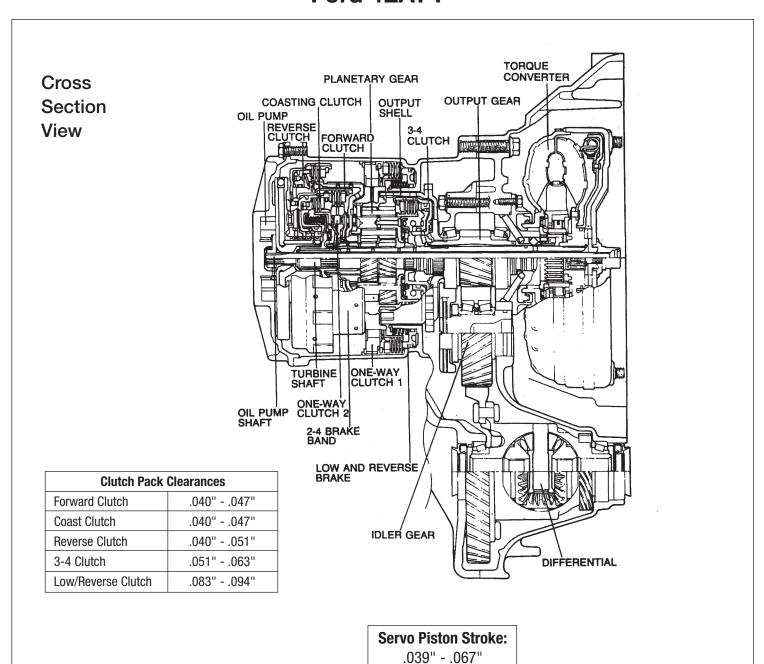
### Руководство по ремонту АКПГ



# Mazda F4A-EL Ford 4EAT-F

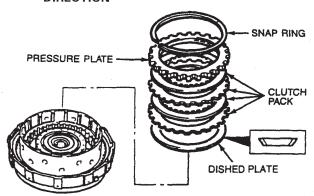




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# TRANStec®

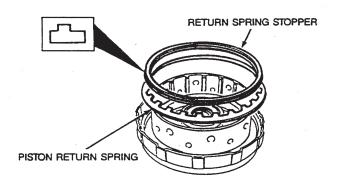
# COAST CLUTCH DISHED PLATE DIRECTION



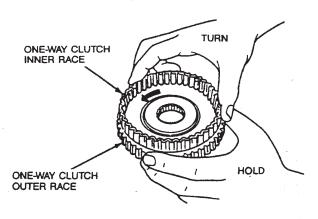
# REVERSE CLUTCH RETURN SPRING AND STOPPER DIRECTION

Install the new piston return spring with the tabs facing away from the reverse piston.

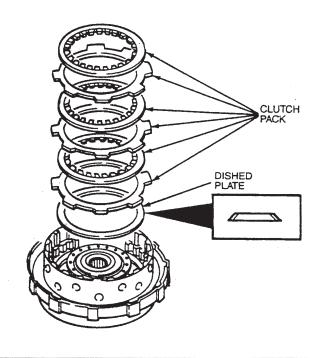
Install the return spring stopper with the step facing upwards.



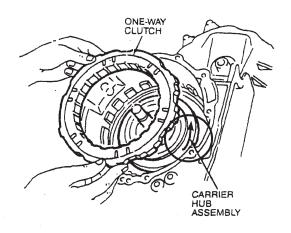
#### **ONE-WAY CLUTCH**



# FORWARD CLUTCH DISHED PLATE DIRECTION

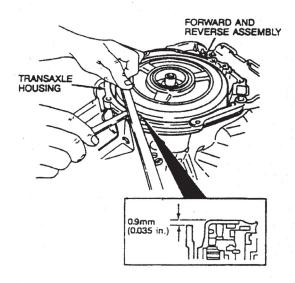


### CARRIER HUB ASSEMBLY MUST ROTATE COUNTERCLOCKWISE WHILE WORKING FROM THE REAR' SIDE OF TRANSAXLE

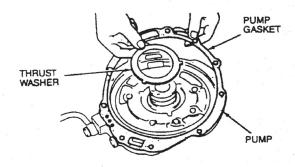


#### TOTAL END PLAY PROCEDURE AND THRUST WASHER SELECTION

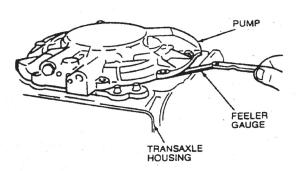
NOTE: Measure the height difference between the forward and reverse drum and the transaxle housing. Maximum clearance should be 0.9mm (0.035 inch).



- To adjust the total end play, set the bearing onto the forward and reverse clutch assembly.
- Remove the previously used thrust washer and gasket located on the pump.



