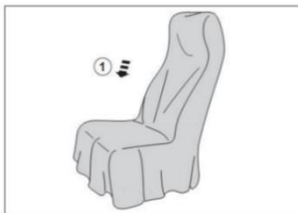


#### WARNING:

- Dress properly to avoid personal injury and damage to the vehicle

- ✓ Always wear protective clothing
- ✓ Do not wear any worn or loose-fitting clothing
- ✓ Remove jewelry before starting to work
- ✓ In case of long hair, use hairnet
- ✓ The illustration on the left shows some of the correct and incorrect clothing
- ✓ Sharp edged items should be avoided in order not to scratch vehicle (i.e. belts, watches, necklace)

### 2. Protect Seats when Mechanic Starts Working

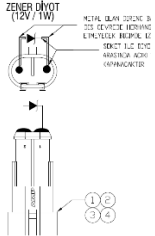





- ✓ Seats, trimming, upholstery stuff and carpeting should be protected with appropriate coverings.

### 3. Welding on the Chassis

- a. Always disconnect the batteries (starting with the negative lead).
- b. Disconnect the connectors of electrical and electronic equipment (electronic control units, sensors and actuators) if they are less than 2 meters away from the chassis part to be welded or the earth terminal of the welding equipment.
- c. The earth terminal should never be attached to vehicle components such as engine, axles and springs. Arcing on these parts is not permitted, because of the risk of damage to bearings, springs, etc.
- d. The earth terminal must make good contact and be placed as close as possible to the part to be welded.
- e. Plastic pipes, rubber parts and parabolic springs should be well protected against welding spatter and temperatures higher than 70°.
- f. The contact switch must not be in the accessory or contact position. The contact key should be removed.
- g. Reconnect in reversed order of disconnecting. Ensure that a good earth connection is made between chassis, engine and cab.

## INCLUDING PART LIST

PART NUMBER	PART DESCRIPTION	SYMBOL	QTY	Unit
9431-07Y	ZENER DIODE (12V/1WATT)		1	piece
9460-549	CONN-MALE-2 PIN-WP		1	piece
9402-81Y	TERMINAL, FEMALE- 0,75-1.5 mm2		2	piece
9820-30Y	CONN-WIRE SEAL- 0,75-2,5 mm2-RED		2	piece

## APPLICATION STEPS

### HARDWARE (INSTALLATION) APPLICATION

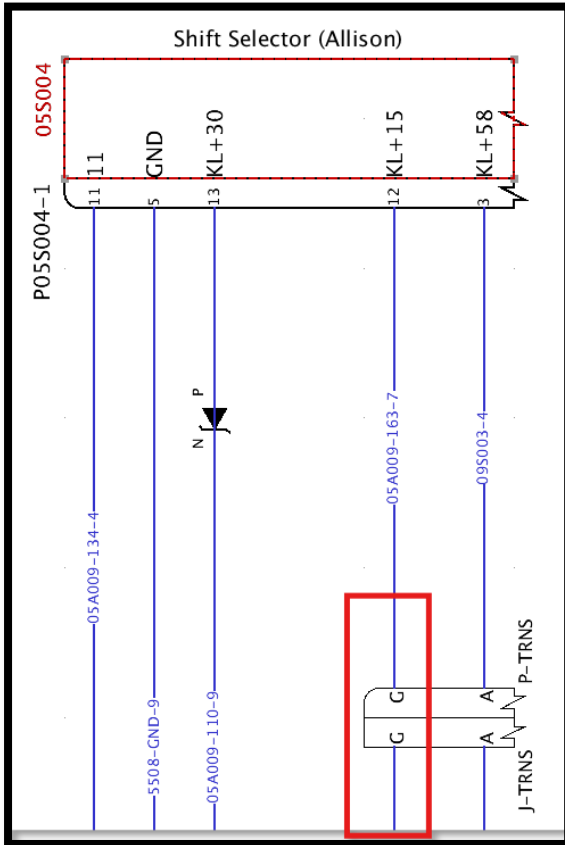
#### Adding Zener Diode to the KL15 Connection of the Shift Selector Monitor:

Before starting the hardware application, disconnect the battery from the vehicle's power supply by turning the accumulator circuit breaker off. You can turn the accumulator circuit breaker on again after modification process is complete.

