

PROBLEM SYMPTOMS TABLE

Use the table below to help you find the cause of the problem. The numbers indicate the priority of the likely cause of the problem. Check each part in order. If necessary, replace these parts.

NOTICE:

Refer to A43D Automatic Transmission Repair Manual (Pub. No. RM387U) when ★ mark appears in the column for page numbers.

ON-VEHICLE:

Symptom	Suspect Area	See page
Does not move in any forward position	5. Off-vehicle repair matrix chart	–
Does not move in reverse position	1. Off-vehicle repair matrix chart	–
Does not move in any forward position or reverse position	1. Parking lock pawl 2. Manual valve 3. Primary regulator valve 4. Off-vehicle repair matrix chart	AT-26 ★ ★ –
No up-shift (1st → 2nd)	1. Governor valve 2. 1-2 shift valve 3. Off-vehicle repair matrix chart	AT-17 ★ –
No up-shift (2nd → 3rd)	1. Governor valve 2. 2-3 shift valve 3. Off-vehicle repair matrix chart	AT-17 ★ –
No up-shift (3rd → O/D)	1. Governor valve 2. 3-4 shift valve 3. Electrical control system check 4. Off-vehicle repair matrix chart	AT-17 ★ AT-2 –
No down-shift (O/D → 3rd)	1. Electrical control system check 2. Throttle valve 3. Down shift plug 4. Detent regulator valve 5. 3rd coast shift valve 6. 3-4 shift valve	AT-2 ★ ★ ★ ★ ★
No down-shift (3rd → 2nd)	1. Throttle valve 2. Down shift plug 3. Detent regulator valve 4. 2-3 shift valve	★ ★ ★ ★
No down-shift (2nd → 1st)	1. Throttle valve 2. Down shift plug 3. Detent regulator valve 4. 1-2 shift valve	★ ★ ★ ★
Shift point too high or too low	1. Governor valve 2. Primary regulator valve 3. Throttle valve 4. 1-2 shift valve 5. 2-3 shift valve 6. 3-4 shift valve	AT-17 ★ ★ ★ ★ ★
Up-shift 3rd → O/D with O/D main switch OFF	1. Parking lock pawl 2. 3rd coast shift valve	AT-26 ★
Harsh engagement (N → R)	1. C ₂ accumulator 2. Reverse clutch sequence valve 3. Off-vehicle repair matrix chart	★ ★ –
Harsh engagement (N → D)	1. C ₁ accumulator 2. Off-vehicle repair matrix chart	★ –

Harsh engagement (N → L)	1. 1-2 shift valve 2. Low coast shift valve 3. Off-vehicle repair matrix chart	★ ★ –
Harsh engagement (1st → 2nd "D" position)	1. B ₂ accumulator 2. Off-vehicle repair matrix chart	★ –
Harsh engagement (1st → 2nd "2" position)	1. B ₂ accumulator 2. Intermediate shift valve 3. Off-vehicle repair matrix chart	★ ★ –
Harsh engagement (1st → 2nd → 3rd → O/D)	1. Throttle valve 2. Primary regulator valve	★ ★
Harsh engagement (2nd → 3rd)	1. C ₂ accumulator 2. Off-vehicle repair matrix chart	★ –
Harsh engagement (3rd → O/D)	1. Off-vehicle repair matrix chart	–
Harsh engagement (O/D → 3rd)	1. Off-vehicle repair matrix chart	–
Harsh engagement (3rd → 2nd)	1. C ₂ accumulator 2. Off-vehicle repair matrix chart	★ –
Slip (Forward & Reverse)	1. Primary regulator valve 2. Off-vehicle repair matrix chart	★ –
Slip "R" position	1. Off-vehicle repair matrix chart	–
Slip (1st)	1. Off-vehicle repair matrix chart	–
Slip (2nd)	1. Off-vehicle repair matrix chart	–
Slip (3rd)	1. Off-vehicle repair matrix chart	–
Slip (O/D)	1. Off-vehicle repair matrix chart	–
No engine braking (1st "L" position)	1. Off-vehicle repair matrix chart	–
No engine braking (2nd "2" position)	1. Off-vehicle repair matrix chart	–
No kick-down	1. Throttle valve 2. Down shift plug 3. Detent regulator valve 4. 1-2 shift valve 5. 2-3 shift valve 6. 3-4 shift valve	★ ★ ★ ★ ★ ★
Poor acceleration	1. Off-vehicle repair matrix chart	–

