



GROUP	MODEL
TRA	All Models Listed 2005-2025MY
NUMBER	DATE
046 (Rev 5, 4/17/2025)	December 2012

TECHNICAL SERVICE BULLETIN

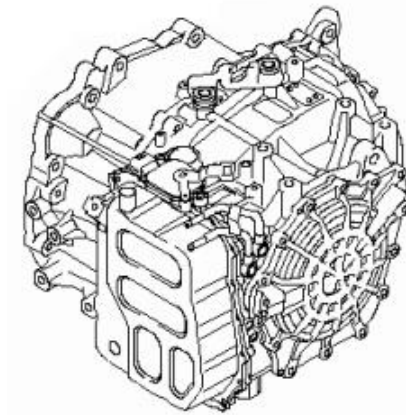
SUBJECT:

TRANSMISSION FLUID APPLICATION GUIDE

NOTICE

This bulletin has been revised to include additional information. New/revised sections of this bulletin are indicated by a black bar in the margin area.

This bulletin provides information relating to the correct transmission fluid type and fill quantity requirement for each Kia model. A flush is required ONLY when a transmission is replaced, and the transmission oil cooler is transferred to the new transmission. Refer to applicable vehicles in the chart starting on page 2. Refer to the shop manual on KGIS for the specific Kia model for the correct transmission fluid check/fill procedures.



NOTICE

Transmission fluids cannot be ordered via DCS. Ordering information can be found, online, at [Kia Chemicals](#) website.

CAUTION

Use of the incorrect fluid can result in damage to the transmission. Damage resulting from improper repair **is not covered under warranty** and may result in claim rejection or chargeback.

A printed copy is for reference only; publication information can be updated at any time. Always refer to KGIS for the latest information. After logging in [kdealer.com](#), the newest technical publications are listed in 'Service Releases' and has the latest service information that has been released.

SUBJECT:

TRANSMISSION FLUID APPLICATION GUIDE

Model	Transmission Fluid Type	Part Number	Flush Required	Fill Capacity (Qts.)	Max Approved Order Qty
14-16MY Cadenza (VG)	Kia ATF SP-IV	UM013 CH059	Yes	8.3	9
17-20MY Cadenza (YG)	Kia ATF SP-IV	UM013 CH059	Yes	7.4	8
22-25MY Carnival (KA4) 3.5L	Kia ATF SP4M-1	UM022 CH269	Yes	7.4	8
25MY Carnival HEV (KA4 PE HEV) 1.6L T-GDI			No	6.34	7
22-24MY EV6 (CV)	Kia ATF SP4M-1	UM022 CH269	Yes	3.5 (Front)	4
				3.7 (Rear)	4
24-25MY EV9 (MV)	Kia ATF SP4M-1	UM022 CH269	Yes	3.5 (Front)	4
				4.4 (Rear)	5
10MY Forte (TD) 2.0L DOHC / 4-Speed	Kia ATF SP-III	UM010 CH002	Yes	6.9	7
10MY Forte (TD) 2.4L DOHC / 5-Speed	Kia ATF SP-III	UM010 CH002	Yes	8.0	8
10MY Forte (TD) 2.0L M/T	SAE 75W/85 API GL-4 TGO-7(MS517-14)	UM090 CH036	No	2.0	2
10MY Forte (TD) 2.4L M/T	SAE 75W/85 API GL-4 TGO-7(MS517-14)	UM090 CH036	No	1.9	2
11-13MY Forte (TD)	Kia ATF SP-IV	UM013 CH059	Yes	7.5	8
11-13MY Forte (TD) 2.0L M/T	SAE 75W/85 API GL-4 TGO-7(MS517-14)	UM090 CH036	No	2.0	2
11-13MY Forte (TD) 2.4L M/T	SAE 75W/85 API GL-4 TGO-7(MS517-14)	UM090 CH036	No	1.9	2
14-17MY Forte (YD) 1.6L-T GDI, 2.0L GDI, 1.8L MPI	Kia ATF SP-IV	UM013 CH059	Yes	7.5	8
14-15MY Forte (YD) M/T	SAE 75W/85 API GL-4	UM090 CH036	No	2.1	3
16-17MY Forte (YD) M/T	SAE 75W/85 API GL-4	UM090 CH036	No	1.8	2
17-18MY Forte (YDm) 1.6L T-GDI / DCT)	SAE 70W, API GL-4 SK HK SYN DCTF 70W, SHELL SPIRAX S6 GHME 70W DCTF, GS CALTEX GS DCTF HD 70W	UM015 CH080	No	2.1	3
17-18MY Forte (YDm) 1.6L T / 2.0L GDI M/T	SAE 75W/85API GL-4	UM090 CH036	No	1.8	2
17-18MY Forte (YDm) 2.0L GDI A/T	Kia ATF SP-IV	UM013 CH059	Yes	7.5	8