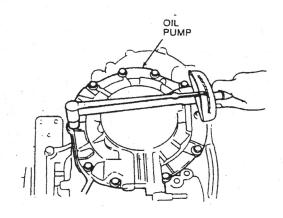
- 3. Set the thickest thrust washer, 2.2mm (0.087 inch), on the oil pump.
- 4. Set the oil pump onto the clutch assembly.
- 5. Using a feeler gauge, measure the clearance between the transaxle housing and the oil pump.



6. Select a suitable thrust washer.

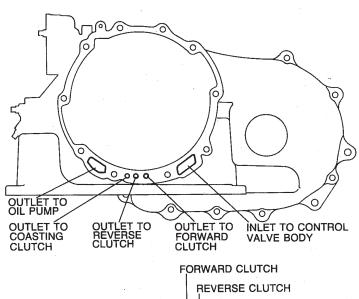
Clearance A mm (in)	Select this thrust washer mm (in)
0.91-1.10 (0.036-0.043)	1.2 (0.047)
0.71-0.90 (0.028-0.035)	1.4 (0.055)
0.51-0.70 (0.020-0.027)	1.6 (0.063)
0.31-0.50 (0.012-0.019)	1.8 (0.071)
0.11-0.30 (0.004-0.011)	2.0 (0.078)
0-0.10 (0)	2.2 (0.087)

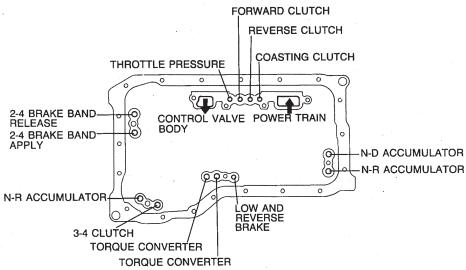
- 7. Remove the oil pump.
- Place the selected thrust washer and a new gasket onto the oil pump.
- Install the oil pump onto the clutch assembly.
   Secure it with bolts. Tighten the bolts to 19-26
   N-m (14-19 lb-ft).

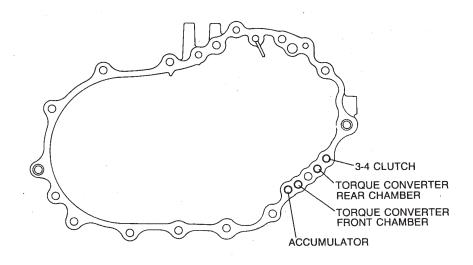




### **FLUID PASSAGE LOCATIONS**

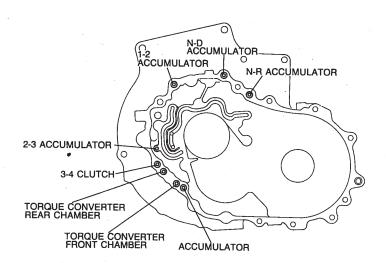


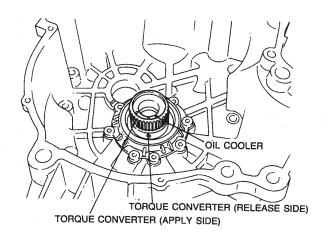




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#### **CLUTCH HOUSING**





The F4A-EL had some accumulator's that came from the factory with Teflon® sealing rings.

To provide better sealing,
TransTec® has engineered
4 large and 3 small
D-rings to replace the original Teflon® rings used
by the factory where applicable (see chart).

Application	Description	Color	O.E. Type	TransTec Type	Loc.
Mazda/Ford 89-Up	1-2 Accum.	Red	D-Ring D-Ring	D-Ring D-Ring	Large Small
Mazda/Ford 89-Up	2-3 Accum.	Green	Sealing-Ring Sealing Ring	D-Ring D-Ring	Large Small
Mazda to 3/23/98	Neutral-Drive	Green	Sealing Ring Sealing-Ring	D-Ring D-Ring	Large Small
Ford to 3/1/98	Neutral Drive	Blue	Sealing Ring 0-Ring	D-Ring O-Ring 17.8 x 2mm	Large Small
Mazda from 3/23/98 Ford from 3/1/90	Neutral Drive	Yellow	Sealing Ring 0-Ring	D-Ring O-Ring 17.6 x 2.4mm	Large Small
Mazda 89-Up	Neutral-Reverse	Clear	Sealing Ring Sealing Ring	D-Ring D-Ring	Large Small
Ford 89-Up	Neutral-Reverse	Blue	O-Ring Not Used	0-Ring 25 x .5mm	Large Small

OUTLET TO FORWARD CLUTCH
OUTLET TO REVERSE CLUTCH
OUTLET TO CASTING CLUTCH
OUTLET TO CONTROL VALVE BODY
INLET FOR LUBRICATION
INLET TO FORWARD CLUTCH
INLET TO REVERSE CLUTCH

OIL PUMP



### LINE AND THROTTLE PRESSURE SPECIFICATIONS

#### Line pressure:

Range	Line pressure	psi
nange	ldle	Stall '
D,S,L	61—81	132—152
R	105—127	216—249

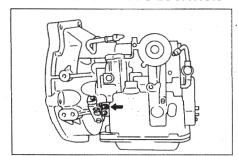
#### Throttle pressure:

