



Technical Service Information

DAIMLER CHRYSLER 41TE/42LE TRANSMISSION RANGE SENSOR CHANGE

CHANGE: As a running change during the 1999 model year, a newly designed Transmission Range Sensor, (Refer to Figure 1), was implemented for both the 41TE and 42LE transmissions. The connector part of the sensor changed from a pin type connector to a blade type connector. The chart in Figure 2 shows the “blade type” sensor applications by model code. Refer to Figures 5 and 6 for model code to vehicle application charts.

PARTS AFFECTED:

- (1) The Transmission Range Sensor terminals changed to a blade type.
- (2) The TRS vehicle harness connector changed to accommodate the blade type TRS
- (3) The transmission case has changed in order to accommodate the new type TRS as it is larger in diameter and therefore requires a larger pass through opening in that area of the case.

INTERCHANGEABILITY:

None of the previous design components listed above will interchange with the current design parts.

However, there is available a “Jumper Harness” to allow using 1998 and earlier components with the 1999 and later 41TE and 42LE transmissions and vehicles due to the fact that there are no operational differences between the previous and current Transmission Range Sensors.

The chart in Figure 3 indicates the TRS terminal assignments for both the pin type and the blade type.

The chart in Figure 4 shows the correct range parameters of both TRS types when viewed in the data list on the scan tool.

NOTE: *The wire colors on the “Jumper Harness” may not match the TRS vehicle wire harness colors. DO NOT use wire color as a guide when installing the “Jumper Harness”, use terminal location.*

SERVICE INFORMATION:

<i>41TE Pin Type TRS for 1998 and Earlier Vehicles.....</i>	<i>04659559AC</i>
<i>42LE Pin Type TRS for 1998 and Earlier Vehicles.....</i>	<i>04659492AC</i>
<i>41TE Blade Type TRS for 1999 and Later Vehicles.....</i>	<i>04659676AB</i>
<i>42LE Blade Type TRS for 1999 and Later Vehicles.....</i>	<i>004659677AB</i>
<i>41TE Jumper Harness Kit.....</i>	<i>05014473AA</i>
<i>42LE Jumper Harness Kit.....</i>	<i>05014474AA</i>

Note: *Chrysler has made available an oversized TRS to case seal so an earlier TRS may be used in a Late case. Part # 05013863AA*