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TSB: TRA046 (Rev 5) All Models Listed, December 2012



SUBJECT:

TRANSMISSION FLUID APPLICATION GUIDE

Model	Transmission Fluid Type	Part Number	Flush Required	Fill Capacity (Qts.)	Max Approved Qty. (Qts)
19-24MY Forte (BDm) IVT	Kia SP-CVT1	UM018 CH130	No	7.1	8
19-21MY Forte (BDm) M/T	API GL-4, SAE 70W-SK, SK: HK SYN MTF 70W, SHELL SPIRAX S6 GHME 70W DCTF, GS CALTEX GS DCTF HD 70W	UM015 CH080	No	1.6	2
22-24MY Forte (BDm) M/T	API GL-4, SAE 70W-SK SK: HK SYN MTF 70W, SHELL SPIRAX S6 GHME 70W DCTF, GS CALTEX GS DCTF HD 70W	UM015 CH080	No	1.8	2
20-21MY Forte (BDm) 1.6L T-GDI / DCT)	SAE 70W, API GL-4 SK HK SYN DCTF 70W, SHELL SPIRAX S6 GHME 70W DCTF, GS CALTEX GS DCTF HD 70W	UM015 CH080	No	1.8	2
22-24MY Forte (BDm) 1.6L T-GDI / DCT)	SAE 70W, API GL-4 SK HK SYN DCTF 70W, SHELL SPIRAX S6 GHME 70 W DCTF, GS CALTEX GS DCTF HD 70W	UM015 CH080	No	2.0	2
21-24MY K5 (DL3a) 1.6L T-GDI A/T	Kia ATF SP4M-1	UM022 CH269	Yes	6.9	7
21-24MY K5 (DL3a) 2.5L T-GDI DCT	WET DCT Hydraulic Oil Control Oil	UM020 CH266	Yes	2.7	3
	WET DCTF 75W Cooling & Lubricating Oil	UM020 CH264		3.6	4
25MY K5 (DL3) 2.5L	Kia ATF SP4M-1	UM022 CH269	Yes	6.9	7
25MY K5 (DL3) 2.5L T-GDI DCT	WET DCT Hydraulic Oil Control Oil	UM020 CH266	Yes	2.7	3
	WET DCTF 75W Cooling & Lubricating Oil	UM020 CH264		3.6	4
14-18MY K900 (KH)	Kia SP-IV-RR ATF	UM014 CH065	No	10.2	11
19-20MY K900 (RJ)	Kia SP-IV-RR ATF	UM014 CH065	Yes	9.8	10
17-22MY Niro P/HEV (DE P/HEV)	SAE 70W, API GL-4	UM015 CH080	No	1.8	2
19-22MY Niro EV (DE EV)	SAE 70W, API GL-4	UM015 CH080	No	1.2	2
23-25MY Niro P/HEV (SG2 P/HEV) 1.6L w/DCT	HK D DCTF TGO-10 PLUS(SK) SPIRAX S6 GHDE 70W DCTF PLUS (H.K SHELL) Kia Genuine DCTF 70W Synthetic Plus	UM020 CH240	No	1.8	2
23-25MY Niro EV (SG2 EV) Reduction Gear	SK ATF SP4M-1, MICHANG ATF SP4M-1, S-OIL ATF SP4M-1, Kia Genuine ATF SP4M-1	UM022 CH269	No	3.0	4



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TRANSMISSION FLUID APPLICATION GUIDE

