

Revisions to this ST are noted by a stripe in the left hand margin.

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SUBJECT: Transmission Fluid/Filter Change Recommendations—New Schedule One TES 389 Fluid Specification—DEXRON[®]-VI, Removal of C4 Fluids, and Release of Fluid and Filter Prognostics -TranSynd® is the only approved fluid for E^V 40/50 Drives[™]

EQUIPMENT AFFECTED: All Commercial On-Highway Products AT 500 Series, MT 600 Series, HT 700 Series 1000 and 2000 Product Families Transmissions 3000 and 4000 Product Families Transmissions E^V 40/50 Drive™

Introduction:

Optimum performance and reliability of heavy-duty automatic transmissions can be noticeably influenced by the type of fluid used and the frequency with which that fluid is changed. Allison Transmission has designed extensive programs including specifications and tests to verify the quality of fluids and consequently have specific fluid and filter change recommendations. Due to field studies, changes in emission requirements, vehicle design, and operating environments, Allison Transmission has realigned recommended fluid and filter change intervals. Heavy-duty Automatic Transmission change intervals have been revised to more closely match today's operating environments. In addition, GM has replaced DEXRON®-III with DEXRON®-VI effective January 1, 2007. Allison has made changes to 1000, 2000, 3000, 4000 Product Families transmissions to be compatible with DEXRON®-VI. Allison has also created a new automatic transmission fluid specification, Schedule One TES 389. The new Allison specification gives OEMs and customers another approved fluid choice. **Allison C4 fluids are no longer approved for Commercial On-Highway products**.

Model Year 2009 Prognostics:

Starting with Model Year 2009 production (Serial Numbers 6510822005, 6520099957, 6610257671, 6620007438) Allison Transmission has released fluid and filter Prognostics for the 1000/2000/3000/4000 Product Families transmissions using Allison Approved TES 295 fluids. This new feature allows customers to maximize the life of the transmission fluid and filters. **Allison Prognostics must only be used with Allison Approved TES 295 fluids**.

The 1000/2000 Product Families transmissions **require** the use of Allison P/N 29539579 control main spin-on filter and the 3000/4000 Product Families transmissions **require** the use of Allison High Capacity Filters to be used with Prognostics. 1000/2000/3000/4000 Product Families Prognostics may or may not be turned ON in vehicles (OEM/Customer option). This option requires the OEM to wire/install the system and the customer to request this option to be turned ON in their vehicle. Refer to the appropriate Operator's Manual for methods of identifying if Prognostics are turned ON. Additional information about Prognostics can be found in the Operator's Manual.

Allison Transmission, Inc. Indianapolis, IN 46206-0894

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Fluids and Specifications:

Fluid types are defined by applicable performance specification. The following transmission fluid types are approved for use in Allison Commercial On-Highway transmission products.

| Fluid Type | Recommended (Intended) Usage | |
|---|---|--|
| TES 295 | General or severe duty | |
| See www.allisontransmission.com for a list of Allison Approved TES 295 fluids | Extended change interval⁽⁴⁾ (required) Extended Transmission Coverage (ETC) policy (required) | |
| TranSynd [®] is a TES 295 approved fluid | Prognostics (required) TranSynd® is the only approved fluid for E^V 40/50 products. | |
| Non-TES 295 ⁽¹⁾ Schedule One TES 389 * DEXRON®-III (if available) DEXRON®-VI(²) Military specification fluids (for use in Military Vehicles Only) ⁽³⁾ * See www.allisontransmission.com for a list of Allison Approved TES 389 fluids | General or severe duty Standard change interval⁽⁴⁾ | |
| NOTES: | | |
| (1) TES 228 (C4 type) fluids are no longer approved for use in and have been removed from the non-TES 295 list. | Commercial On-Highway transmission products | |
| (2) DEXRON[®]-VI use is restricted to transmissions beginning with serial numbers: 1000/2000 Product Families: 6310670488 3000 Product Family: 6510717281 (Indianapolis), 6520083093 (Hungary) 4000 Product Family: 6610220990 (Indianapolis), 6620005821 (Hungary) DEXRON[®]-VI is prohibited from use in AT/MT/HT Series transmissions. | | |
| (3) Military specification fluids are for use in Military Use Only and are <u>strictly prohibited</u> from use in 1000 and 2000 Product Families transmission products. | | |
| (4) Fluid and filter change intervals are based on transmission model, vocation (duty cycle), and fluid type (see attached charts). NOTE: TES 295 drain intervals are based on 100 percent fill with TES 295 fluid. Fluid change intervals may be adjusted based on fluid analysis and fleet data. Refer to Service Information Letter 17-TR-96 for details. | | |

Local conditions, severity of operation or duty cycle may require more or less frequent fluid change intervals that differ from the published recommended fluid change intervals of Allison Transmission. Allison Transmission recommends that customers use fluid analysis as the primary method for determining fluid change intervals. In the absence of a fluid analysis program the fluid change intervals listed in the charts to follow must be used.

For information concerning models not listed in this publication, please call the Allison Technical Assistance Center at 1-800-252-5283.

Refer to the latest revision of Allison publication number GN2055EN, "Technicians' Guide to Automatic Transmission Fluid", SIL 17-TR-96, and WATCH 360 for additional information on oil analysis and general knowledge about transmission fluids.

Transmissions Not OEM Factory Filled with TES 295 Fluids:

New vehicles delivered from the OEM with a mixture of TES 295 fluid and Non-TES 295 fluid must follow fluid/filter change recommendations for Allison approved Non-TES 295 fluids outlined in flow charts. **NOTE: Prognostics must be turned OFF when using Non-TES 295 fluid.** If the customer fills the transmission with Allison approved TES 295 fluid, the change recommendations of Allison approved Non-TES 295 fluids must be followed. Upon the second oil change, if the customer reinstalls TES 295, the fluid/filter change recommendations outlined in 100 percent TES 295 approved fluids must be followed.

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Fluid Exchange:

Fluid exchanging machines are not recommended or recognized due to variation and inconsistencies that may not guarantee removal of 100 percent of the used fluid.

3000/4000 Product Families and E^v 40/50 Filters:

New high-capacity filters were released into production beginning with:

6510670912 6610205144 7110001551 6520067342 6620002521

3000 and 4000 Product Families Transmissions Elimination of Initial Filter Change Requirement and Kit:

Transmissions equipped with Allison high-capacity filters do not require an initial main filter change at 5000 miles/8000 km/ 200 hours. However, serial numbers prior to those numbers listed above, Allison Transmission requires the initial filter change interval. An initial main filter kit (2 inch kit P/N 29540495 or 4 inch kit P/N 29540496) contains only one Gold series filter and all necessary seals and gaskets to perform the first 5000 mile/8000 km/200 hour main filter change. These kits have been completely cancelled. Once stock has been depleted, it will be necessary to order the high-capacity filter from the Allison Parts Distribution Center.