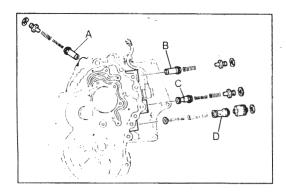
Panca	Throttle pressure	psi
Range	Idle	Stall
D	7—17	58—75

# THROTTLE PRESSURE PORT LOCATION



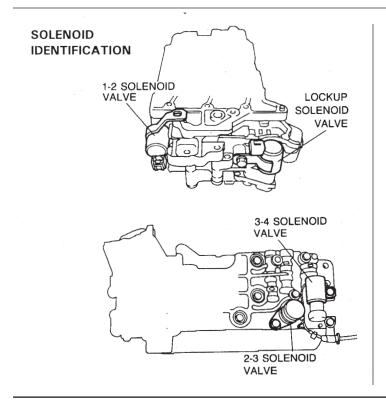
#### LINE PRESSURE PLUG LOCATION

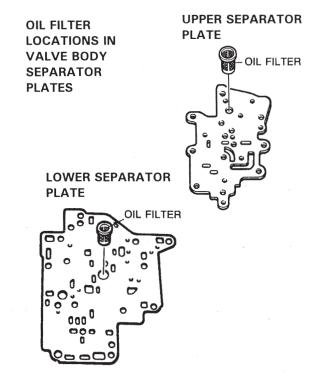




#### **ACCUMULATOR PISTON IDENTIFICATION**

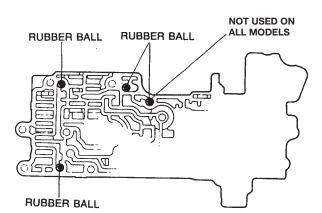
P	iston Seal ri	ng Large mm	(in) Small mm (in)
Α	2-3 accumulator piston	29.87 (1.176	3) 21.91 (0.863)
В	1-2 accumulator piston	30.1 (1.185	) 22.4 (0.882)
C	N-D accumulator piston	29.87 (1.176	3) 21.91 (0.863)
D	N-R accumulator piston	29.87 (1.176	5) 21.91 (0.863)



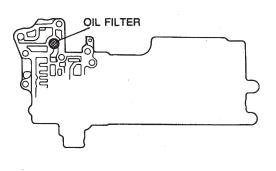


### MAIN CONTROL VALVE BODY

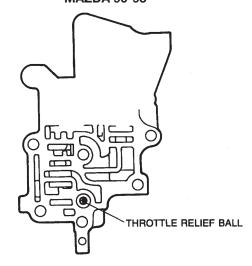
### (PREMAIN CONTROL VALVE BODY SIDE - ALL)



(UPPER CONTROL VALVE BODY SIDE - ALL)

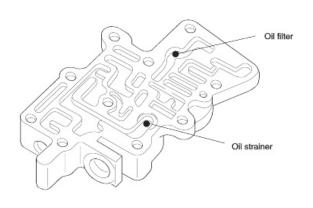


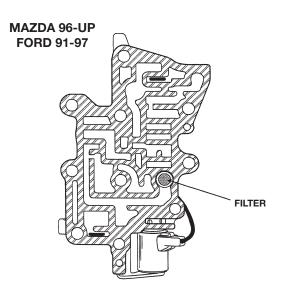
UPPER CONTROL VALVE BODY MAZDA 90-95



MAZDA 92-UP FORD 98-UP

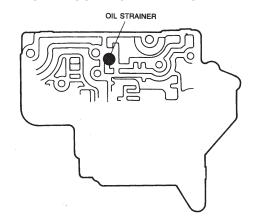
**KIA 97-UP** 



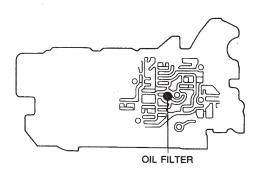




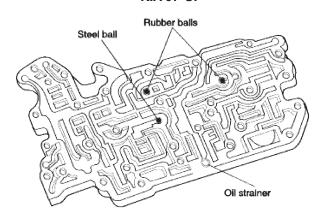
#### **LOWER CONTROL VALVE BODY - ALL**



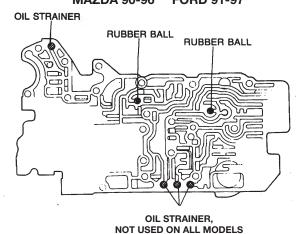
#### (LOWER CONTROL VALVE BODY SIDE - ALL)



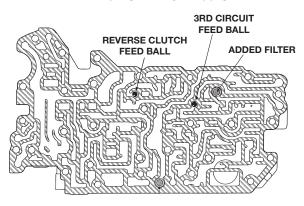
## MAIN CONTROL VALVE BODY SIDE KIA 97-UP



### MAIN CONTROL VALVE BODY SIDE MAZDA 90-96 FORD 91-97



## MAIN CONTROL VALVE BODY SIDE MAZDA 97-UP FORD 98-UP





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