TRANSMISSION RANGE SENSOR CHANGE

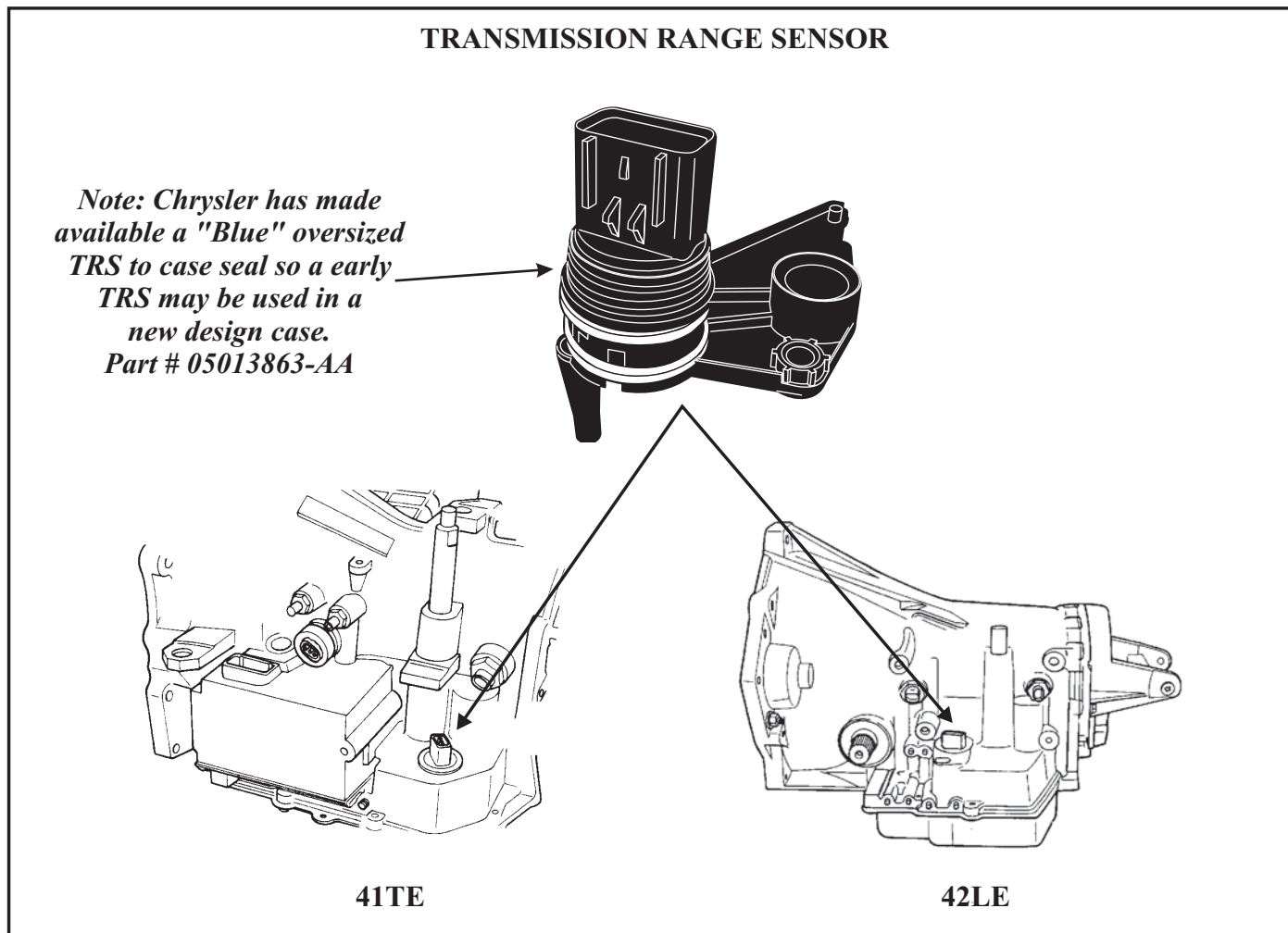


Figure 1

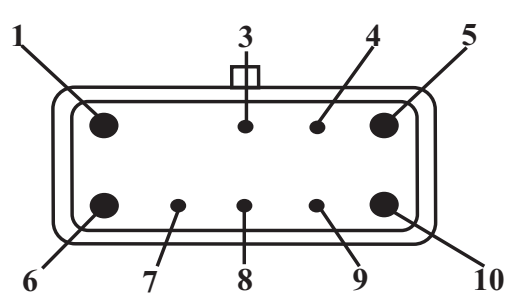
TRS APPLICATION CHART		
1999 MODEL TRS IMPLEMENTATION	ENGINE SIZE (LITERS)	TRANSAXLE BUILD DATE
NS / GS	3.0 / 3.3	9/25/98 OR LATER
NS / GS	2.4 / 3.8	9/28/98 OR LATER
NS / GS AWD	3.8	9/29/98 OR LATER
FJ / JA / JX	2.0 / 2.4 / 2.5	9/26/98 OR LATER
LH	2.7 / 3.2 / 3.5	9/21/98 OR LATER
PR	3.5	11/19/98 OR LATER

Figure 2

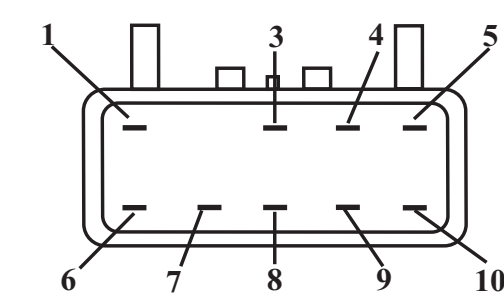
Technical Service Information

TRANSMISSION RANGE SENSOR CHANGE

TRS TERMINAL ASSIGNMENT	
TRS TERMINAL NUMBER	TRS TERMINAL FUNCTION
1	FUSED IGNITION SWITCH OUTPUT
2	NOT USED
3	SPEED SENSOR GROUND
4	TRANSMISSION TEMPERATURE SENSOR SIGNAL
5	PARK/NEUTRAL POSITION SWITCH SENSE
6	REVERSE LAMP SENSE
7	TRS T1 (C4) SENSE
8	TRS T3 (C3) SENSE
9	TRS T42 (C2) SENSE
10	TRS T41 (C1) SENSE