Transition Sockets and Fuse&Relay Panel Location:



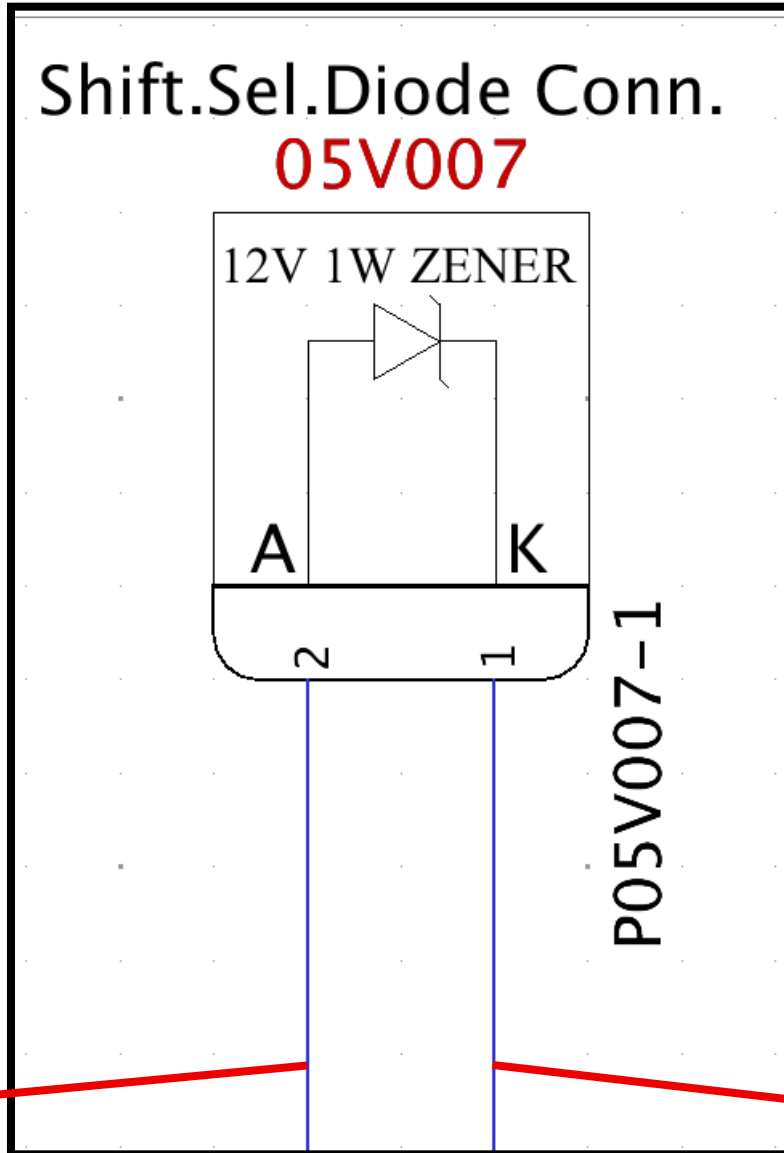
1. In the area where the relay panel transition sockets are located, find socket labeled P-TRNS.
2. The cable (05A009-163-7) connected to pin G of socket P-TRNS will be cut 10 cm from the point of connection.



3. Insert terminal numbered 9402-81Y into the cable remaining on the P-TRNS socket side of the cut cable.
4. Connect the terminated cable to pin 1 of the waterproof male connector numbered 9460-549.
5. Insert terminal numbered 9402-81Y into the other end of the cut cable.
6. Connect the terminated cable to pin 2 of the waterproof male connector numbered 9460-549.

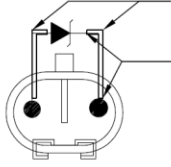
7. A zener diode (9431-07Y) female socket will be inserted into male socket numbered 9460-549. (The direction of the zener diode is indicated in the image below.)

Note: The metal diode leads must be insulated so that they do not come into contact with any point on the outer casing.

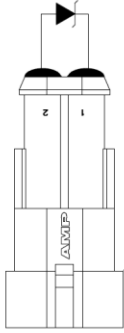


Note: Zener diode set connection as shown below:

ZENER DİYOT  
(12V / 1W)



METAL OLAN DİRENC BACAĞLARI  
DİS ÇEVREDE HERHANGİ BİR NOKTAYA TEMAS  
ETMEYECEK BİÇİMDE İZOLASYON İLE MUHAZA ELDİLECEKTİR  
SOKET İLE DİYOT BACAĞLARI, DİYOT BACAĞLARI İLE DİYOT GÖVDESİ  
ARASINDA ACIKLIK KALMAYACAK BİÇİMDE SEFFAF KATI (MUKAVEMETLİ SLİKON) MALZEME İLE  
KAPANACAKTIR



REV. NOTU :

1) DİYOT RESİMİ DÜZENLENDİ.

NOT :

İKULLANILAN TÖM KABLOLAR, KABLO KILIFLARI VE KABLO KANALLARI  
REGOLASYONUNA UYGUN OLMALIDIR.

AD	PARÇA NO	PARÇA ADI	SYM
1	12VOLT 1WATT	ZENER DİYOT	4
2	TU253143-03Y	SEAL	3
2	TU253143-05Y	ERKEK TERMINAL	2
1	TU253143-04Y	2'LI W/P DISİ SOKET	1