Fluid Loss With Filter Change Only:

When performing initial main filter change or changing main and lube filters at recommended intervals, approximate fluid loss for each filter as follows:

1000 and 2000 Product Families Transmissions

Control Main Filter = 1 pint (0.47 liters)

3000 and 4000 Product Families Transmissions

Main Filter = 2 quarts (1.9 liters) Lube Filter = 8 quarts (7.6 liters)

E^v 40/50

Control Main Filter= 1 quart (0.94 liters) Lube Filter = 3 quarts (2.84 liters)

High-Capacity Filters:

Allison 3000/4000 Product Families and E^V 40/50 transmissions high-capacity filters were released into production beginning July 2006. High-capacity filters allow extended filter change intervals when used with Allison approved TES 295 fluid (TranSynd® is the only approved fluid for E^V 40/50 products). High-capacity filters can be identified by P/N 29545777 or 29545780 stamped into the filter end cap. Previous Allison 3000/4000 Product Families and E^V 40/50 transmissions filters can be identified by P/N 29538231 or 29538232 stamped into the filter end cap.

| | Former Gold Series Filter Kit | Current High-Capacity Filter Kit |
|----------------------------|--------------------------------|----------------------------------|
| 2000/4000 Broduct Familias | 2 inch Filter Kit P/N 29540493 | 2 inch Filter Kit P/N 29548987 |
| S000/4000 Floduct Families | 4 inch Filter Kit P/N 29540494 | 4 inch Filter Kit P/N 29548988 |
| E ^V 40/50 | Filter Kit P/N 29541508 | Filter Kit P/N 29545785 |

NOTE: Extended 3000 and 4000 Product Families transmissions Allison approved TES 295 fluid and filter change intervals are only allowed with Allison high-capacity filters. Filters must be changed at or before recommended intervals.

When replacing gold series filters with high-capacity filters in transmissions containing 100 percent Allison approved TES 295 fluid, it is allowed to follow high-capacity fluid and filter change intervals.

Initial Transmission Filter Change Schedule (Production/ReTran®)

I

1000 and 2000 Product Families Spin-On Control Main Filter 10,000 miles (16 000 km)/400 hours *3000 and 4000 Product Families Transmissions—Main Filter 5000 miles (8000 km)/200 hours *3000 and 4000 Product Families Transmission ReTran®—Main Filter 5000 miles (8000 km)/200 hours E^V 40/50 Spin-On Control Main Filter 5000 miles (8000 km)/200 hours AT Auxiliary Filter 5000 miles (8000 km)/200 hours MT Auxiliary Filter 5000 miles (8000 km)/200 hours HT Main External Filter5000 miles (8000 km)/200 hours

* Not required beginning with S/N 6510670912, 6610205144, 6520067342, 6620002521, and 9320005689, 9370006284, 9420006679, 9470005459

1000, 2000, 3000, 4000 Product Families Hours vs. Miles Chart

Table 1 on page 4 lists the equivalent mileage based on the Allison recommended change intervals for Allison approved TES 295 approved fluids. For example, vocations or vehicles that operate with a high density shift cycle typically reach the 6000/3000 hour change limit **before** the recommended mileage limit.

An example could be a transit bus equipped with a B 500R that operates an average of 7 mph (11 km/h). Recommended fluid/filter change interval for a B 500R equipped with 2 inch control module in a transit vocation using a TES 295 fluid is 150,000 miles/240 000 km/6000 hours or 48 months whichever occurs first. Using Table 1. Hours vs. Miles, a vehicle operating at 7 mph (11 km/h) will travel approximately 42,000 miles (66 000 km) in 6000 hours. If an odometer is used to determine when to change the transmission fluid and filters, this specific vehicle would change the fluid every 42,000 miles (66 000 km) and filters every 21,000 miles (33 000 km).

Estimating average mph can be approximated by dividing total distance traveled in a typical day by the hours elapsed during that total distance. An example would be a vehicle that operates on average 96 miles (155 km) a day over an 8 hour period would average 12 mph (19 km/h).

| 2000 Hour Based Maintenance | | | |
|-----------------------------|------------|---------|------------|
| km/h | km | MPH | miles |
| Average | Equivalent | Average | Equivalent |
| 5 | 10000 | 3 | 6000 |
| 6 | 12000 | 4 | 8000 |
| 8 | 16000 | 5 | 10000 |
| 10 | 20000 | 6 | 12000 |
| 11 | 22000 | 7 | 14000 |
| 13 | 26000 | 8 | 16000 |
| 14 | 28000 | 9 | 18000 |
| 16 | 32000 | 10 | 20000 |
| 18 | 36000 | 11 | 22000 |
| 19 | 38000 | 12 | 24000 |
| 21 | 42000 | 13 | 26000 |
| 23 | 46000 | 14 | 28000 |
| 24 | 48000 | 15 | 30000 |
| 26 | 52000 | 16 | 32000 |
| 27 | 54000 | 17 | 34000 |
| 29 | 58000 | 18 | 36000 |
| 31 | 62000 | 19 | 38000 |
| 32 | 64000 | 20 | 40000 |
| 34 | 68000 | 21 | 42000 |
| 35 | 70000 | 22 | 44000 |
| 37 | 74000 | 23 | 46000 |
| 39 | 78000 | 24 | 48000 |
| 40 | 80000 | 25 | 50000 |

| Table | 1. Hours | vs. Miles |
|-------|----------|-----------|
|-------|----------|-----------|

| 4000 Hour Based Maintenance | | | |
|-----------------------------|------------------|----------------|---------------------|
| km/h Average | km Equivalent | MPH Average | miles Equivalent |
| 5 | 20000 | 3 | 12000 |
| 6 | 24000 | 4 | 16000 |
| 8 | 32000 | 5 | 20000 |
| 10 | 40000 | 6 | 24000 |
| 11 | 44000 | 7 | 28000 |
| 13 | 52000 | 8 | 32000 |
| 14 | 56000 | 9 | 36000 |
| 16 | 64000 | 10 | 40000 |
| 18 | 72000 | 11 | 44000 |
| 19 | 76000 | 12 | 48000 |
| 21 | 84000 | 13 | 52000 |
| 23 | 92000 | 14 | 56000 |
| 24 | 96000 | 15 | 60000 |
| 26 | 104000 | 16 | 64000 |
| 27 | 108000 | 17 | 68000 |
| 29 | 116000 | 18 | 72000 |
| 31 | 124000 | 19 | 76000 |
| 32 | 128000 | 20 | 80000 |
| 34 | 136000 | 21 | 84000 |
| 35 | 140000 | 22 | 88000 |
| 37 | 148000 | 23 | 92000 |
| 39 | 156000 | 24 | 96000 |
| 40 | 160000 | 25 | 100000 |

