

Transmission: **Chrysler A604 (41TE), A606 (42LE)**
Jeep 42RLE

Transmission Code: **030**

Dedicated Harness Sets:

03X201 (A604) Rev. A
03X202 (A606) Rev. A
03X209 (42RLE)

SOLENOID TEST: (Engine off)				
Solenoid	TranX Setting	Output Channel	AMPS Cold-Hot	Resistance Cold-Hot
2-4 Clutch	Gear 1	1	0 - (1.8 - 2.5) Duty MIN - MAX	1 - 3 Ω
Low/Reverse Clutch	Gear 2	2	0 - (1.8 - 2.5) Duty MIN - MAX	1 - 3 Ω
Overdrive Clutch	Gear 3	3	0 - (1.8 - 2.5) Duty MIN - MAX	1 - 3 Ω
Underdrive Clutch	Gear 4	4	0 - (1.8 - 2.5) Duty MIN - MAX	1 - 3 Ω

CAUTION:

Always come to a COMPLETE STOP & TURN ENGINE OFF before changing test modes

CAUTION:

Do not operate vehicle unless all 4 solenoids read correct current

SHIFT/MONITOR TEST

GEAR	2-4 Clutch (pulsed)	Low/Reverse Clutch (pulsed) (Lockup 2nd, 3rd & 4th)	Overdrive Clutch (pulsed)	Underdrive Clutch (pulsed)
	1st	ON	ON	OFF
2nd	OFF	OFF	OFF	OFF
3rd	ON	OFF	ON	OFF
4th	OFF	OFF	ON	ON

Notes:

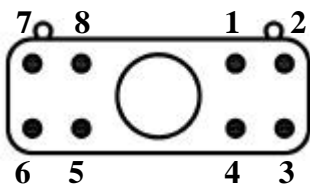
- ◆ Set Pressure Duty Cycle between 30 & 50% for firm shifts.
- ◆ Underdrive is momentarily bumped on during change to 1st to ensure correct operation.
- ◆ **Low/Reverse Clutch Solenoid** is controlled by **Lock Up Switch** in 2nd, 3rd and 4th gears to allow Lock Up engagement. **Lock Up Switch** will not work in 1st gear.
- ◆ EPC Duty cycle controls duty cycle for all 4 solenoids in both shift test and solenoid test. Set to 50% in solenoid test. Resistance will read 2x actual value.
- ◆ Polarity = Common **Positive**

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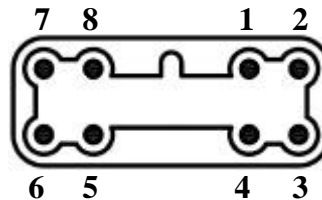
Pressure Switch Settings			
Gear	Low Rev. Pres. Switch (Sensor 1)	2-4 Pressure Switch (Sensor 2)	Overdrive Pres. Switch (Sensor 3)
1st	GREEN	Red	Red
2nd (no lock up)	Red	GREEN	Red
3rd (no lock up)	Red	Red	GREEN
4th	Red	GREEN	GREEN

CONNECTORS:

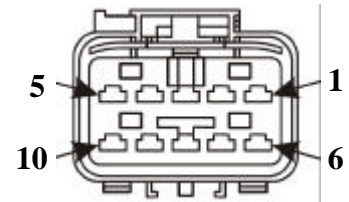
(Looking into harness connectors)



A604 (41TE)



A606 (42LE)



42RLE

Wiring Chart

Case Connector	Pin Number	TranX 2000 Harness Wire	Vehicle Function	TranX 2000 Output Location	TranX 2000 25 Way Pin
A604	A606	42RLE			
1	2	5	White (Yellow)	2-4 Pressure Switch	Sensor 2 LED 16 (1 ECU only)
2	3	10	Orange	Low Reverse Pressure Switch	Sensor 1 LED 15
3	6	6	Green/White (Gray)	Over Drive Pressure Switch	Sensor 3 LED 17 (2 ECU only)
4	4	3	Red	+12 V to solenoids	12
4	4	3	Red/Brown Stripe	+12 V to solenoids	13
5	8	2	Green/Red Stripe	Underdrive Solenoid	Output Channel 4 6
6	7	1	Pink	Overdrive Solenoid	Output Channel 3 5
7	1	7	Green	Low Reverse/Lock Up Solenoid	Output Channel 2/ Lock Up Switch 8
8	5	4	Blue	2-4 Solenoid	Output Channel 1 7