OFF-VEHICLE:

Symptom	Suspect Area	See page
Does not move in any forward position	1. Front clutch (C ₁)	★
Does not move in reverse position	1. Rear clutch (C ₂) 2. No.3 brake (B ₃)	★ ★
Does not move in any forward position or reverse position	1. Torque converter clutch 2. Oil pump 3. O/D direct clutch (C ₀) 4. O/D one-way clutch (F ₀) 5. Front planetary gear 6. Rear planetary gear	AT-35 ★ ★ ★ ★ ★
No-up shift (1st → 2nd)	1. No.2 brake (B ₂) 2. No.1 one-way clutch (F ₁)	★ ★
No-up shift (2nd → 3rd)	1. Rear clutch (C ₂)	★
No-up shift (3rd → O/D)	1. O/D brake (B ₀)	★
Harsh engagement (N → R)	1. Rear clutch (C ₂) 2. No.3 brake (B ₃)	★ ★

AUTOMATIC TRANSMISSION (A44D) – AUTOMATIC TRANSMISSION SYSTEM

Harsh engagement (N → D)	1. Front clutch (C ₁)	★
Harsh engagement (N → L)	1. No.3 brake (B ₃)	★
Harsh engagement (1st → 2nd "D" position)	1. No.2 brake (B ₂)	★
Harsh engagement (1st → 2nd "2" position)	1. No.1 brake (B ₁) 2. No.2 brake (B ₂)	★ ★
Harsh engagement (2nd → 3rd)	1. Rear clutch (C ₂)	★
Harsh engagement (3rd → O/D)	1. O/D brake (B ₀)	★
Harsh engagement (O/D → 3rd)	1. O/D direct clutch (C ₀)	★
Harsh engagement (3rd → 2nd)	1. No.2 brake (B ₂)	★
Slip (Forward & Reverse)	1. O/D direct clutch (C ₀) 2. Torque converter clutch 3. Oil pump 4. O/D one-way clutch (F ₀)	★ AT-35 ★ ★
Slip ("R" position)	1. O/D direct clutch (C ₀) 2. Rear clutch (C ₂) 3. No.3 brake (B ₃) 4. O/D one-way clutch (F ₀)	★ ★ ★ ★
Slip (1st)	1. O/D direct clutch (C ₀) 2. Front clutch (C ₁) 3. O/D one-way clutch (F ₀) 4. No.2 one-way clutch (F ₂)	★ ★ ★ ★
Slip (2nd)	1. O/D direct clutch (C ₀) 2. Front clutch (C ₁) 3. No.2 brake (B ₂) 4. O/D one-way clutch (F ₀) 5. No.1 one-way clutch (F ₁)	★ ★ ★ ★ ★
Slip (3rd)	1. O/D direct clutch (C ₀) 2. Front clutch (C ₁) 3. Rear clutch (C ₂) 4. No.2 brake (B ₂) 5. O/D one-way clutch (F ₀)	★ ★ ★ ★ ★
Slip (O/D)	1. Front clutch (C ₁) 2. Rear clutch (C ₂) 3. O/D brake (B ₀)	★ ★ ★
No engine brake (1st "L" position)	1. No.3 brake (B ₃)	★
No engine brake (2nd "2" position)	1. No.1 brake (B ₁)	★
Poor acceleration	1. Torque converter clutch	AT-35