| 3000 Hour Based Maintenance | | | |
|-----------------------------|------------------|----------------|---------------------|
| km/h Average | km Equivalent | MPH Average | miles Equivalent |
| 5 | 15000 | 3 | 9000 |
| 6 | 18000 | 4 | 12000 |
| 8 | 24000 | 5 | 15000 |
| 10 | 30000 | 6 | 18000 |
| 11 | 33000 | 7 | 21000 |
| 13 | 39000 | 8 | 24000 |
| 14 | 42000 | 9 | 27000 |
| 16 | 48000 | 10 | 30000 |
| 18 | 54000 | 11 | 33000 |
| 19 | 57000 | 12 | 36000 |
| 21 | 63000 | 13 | 39000 |
| 23 | 69000 | 14 | 42000 |
| 24 | 72000 | 15 | 45000 |
| 26 | 78000 | 16 | 48000 |
| 27 | 81000 | 17 | 51000 |
| 29 | 87000 | 18 | 54000 |
| 31 | 93000 | 19 | 57000 |
| 32 | 96000 | 20 | 60000 |
| 34 | 102000 | 21 | 63000 |
| 35 | 105000 | 22 | 66000 |
| 37 | 111000 | 23 | 69000 |
| 39 | 117000 | 24 | 72000 |
| 40 | 120000 | 25 | 75000 |

| 6000 Hour Based Maintenance | | | |
|-----------------------------|------------------|----------------|---------------------|
| km/h Average | km Equivalent | MPH Average | miles Equivalent |
| 5 | 30000 | 3 | 18000 |
| 6 | 36000 | 4 | 24000 |
| 8 | 48000 | 5 | 30000 |
| 10 | 60000 | 6 | 36000 |
| 11 | 66000 | 7 | 42000 |
| 13 | 78000 | 8 | 48000 |
| 14 | 84000 | 9 | 54000 |
| 16 | 96000 | 10 | 60000 |
| 18 | 108000 | 11 | 66000 |
| 19 | 114000 | 12 | 72000 |
| 21 | 126000 | 13 | 78000 |
| 23 | 138000 | 14 | 84000 |
| 24 | 144000 | 15 | 90000 |
| 26 | 156000 | 16 | 96000 |
| 27 | 162000 | 17 | 102000 |
| 29 | 174000 | 18 | 108000 |
| 31 | 186000 | 19 | 114000 |
| 32 | 192000 | 20 | 120000 |
| 34 | 204000 | 21 | 126000 |
| 35 | 210000 | 22 | 132000 |
| 37 | 222000 | 23 | 138000 |
| 39 | 234000 | 24 | 144000 |
| 40 | 240000 | 25 | 150000 |

1000 and 2000 Product Families Transmissions

Recommended Fluid and Filter Change Intervals



NOTE: Change fluid/filters at or before recommended mileage, months, or hours have elapsed, whichever occurs first. NOTE: Local conditions, severity of operation or duty cycle may require more or less frequent fluid change intervals that differ from the published recommended fluid change intervals of Allison Transmission. Allison Transmission recommends that customers use fluid analysis as the primary method for determining fluid change intervals. In the absence of a fluid analysis program the fluid change intervals listed in the charts above should be used.

 Anything other than 100 percent concentration of Allison Approved TES 295 fluid is considered a mixture and should utilize non-TES 295 change intervals.

** General Vocation: All other vocations.

*** Severe Vocation: 2000 MH, On/Off Highway, Refuse, City Transit, and Shuttle Transit.

++ Fluid fill capacity is dependent on vehicle configuration. Final fluid capacity must be determined by dipstick level (see Mechanic's Tips MT3190EN Section 1 or your Operator's Manual under "Care and Maintenance").

| Capacities ⁺⁺ (Approximate) | | | | | |
|---|---|-----------|--------|---------|--|
| Transmissions Control Main (| Transmissions Fluid Loss—Filter Change Only: Control Main (spin-on) = 1 pint (0.47 liters) | | | | |
| | Initia | I Fill*** | Ret | fill*** | |
| Sump | Liters | Quarts | Liters | Quarts | |
| Standard | 14 | 14.8 | 10 | 10.6 | |
| Shallow | 12 | 12.7 | 7 7.4 | | |
| *** Approximate quantities, do not include external lines, cooler, and hoses. | | | | | |
| Filters | | | | | |
| Control Main P/N 29539579 Shallow Pan Suction (Overhaul Only) P/N 29537965 | | | | | |
| Deep Pan Suction (Overhaul Only) P/N 29537966 | | | | | |

This schedule to be used with Prognostics "ON" in MY09 TCM calibrations and later with OEM equipped vehicles only.



- * NOTE: If prognostics is turned "OFF" or Not Calibrated in TCM, utilization of fluid change intervals found on previous page of this document is required.
- ** Less than 100 percent concentration of TES 295 Allison Approved fluids is considered a mixture and shall not be used with Prognostics or this change schedule. Utilization of non-TES 295 fluid change intervals found on previous pages of this document is required.
- ++ Fluid fill capacity is dependent on vehicle configuration. Final fluid capacity must be determined by dipstick level (see Mechanic's Tips MT3004EN Section 1 or your Operator's Manual under "Care and Maintenance").

| Capacities ⁺⁺ (Approximate) | | | | | | |
|---|---|-----------------|-----------|---------|--|--|
| Transmissions | s Fluid Loss | -Filter Cha | nge Only: | | | |
| Control Main (| spin-on) = | 1 pint (0.47 li | iters) | | | |
| | Initia | d Fill*** | Re | fill*** | | |
| Sump | Liters | Quarts | Liters | Quarts | | |
| Standard | 14 | 14.8 | 10 | 10.6 | | |
| Shallow | 12 | 12.7 | 7 7.4 | | | |
| *** Approximate qu | ⁺⁺⁺ Approximate quantities, do not include external lines, cooler, and hoses. | | | | | |
| | Filters | | | | | |
| Control Mair Shallow Pan Deep Pan Su | Control MainP/N 29539579Shallow Pan Suction (Overhaul Only)P/N 29537965Deep Pan Suction (Overhaul Only)P/N 29537966 | | | | | |

Use This Chart for Transmission Serial Numbers Prior to 6510670912, 6610205144, 6520067342, and 6620002521

3000 and 4000 Product Families Transmissions

Recommended Fluid and Filter Change Intervals



NOTE: Change fluid/filters at or before recommended mileage, months, or hours have elapsed, whichever occurs first.

NOTE: Local conditions, severity of operation or duty cycle may require more or less frequent fluid change intervals that differ from the published recommended fluid change intervals of Allison Transmission. Allison Transmission recommends that customers use fluid analysis as the primary method for determining fluid change intervals. In the absence of a fluid analysis program the fluid change intervals listed in the charts above should be used.