**PREVIOUS DESIGN
PIN TYPE**



**CURRENT DESIGN
BLADE TYPE**

Figure 3

RANGE		T42 (C2)	T41 (C1)	T3 (C3)	T1 (C4)
P	P	CL	CL	CL	OP
R	R	OP	CL	OP	OP
N	N	CL	CL	OP	CL
OD	D	OP	OP	OP	CL
3	2	OP	OP	CL	OP
1	1	OP	CL	CL	CL

OP = SWITCH IS OPEN
CL = SWITCH IS CLOSED

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Figure 4



Technical Service Information

DAIMLER/CHRYSLER

MODEL ID CODES

DAIMLER/CHRYSLER VEHICLE MODEL IDENTIFICATION		
MODEL YEAR	MODEL CODE	VEHICLE MODEL
1989 - 1995	AA	Spirit; Acclaim; Lebaron Sedan
1989 - 2003	AB	Ram Van/Wagon
1989 - 1993	AC	Dynasty; New Yorker; New Yorker Salon
1989 - 1993	AD	Ram Truck
1989 - 1994	AG	Daytona
1989	AH	Lancer; Lebaron GTS
1989 - 1995	AJ	Lebaron Coupe; Lebaron Convertible
1989 - 1990	AK	Aries/reliant
1989 - 1990	AL	Horizon/Omni
1989	AM	Diplomat; Gran Fury; New Yorker Fifth Avenue
1989 - 2004	AN	Dakota
1989 - 1994	AP	Shadow/Sundance
1990 - 1991	AQ	Maserati
1990 - 1993	AY	Imperial; New Yorker Fifth Avenue
1994 - 2002	BR/BE	Ram Pickup Truck
2004 - 2005	CS	Pacifica
1998 - 2003	DN	Durango
2002 - 2004	DR	Ram Pickup Truck
1995 - 2000	FJ	Sebring; Avenger; Talon
1996 - 2000	GS	Chrysler Voyager (International Market)
2004	HB	Durango
1995 - 2000	JA	Cirrus; Stratus; Breeze
2001 - 2004	JR	Sebring Sedan & Convertible; Stratus Sedan
1996 - 2000	JX	Sebring Convertible
2002 - 2004	KJ	Jeep Liberty
2002 - 2004	KJ	Jeep Cherokee (International Market)
1993 - 2004	LH	Concorde; Intrepid; Vision; LHS; New Yorker; 300M
2005	LX	Chrysler 300C; Dodge Magnum
1996 - 2000	NS	Town & Country; Voyager; Caravan
2002 - 2003	PG	Chrysler PT Cruiser (International Market)
1995 - 2004	PL	Neon
1997 - 2002	PR	Prowler
2000 - 2005	PT	PT Cruiser

Figure 5

DAIMLER/CHRYSLER

MODEL ID CODES

DAIMLER/CHRYSLER VEHICLE MODEL IDENTIFICATION		
MODEL YEAR	MODEL CODE	VEHICLE MODEL
2001 - 2005	RG	Chrysler Voyager (International Market)
2001 - 2005	RS	Town & Country; Caravan; Voyager
1993 - 2002	SR	Viper
2001 - 2004	ST	Sebring Coupe; Stratus Coupe
1997 - 2004	TJ	Jeep Wrangler
2003 - 2005	VA	Sprinter
1999 - 2004	WG	Jeep Grand Cherokee (International Market)
1999 - 2004	WJ	Jeep Grand Cherokee
2005	WH	Grand Cherokee (International Market)
2005	WK	Jeep Grand Cherokee
1989 - 1995	YJ	Jeep Wrangler
2003 - 2004	ZB	Viper
1996 - 1998	ZG	Grand Cherokee (International Market)
2004 - 2005	ZH	Crossfire
1994 - 1998	ZJ	Jeep Grand Cherokee; Grand Wagoneer

Figure 6