- * Less than 100 percent concentration Allison Approved TES 295 fluid is considered a mixture and should utilize non-TES 295 change intervals.
- ** General Vocation: Intercity Coach with duty cycle less than or equal to one (1) stop per mile and all other vocations not listed in severe vocation.
- *** Severe Vocation: All Retarders, On/Off Highway, Refuse, Transit, and Intercity Coach with duty cycle greater than one (1) stop per mile.
- †† Fluid fill capacity is dependent on vehicle configuration. Final fluid capacity must be determined by dipstick level (see Mechanic's Tips MT3004EN Section 1 or your Operator's Manual under "Care and Maintenance").

| Filter and Gasket Kits | | |
|--|--|--|
| Initial 5000 mile (8000 km) Gold Series Kit | Gold Series Filter Kit | |
| 2 inch kit P/N 29540495 4 inch kit P/N 29540496 | 2 inch Filter Kit P/N 29540493 4 inch Filter Kit P/N 29540494 | |

| Additional Fill for Allison Coolers/Accumulators | | | |
|--|---------------------------|--------|--------|
| Model | Cooler Type | Liters | Quarts |
| 3000/4000 | Non-Retarder Direct Mount | 1.0 | 1.1 |
| 3000/4000 | Remote/Retarder/Sump | 2.5 | 2.6 |
| 3000 | Retarder Accumulator | 1.2 | 1.3 |
| 4000 | Direct Mount/ Retarder | 2.1 | 2.2 |
| 4000 | Retarder Accumulator | 0.6 | 0.6 |

| 3000 ai | nd 4000 C | apaci | ties†† | (Appro | oximate) | |
|---|---|--------|--------|--------|----------|--|
| Transmissions Fluid Loss —Filter Change Only: Main Filter = 2 quarts (1.9 liters) Lube Filter = 8 quarts (7.6 liters) | | | | | | |
| | Initial Fill ^{†††} Refill ^{†††} | | | | | |
| Model | Sump | Liters | Quarts | Liters | Quarts | |
| 3000 | 4 inch | 27 | 29 | 18 | 19 | |
| 3000 | 3000 2 inch 25 26 16 17 | | | | | |
| 4000 | 4 inch++ | 45 | 48 | 37 | 39 | |
| 4000 2 inch ⁺⁺ 38 40 30 31 | | | | | | |
| ++ Add 2.8 Liters (3 Quarts) for Transmissions with PTO +++ Approximate quantities, do not include external lines, cooler, and hoses. | | | | | | |

Use This Chart for Transmission Serial Numbers Starting with 6510670912, 6610205144, 6520067342, and 6620002521

3000 and 4000 Product Families Transmissions

Recommended Fluid and Filter Change Intervals



NOTE: Change fluid/filters at or before recommended mileage, months, or hours have elapsed, whichever occurs first.

NOTE: Local conditions, severity of operation or duty cycle may require more or less frequent fluid change intervals that differ from the published recommended fluid change intervals of Allison Transmission. Allison Transmission recommends that customers use fluid analysis as the primary method for determining fluid change intervals. In the absence of a fluid analysis program the fluid change intervals listed in the charts above should be used.

Quarts

- Less than 100 percent concentration Allison Approved TES 295 fluid is considered a mixture and should utilize non-TES 295 change intervals.
- ** General Vocation: Intercity Coach with duty cycle less than or equal to one (1) stop per mile and all other vocations not listed in severe vocation.
- *** Severe Vocation: All Retarders, On/Off Highway, Refuse, Transit, and Intercity Coach with duty cycle greater than one (1) stop per mile.
- tt Fluid fill capacity is dependent on vehicle configuration. Final fluid capacity must be determined by dipstick level (see Mechanic's Tips MT3004EN Section 1 or your Operator's Manual under "Care and Maintenance").

| | Additional Fill for Allison Coolers/A | | | | |
|---|---------------------------------------|-----------|---------------------------|--------|--------|
| | 1 | Model | Cooler Type | Liters | Quarts |
| s | | 3000/4000 | Non-Retarder Direct Mount | 1.0 | 1.1 |
| | | 3000/4000 | Remote/Retarder/Sump | 2.5 | 2.6 |
| | | 3000 | Retarder Accumulator | 1.2 | 1.3 |
| | | 4000 | Direct Mount/ Retarder | 2.1 | 2.2 |
| | | 4000 | Retarder Accumulator | 0.6 | 0.6 |
| Î | | | | | |

| 3000 and 4000 Capacities ††(Approximate) | | | | | | | | |
|--|----------|--------|--------|--------|--------|--|--|--|
| Transmissions Fluid Loss — Filter Change Only: Main Filter = 2 quarts (1.9 liters) Lube Filter = 8 quarts (7.6 liters) | | | | | | | | |
| Initial Fill ^{†††} Refill ^{†††} | | | | | | | | |
| Model | Sump | Liters | Quarts | Liters | Quarts | | | |
| 3000 | 4 inch | 27 | 29 | 18 | 19 | | | |
| 3000 | 2 inch | 25 | 26 | 16 | 17 | | | |
| 4000 | 4 inch++ | 45 | 48 | 37 | 39 | | | |
| 4000 2 inch ⁺⁺ 38 40 30 31 | | | | | | | | |
| ++ Add 2.8 Liters (3 Quarts) for Transmissions with PTO | | | | | | | | |

This schedule to be used with Prognostics "ON" beginning with eligible S/Ns 6510822005, 6520099957, 6610257671, 6620007438



- * NOTE: If prognostics is turned "OFF" or Not Calibrated in TCM after serial numbers listed above, utilization of fluid and filter change intervals found on previous page (page 9) of this document is required.
- ** Less than 100 percent concentration of TES 295 Allison Approved fluids is considered a mixture and shall not be used with Prognostics or this change schedule. Utilization of non-TES 295 fluid change intervals found on previous pages of this document is required.
- ++ Fluid fill capacity is dependent on vehicle configuration. Final fluid capacity must be determined by dipstick level (see Mechanic's Tips MT3004EN Section 1 or your Operator's Manual under "Care and Maintenance").

| Filter and Gasket Kits |
|--|
| High-Capacity Filter Kit |
| 2 inch Filter Kit P/N 29548987 4 inch Filter Kit P/N 29548988 |

| Additional Fill for Allison Coolers/Accumulators | | | | | | | | |
|--|---------------------------|--------|--------|--|--|--|--|--|
| Model | Cooler Type | Liters | Quarts | | | | | |
| 3000/4000 | Non-Retarder Direct Mount | 1.0 | 1.1 | | | | | |
| 3000/4000 | Remote/Retarder/Sump | 2.5 | 2.6 | | | | | |
| 3000 | Retarder Accumulator | 1.2 | 1.3 | | | | | |
| 4000 | Direct Mount/ Retarder | 2.1 | 2.2 | | | | | |
| 4000 Retarder Accumulator | | 0.6 | 0.6 | | | | | |

| 3000 and 4000 Capacities ⁺⁺ (Approximate) | | | | | | | | |
|---|----------------------|--------|--------|----|----|--|--|--|
| Transmissions Fluid Loss —Filter Change Only: Main Filter = 2 quarts (1.9 liters) Lube Filter = 8 quarts (7.6 liters) | | | | | | | | |
| Initial Fill ⁺⁺⁺ Refill ⁺⁺⁺ | | | | | | | | |
| Model | Sump | Liters | Quarts | | | | | |
| 3000 | 4 inch | 27 | 29 | 18 | 19 | | | |
| 3000 | 2 inch | 25 | 26 | 16 | 17 | | | |
| 4000 | 4 inch ⁺⁺ | 45 | 48 | 37 | 39 | | | |
| 4000 | 2 inch++ | 38 | 40 | 30 | 31 | | | |
| ⁺⁺ Add 2.8 Liters (3 Quarts) for Transmissions with PTO ⁺⁺⁺ Approximate quantities, do not include external lines, cooler, and hoses. | | | | | | | | |



3000/4000 Product Families Filter Location

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Figure 1.

E^v 40/50





NOTES:

- · Change fluid/filters at or before recommended mileage or months have elapsed, whichever occurs first.
- Local conditions, severity of operation or duty cycle may require more or less frequent fluid change intervals that differ from the published recommended fluid change intervals of Allison Transmission. Allison Transmission recommends that customers use fluid analysis as the primary method for determining fluid change intervals. In the absence of a fluid analysis program the fluid change intervals listed in the charts above should be used.
- The following recommendations are based upon the transmission containing 100 percent concentration TranSynd ®.
- E^v40/50 Lube Filter extended time change intervals are only valid with the use of Allison Transmission High-Capacity Filters. High-capacity filters implemented into production starting with S/N 7110001551.
- Fluid Exchange: Fluid exchanging machines are not recommended or recognized due to variation and inconsistencies that may not guarantee removal of 100 percent of the used fluid.

| Capaciti | es †† (Approxi | mate) | | | | | |
|--|--|----------------------|--|--|--|--|--|
| Transmissions Fluid Loss—Filter Change Only: Control Main Filter = 1 quart (0.94 liters) Lube Filter = 3 quarts (2.84 liters | | | | | | | |
| Refill*** | | | | | | | |
| Model | Liters | Quarts | | | | | |
| E ^V 40/50 | 15.1 | 16 | | | | | |
| †† Fluid fill capacity is dependent ††† Approximate quantities, cooler, and hoses. | †† Fluid fill capacity is dependent on vehicle configuration. ††† Approximate quantities, do not include external lines, cooler, and hoses. | | | | | | |
| Filter and | d Gasket Kit | s | | | | | |
| Lube Filter and Gasket Kit Control Main Filter | P/N P/N | 29545785 29539579 | | | | | |

E^v 40/50 System Filter Location



Figure 2.



- + For additional information regarding the polyester internal filter see the latest revision of SIL 9-TR-01.
- ††† DEXRON®-VI shall not be used in Allison 500, 600, or 700 Series transmissions (AT, MT, HT/V/CLT products)

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for additional information.



NOTE: Change fluid/filters at or before recommended mileage, months, or hours have elapsed, whichever occurs first.

NOTE: Local conditions, severity of operation or duty cycle may require more or less frequent fluid change intervals that differ from the published recommended fluid change intervals of Allison Transmission. Allison Transmission recommends that customers use fluid analysis as the primary method for determining fluid change intervals. In the absence of a fluid analysis program the fluid change intervals listed in the charts above should be used.

- * Anything other than 100 percent concentration of Allison Approved TES 295 fluids is considered a mixture and should utilize non-TES 295 change intervals.
- ** General Vocation: less than one stop per mile.
- *** Severe Vocation: more than one stop per mile.
- † When an Allison recommended high-efficiency filter is used, the change interval is not until the Change Filter light indicates the filter is contaminated or until it has been in use for 3 years, which ever occurs first. No mileage restrictions apply. High efficiency filters are only approved for use with AT/MT/HT Series.
- †† Fluid fill capacity is dependent on vehicle configuration. Final fluid capacity must be determined by dipstick level (see Mechanic's Tips MT1357EN Section 1 or your Operator's Manual under "Care and Maintenance").
- ††† DEXRON®-VI shall not be used in Allison 500, 600, or 700 Series transmissions (AT, MT, HT/V/CLT products)

| Capacities ^{††} (A | pproxima | ate) | | | | | |
|---|------------------------|------------|--|--|--|--|--|
| | Initia | al Fill*** | | | | | |
| Pan Depth | Quarts | Liters | | | | | |
| 4.3 inch (110 mm) oil pan | 12 | 11 | | | | | |
| 5.1 inch (130 mm) oil pan | 15 | 14 | | | | | |
| Approximate quantities, external lines and cooler | do not incluc hose. | de | | | | | |
| Filter and Gasket Kits | | | | | | | |
| Oil Filter and Gasket Kit 29538489 See the latest revision of SIL 4-TR-01 for additional information. | | | | | | | |



NOTE: Change fluid/filters at or before recommended mileage, months, or hours have elapsed, whichever occurs first. NOTE: Local conditions, severity of operation or duty cycle may require more or less frequent fluid change intervals that differ from the published recommended fluid change intervals of Allison Transmission. Allison Transmission recommends that customers use fluid analysis as the primary method for determining fluid change intervals. In the absence of a fluid analysis program the fluid change intervals listed in the charts above should be used.

- * Anything other than 100 percent concentration of Allison Approved TES 295 fluids is considered a mixture and should utilize non-TES 295 change intervals.
- ** General Vocation: less than one stop per mile.
- *** Severe Vocation: more than one stop per mile.
- † When an Allison recommended high-efficiency filter is used, the change interval is not until the Change Filter light indicates the filter is contaminated or until it has been in use for 3 years, which ever occurs first. No mileage restrictions apply. High efficiency filters are only approved for use with AT/MT/HT Series.
- †† Fluid fill capacity is dependent on vehicle configuration. Final fluid capacity must be determined by dipstick level (see Mechanic's Tips MT1366EN (Hydraulic Controls) or MT1958EN (Electronic Controls) Section 1 or your Operator's Manual under "Care and maintenance").
- ††† DEXRON®-VI shall not be used in Allison 500, 600, or 700 Series transmissions (AT, MT, HT/V/CLT products)

| Capacities ^{††} (Approximate) | | | | | | |
|--|--------------------------|---------|--|--|--|--|
| | Ref | ïII††† | | | | |
| Pan Depth | Quarts | Liters | | | | |
| 4.5 inch (114 mm) oil pan | 34 | 32 | | | | |
| 6 inch (152 mm) oil pan | 30 | 28.5 | | | | |
| 7 inch (178 mm) oil pan | 33 | 31 | | | | |
| 8.5 inch (216 mm) oil pan | 42.8 | 40.5 | | | | |
| ⁺⁺⁺ Approximate quantities, do not include external lines and cooler hose. | | | | | | |
| Filter and Ga | sket Ki | ts | | | | |
| 4.5 inch (114 mm) Oil Pan F 4.5 inch (114 mm) Oil Pan F | ilter Kit 2 ilter Kit | 9530562 | | | | |

| 4.5 inch (114 mm) Oil Pan Filter Kit | |
|--|----------|
| with adapter 23016883 and pan | |
| 23016884 uses filter kit | 29530563 |
| 6 inch (152 mm) Oil Pan Filter Kit | 6839945 |
| 7 inch (178 mm) Oil Pan Filter Kit | 29530564 |
| 8.5 inch (216) Hyd Oil Pan Filter Kit | 23012407 |
| 8.5 inch (216) Elec Oil Pan Filter Kit | 29530565 |

| | | Fluid | Change Inter | vals | | | |
|---|---|---|---|---|---|---|--|
| Transmission Family | Allison-Approv Flu | ed Non-TES 295 iids | MIL-PF MIL-PR MIL-PR | RF-2104 F-21260 F-46167 | Allison-Approved TES 295 | | |
| | General | Severe | General | Severe | General | Severe | |
| 1000/2000 | 50,000 miles (80 000 km) 2000 hours 24 months | 12,000 miles (20 000 km) 500 hours 6 months | N.A. | N.A. | 150,000 miles (240 000 km) 4000 hours 48 months | 75,000 miles (120 000 km) 3000 hours 36 months | |
| | 10 | 000/2000 Product Families | Scheduled Below for MY09 | 9 Prognostics Turned ON | | | |
| 1000/2000 | N.A. | N.A. | N.A. | N.A. | Change fluid when in or 48 months, whi | ndicated by controller chever occurs first. | |
| | | 300 PRIOR | 00/4000 Product Families | ERS | | | |
| 4000 (with 4 inch Sump) and 3000 | 25,000 miles (40 000 km) 1000 hours 12 months | 12,000 miles (20 000 km) 500 hours 6 months | 25,000 miles (40 000 km) 1000 hours 12 months | 12,000 miles (20 000 km) 500 hours 6 months | 150,000 miles (240 000 km) 4000 hours 48 months | 75,000 miles (120 000 km) 3000 hours 36 months | |
| 4000 (with 2 inch Sump) | 25,000 miles (40 000 km) 1000 hours 12 months | 12,000 miles (20 000 km) 500 hours 6 months | 25,000 miles (40 000 km) 1000 hours 12 months | 12,000 miles (20 000 km) 500 hours 6 months | 150,000 miles (240 000 km) 4000 hours 48 months | 50,000 miles (80 000 km) 2000 hours 24 months | |
| | HIGH CAPACITY | 300 FILTERS, AND WHEN PF | 0/4000 Product Families * ROGNOSTICS IS TURNED |) "OFF" OR NOT CALIBRA | ATED IN TCM | | |
| 3000/4000 | 25,000 miles (40 000 km) 1000 hours 12 months | 12,000 miles (20 000 km) 500 hours 6 months | 25,000 miles (40 000 km) 1000 hours 12 months | 12,000 miles (20 000 km) 500 hours 6 months | 300,000 miles (480 000 km) 6000 hours 48 months | 150,000 miles (240 000 km) 6000 hours 48 months | |
| NOTE: IF PROGNOSTICS IS | S TURNED "OFF" OR NO | 3000/4000 Produ T CALIBRATED IN TCM, U | ct Families ** — PROGNO JTILIZATION OF HIGH CA | OSTICS "ON" APACITY FILTER AND FLU | JID CHANGE INTERVALS | MUST BE FOLLOWED. | |
| 3000/4000 | N.A. | N.A. | N.A. | N.A. | Change fluid when ind or 60 months, whi Also change f (High-capacity filters and | dicated by Prognostics chever comes first. ilters with fluid. d Prognostics turned ON) | |
| E | E ^P 40/50 SERIES — USE F | OR ALL TRANSMISSION | SERIAL NUMBERS*** | | TranSynd® requ | iired for E ^v 40/50 | |
| E ^P 40/50**** (Fluid change interval not affected by high-capacity filters) | N.A. | N.A. | N.A. | N.A. | 100,000 miles (160 000 km) 48 months | 100,000 miles (160 000 km) 48 months | |
| * High-capacity filters releas ** Prognostics released on *** TranSynd® is the only a NOTE: Change fluid/filters at NOTE: Local conditions, sev intervals of Allison Tra the absence of a fluid | ed in models starting with models starting with S/N pproved fluid for E ^P 40/50 to r before recommended erity of operation or duty ansmission. Allison Trans analysis program, the flu | h S/N 6510670912, 65200 6510822005, 6520099957 products. mileage, months, or hou cycle may require more smission recommends th id change intervals listed | 67342 (3000 Product Fam , (3000 Product Family) a urs have elapsed, whichev or less frequent fluid cha at customers use fluid ar d in the charts above sho | nily) and 6610205144, 662 nd 6610257671, 66200074 ver occurs first. Inge intervals that differ f nalysis as their primary m uld be used. | 00002521 (4000 Product F 438 (4000 Product Family) from the published recom hethod for determining flu | amily) mended fluid change id change intervals. In | |

NOTE: General Vocation: Intercity Coach with duty cycle less than or equal to one (1) stop per mile and all other vocations not listed in severe vocation. NOTE: Severe Vocation: All Retarders, On/Off Highway, Refuse, Transit, Shuttle Transit, 2000 MH, and Intercity Coach with duty cycle greater an one (1) stop per mile.

Filter Change Intervals

| | | All | ison-Approve | ed Non-TES 2 | 295 Fluids | | Allison-Approved TES 295 Fluids | | | | MIL-PRF-2104, 21260, 46167 | | | | | | | |
|---------------------------------------|----------|----------|--|--|---|---|---------------------------------|-------------------------|---|---|---|--|-------------|-----------|--|--|---|--|
| Transmission | Inte | rnal | Lube/A | e/Auxiliary Main | | Lube/Auxiliary Main Internal Lube/Auxiliary Main Main | | Main | | Inte | Internal Lube/ | | uxiliary | Ma | ain | | | |
| Family | General | Severe | General | Severe | General | Severe | General | Severe | General | Severe | General | Severe | General | Severe | General | Severe | General | Severe |
| 1000 and 2000 | Overhaul | Overhaul | 50,000 miles (80 000 km) 2000 hours 24 months | 12,000 miles (20 000 km) 500 hours 6 months | Control Main Spin tial 10,000 mile 50,000 miles (80 000 km) 2000 hours 24 months | on Filter Only/Ini- es (16 000 km) 12,000 miles (20 000 km) 500 hours 6 months | Overhaul | Overhaul | 50,000 miles (80 000 km) 2000 hours 24 months | 50,000 miles (80 000 km) 2000 hours 24 months | Control Main Spin- tial 10,000 miles 50,000 miles (80 000 km) 2000 hours 24 months | on Filter Only/Ini- s (16 000 km) 50,000 miles (80 000 km) 2000 hours 24 months | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| | | | * ^ | lote: If Prog | 100 nostics is tu | 0/2000 Prod Irned OFF d | duct fami or not cal | ly schedu ibrated in | le below for TCM, utiliz | r MY09 - Pro ation of filte | ognostics tur r change inte | ned ON. ervals abov | e must b | e followe | d. | | | |
| 1000 and 2000 | N.A. | N.A. | N.A. | N.A. | Control Main Spin tial 10,000 mile | -on Filter Only/Ini- es (16 000 km) | Overhaul | Overhaul | Change filters w controller or 48 ever occ | hen indicated by months, which- curs first. | Control Main Spin- tial 10,000 mile: Change filters wh controller or 48 r ever occu | on Filter Only/Ini- s (16 000 km) ien indicated by months, which- urs first. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| | | | | | | 3000/40 | 000 Prod | uct Famil | ies — Prior | to high cap | acity filters 🕈 | • | | | | | | |
| 4000 (with 4 in. Sump) and 3000 | Overhaul | Overhaul | 25,000 miles (40 000 km) 1000 hours 12 months | 12,000 miles (20 000 km) 500 hours 6 months | Main Fil Initial 50 25,000 miles (40 000 km) 1000 hours 12 months | ter Only 00 miles 12,000 miles (20 000 km) 500 hours 6 months | Overhaul | Overhaul | 75,000 miles (120 000 km) 3000 hours 36 months | 75,000 miles (120 000 km) 3000 hours 36 months | Main Filt Initial 500 75,000 miles (120 000 km) 3000 hours 36 months | er Only 00 miles 75,000 miles (120 000 km) 3000 hours 36 months | Overhaul | Overhaul | 25,000 miles (40 000 km) 1000 hours 12 months | 12,000 miles (20 000 km) 500 hours 6 months | Main Fi Initial 50 25,000 miles (40 000 km) 1000 hours 12 months | ter Only 00 miles 12,000 miles (20 000 km) 500 hours 6 months |
| 4000 (with 2 in. Sump) | Overhaul | Overhaul | 25,000 miles (40 000 km) 1000 hours 12 months | 12,000 miles (20 000 km) 500 hours 6 months | Main Fil Initial 50 25,000 miles (40 000 km) 1000 hours 12 months | ter Only 00 miles 12,000 miles (20 000 km) 500 hours 6 months | Overhaul | Overhaul | 50,000 miles (80 000 km) 2000 hours 24 months | 50,000 miles (80 000 km) 2000 hours 24 months | Main Filt Initial 500 50,000 miles (80 000 km) 2000 hours 24 months | er Only 00 miles 50,000 miles (80 000 km) 2000 hours 24 months | Overhaul | Overhaul | 25,000 miles (40 000 km) 1000 hours 12 months | 12,000 miles (20 000 km) 500 hours 6 months | Main Fi Initial 50 25,000 miles (40 000 km) 1000 hours 12 months | ter Only 00 miles 12,000 miles (20 000 km) 500 hours 6 months |
| | | | | 3000/4000 | Product Fan | nilies * — H | igh-capa | citv filters | and when | prognostics | s is turned OI | FF or not c | alibrated | in TCM. | | | | |
| 3000 and 4000 | Overhaul | Overhaul | 25,000 miles (40 000 km) 1000 hours 12 months | 12,000 miles (20 000 km) 500 hours 6 months | 25,000 miles (40 000 km) 1000 hours 12 months | 12,000 miles (20 000 km) 500 hours 6 months | Overhaul | Overhaul | 75,000 miles (120 000 km) 3000 hours 36 months | 75,000 miles (120 000 km) 3000 hours 36 months | 75,000 miles (120 000 km) 3000 hours 36 months | 75,000 miles (120 000 km) 3000 hours 36 months | Overhaul | Overhaul | 25,000 miles (40 000 km) 1000 hours 12 months | 12,000 miles (20 000 km) 500 hours 6 months | 25,000 miles (40 000 km) 1000 hours 12 months | 12,000 miles (20 000 km) 500 hours 6 months |
| 3000/4 | 000 Prod | uct Fami | lies ** - Pro | gnostics O | N — Note: It | f Prognostic | s is turne | ed OFF o | r not calibra | ted in TCM, | utilization of | f high-capa | city filter | and fluid | change inte | ervals must | be followed | d. |
| 3000 and 4000 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | Overhaul | Overhaul | Change filters v or | vhen indicated by 60 months, whi | y controller betwee chever occurs firs | en fluid change t. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| | | | | * Use f | or transmiss | ion serial n | umbers p | rior to 71 | 10001551 - | E ^P 40/50 S | eries - (Prior | to High-ca | pacity filt | ers) | | | | |
| E ^P 40/50*** | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | Overhaul | Overhaul | 50,000 miles (80 000 km) 2000 hours 24 months | 50,000 miles (80 000 km) 2000 hours 24 months | Control Main S Initial 5,00 50,000 miles (80 000 km) 2000 hours 24 months | 5pin-on Filter/ 00 miles 50,000 miles (80 000 km) 2000 hours 24 months | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| | | | | * Use | for transmis | sion serial | numbers | starting v | vith 711000 | 1551 - E ^P 4 | 0/50 Series - | (High-capa | acity filte | rs) | | | | |
| E ^P 40/50*** | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | Overhaul | Overhaul | 100,000 miles (160 000 km) 48 months | 100,000 miles (160 000 km) 48 months | Control Main S Initial 5,00 50,000 miles (80 000 km) 24 months | Spin-on Filter/ 00 miles 50,000 miles (80 000 km) 24 months | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |

High Capacity Filters released in models starting with S/N 6510670912, 6520067342 (3000 Product Family) and 6610205144, 66200002521 (4000 Product Family)
 Prognostics released on models starting with S/N 6510822005, 6520099957, (3000 Product Family) and 6610257671, 6620007438 (4000 Product Family)
 TranSynd® is the only approved fluid for E^P 40/50 products.
 NOTE: Change fluid/filters at or before recommended mileage, months, or hours have elapsed, whichever occurs first.
 NOTE: Local conditions, severity of operation or duty cycle may require more or less frequent fluid change intervals that differ from the published recommended fluid change intervals of Allison Transmission. Allison Transmission recommends that customers use fluid analysis as their primary method for determining fluid/change intervals. In the absence of a fluid analysis program, the fluid change intervals listed in the charts above should be used.
 NOTE: Severe Vocation: Intercity Coach with duty cycle less than or equal to one (1) stop per mile and all other vocations not listed in severe vocation.
 NOTE: Severe Vocation: All Retarders, On/Off Highway, Refuse, Transit, Shuttle Transit, 2000 MH, and Intercity Coach with duty cycle greater an one (1) stop per mile and all other vocations not listed per work of the store store in transmissions containing 100 percent Allison-Approved TES 295 fluid, it is allowed to follow high-capacity fluid and filter change intervals.

| Transmission Family | Allison A Non-TES 2 | pproved 95 Fluids* | MIL-PF MIL-PR MIL-PR | RF-2104 F-21260 F-46167 | Allison Approved TES 295 | | | |
|----------------------|------------------------|-----------------------|----------------------------|-------------------------------|-----------------------------|-----------------------|--|--|
| | General | Severe | General | Severe | General | Severe | | |
| | 25,000 miles | 12,000 mi l es | 25,000 miles | 12,000 miles | 100,000 mi l es | 50,000 miles | | |
| AT 500 / MT 600 | (40 000 km) | (20 000 km) | (40 000 km) | (20 000 km) | (160 000 km) | (80 000 km) | | |
| | 1000 hours | 500 hours | 1000 hours | 500 hours | 4000 hours | 2000 hours | | |
| | 12 months | 6 months | 12 months | 6 months | 48 months | 24 months | | |
| | 25,000 miles | 12,000 miles | 25,000 miles | 12,000 miles | 100,000 mi l es | 50,000 mi l es | | |
| HT / CLT 700 / V 700 | (40 000 km) | (20 000 km) | (40 000 km) | (20 000 km) | (160 000 km) | (80 000 km) | | |
| | 1000 hours | 500 hours | 1000 hours | 500 hours | 4000 hours | 2000 hours | | |
| | 12 months | 6 months | 12 months | 6 months | 48 months | 24 months | | |

Fluid Change Intervals for Allison Legacy Products

Filter Change Intervals for Allison Legacy Products

| | Allison Approved Non-TES 295 Fluids* | | | | | | Allison Approved TES 295 Fluids* | | | | | | MIL- PRF- 2104,21260,46167 | | | | | |
|------------------------|--------------------------------------|--------------|------------------|----------------|-----------------------|--------------|----------------------------------|--------------|------------------|----------------|-----------------------|--------------|----------------------------|--------------|------------------|----------------|-----------------------|--------------|
| Transmission Family | Internal | | Lube / Auxiliary | | Main | | Internal | | Lube / Auxiliary | | Main | | Internal | | Lube / Auxiliary | | Main | |
| | General | Severe | General | Severe | General | Severe | General | Severe | General | Severe | General | Severe | General | Severe | General | Severe | General | Severe |
| | Polyester* | | | | | | Polyester* | | | | | | Polyester* | | | | | |
| | Overhaul | Overhaul | | | | | Overhaul | Overhau | | | | | Overhaul | Overhau | | | | |
| | Wire Mesh | | | | | | Wire Mesh | | | | | | Wire Mesh | | | | | |
| AT 🎹 | 25,000 miles | 12,000 miles | 25,000 miles** | 12,000 miles** | | | 100,000 miles | 50,000 miles | 50,000 miles** | 25,000 miles** | | | 25,000 mi l es | 12,000 miles | 25,000 miles** | 12,000 miles** | | |
| | (40 000 km) | (20 000 km) | (40 000 km) | (20 000 km) | N.A. | N.A. | (160 000 km) | (80 000 km) | (80 000 km) | (40 000 km) | N.A. | N.A. | (40 000 km) | (20 000 km) | (40 000 km) | (20 000 km) | N.A. | N.A. |
| | 1000 hours | 500 hours | 1000 hours | 500 hours | | | 4000 hours | 2000 hours | 2000 hours | 1000 hours | | | 1000 hours | 500 hours | 1000 hours | 500 hours | | |
| | 12 months | 6 months | 12 months | 6 months | | | 48 months | 24 months | 24 months | 12 months | | | 12 months | 6 months | 12 months | 6 months | | |
| | | | 25,000 miles** | 12,000 miles** | | | | | 50,000 miles** | 25,000 miles** | | | | | 25,000 miles** | 12,000 miles** | | |
| мт *** | Overhaul | Overhaul | (40 000 km) | (20 000 km) | N.A. | N.A. | Overhaul | Overhaul | (80 000 km) | (40 000 km) | N.A. | N.A. | Overhaul | Overhau | (40 000 km) | (20 000 km) | N.A. | N.A. |
| | | | 1000 hours | 500 hours | | | | | 2000 hours | 1000 hours | | | | | 1000 hours | 500 hours | | |
| | | | 12 months | 6 months | | | | | 24 months | 12 months | | | | | 12 months | 6 months | | |
| | | | 25,000 miles** | 12,000 miles** | 25,000 mi l es | 12,000 miles | | | 50,000 miles** | 25,000 miles** | 50,000 mi l es | 25,000 miles | | | 25,000 miles** | 12,000 miles** | 25,000 mi l es | 12,000 miles |
| HT/CLT 700/ | Overhau | Overhau | (40 000 km) | (20 000 km) | (40 000 km) | (20 000 km) | Overhau | Overhau | (80 000 km) | (40 000 km) | (80 000 km) | (40 000 km) | Overhau | Overhau | (40 000 km) | (20 000 km) | (40 000 km) | (20 000 km) |
| V700*** | | | 1000 hours | 500 hours | 1000 hours | 500 hours | | | 1000 hours | 500 hours | 1000 hours | 500 hours | | | 1000 hours | 500 hours | 1000 hours | 500 hours |
| | | | 12 months | 6 months | 12 months | 6 months | | | 12 months | 6 months | 12 months | 6 months | | | 12 months | 6 months | 12 months | 6 months |

NOTE: Change fluid/filters at or before recommended mileage, months, or hours have elapsed, whichever occurs first.

NOTE: Local conditions, severity of operation or duty cycle may require more or less frequent fluid change intervals that differ from the published recommended fluid change intervals of Allison Transmission. Allison Transmission recommends that customers use fluid analysis as the primary method for determining fluid change intervals. In the absence of a fluid analysis program the fluid change intervals listed in the charts above should be used.

NOTE: General Vocation: Intercity Coach with duty cycle less than or equal to one (1) stop per mile and all other vocations not listed in severe vocation.

NOTE: Severe Vocation: All Retarders, On/Off Highway, Refuse, Transit, Shuttle Transit, 2000 MH, and Intercity Coach with duty cycle greater than one (1) stop per mile.

** When an Allison recommended high-efficiency filter is used, the change interval is not until the Change Filter light indicates the filter is contaminated or until it has been in use for 3 years, which ever occurs first. No mileage restrictions apply. High efficiency filters are only approved for use with AT/MT/HT Series.

* For additional information regarding the polyester internal filter see the latest revision of SIL 9-TR-01.

tit DEXRON®-VI shall not be used in Allison 500, 600, or 700 Series transmissions (AT, MT, HT/V/CLT products).