Model	Transmission Fluid Type	Part Number	Flush Required	Fill Capacity (Qts.)	Max Approved Qty. (Qts)
2006.5-10MY Optima (MG) 2.4L, 2.7L A/T	Kia ATF SP-III	UM010 CH002	Yes	10.1	11
2006.5-10MY Optima (MG) 2.4L, 2.7L M/T	SAE 75/85W, API GL-4	UM090 CH036	No	2.1	3
11-15MY Optima (TF/QF) 2.4L A/T	Kia ATF SP-IV	UM013 CH059	Yes	7.5	8
11-15MY Optima (TF/QF) 2.4L M/T	SAE 75/85W, API GL-4	UM090 CH036	No	1.9	2
11-15MY Optima (TF/QF) 2.0T-GDI	Kia ATF SP-IV	UM013 CH059	Yes	8.3	9
11-16MY Optima (TF-HEV) 2.4L	Kia ATF SP-IV	UM013 CH059	No	6.9	7
16-20MY Optima (JF/JFa) 2.4L GDI A/T	Kia ATF SP-IV	UM013 CH059	Yes	7.5	8
16-20MY Optima (JF/JFa) 2.0L T-GDI A/T			Yes	8.3	9
16-20MY Optima (JF/JFa) 1.6L T-GDI DCT	SAE 70W, API GL-4	UM015 CH080	No	2.2	3
17-20MY Optima Hybrid (JF P/HEV) 2.0L	Kia ATF SP-IV	UM013 CH059	No	6.4	7
06-11MY Rio (JB) A/T	Kia ATF SP-III <i>or</i> SK ATF PS-III	UM010 CH002	Yes	6.5	7
06-11MY Rio (JB) M/T	SAE 75W/85 API GL-4 TGO-7(MS517-14) ZIC G-F TOP 75W/85 HD GEAR OIL XLS 75W/85	UM090 CH036	No	2.0	2
12-17MY Rio (UB) A/T	Kia ATF SP-IV	UM013 CH059	Yes	7.7	8
12-17MY Rio (UB) M/T	SAE 75W/85 API GL-4 TGO-7(MS517-14)	UM090 CH036	No	1.9	2
18MY Rio (SC)	Kia ATF SP-IV	UM013 CH059	Yes	7.7	8
18MY Rio (SC) M/T	SAE 70W, API GL-4 SK HK SYN DCTF 70W, SHELL SPIRAX S6 GHME 70W DCTF, GS CALTEX GS DCTF HD 70W	UM015 CH080	No	1.8	2
19MY Rio (SC) A/T	Kia ATF SP-IV	UM013 CH059	Yes	7.1	8
19MY Rio (SC) M/T	SAE 70W, API GL-4 SK HK SYN DCTF 70W, SHELL SPIRAX S6 GHME 70W DCTF, GS CALTEX GS DCTF HD 70W	UM015 CH080	No	1.7	2
20-23MY Rio (SC) IVT	MICHANG SP-CVT1, Kia SP-CVT1	UM018 CH130	No	6.9	7



SUBJECT:

TRANSMISSION FLUID APPLICATION GUIDE

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20-21MY Rio (SC) M/T	SAE 70W, API GL-4 SK HK SYN DCTF 70W, SHEL L SPIRAX S6 GHME 70W DCT F, GS CALTEX GS DCTF HD 70W	UM015 CH080	No	1.4	2
11-12 and 14MY Sedona (VQ) 6-Speed A/T	Kia ATF SP-IV	UM013 CH059	Yes	8.3	9
15-18MY Sedona (YP)	Kia ATF SP-IV	UM013 CH059	Yes	8.3	9
19-21MY Sedona (YP)	Kia ATF SP-IV	UM013 CH059	Yes	7.4	8
21-25MY Seltos (SP2) IVT	Kia SP-CVT1	UM018 CH130	No	7.0	7
21-23MY Seltos (SP2) DCT	SAE 70W, API GL-4 HK D DCTF TGO-10 (SK) SPIRAX S6 GHDE 70W DCTF (H.K. SHELL), 7 DCTFHKM (S-OIL)	UM015 CH080	No	1.8	2
24-25MY Seltos (SP2) 1.6L T-GDI	Kia ATF SP4M-1	UM022 CH269	Yes	6.9	7
11-15MY Sorento (XM) 2.4L	Kia ATF SP-IV	UM013 CH059	Yes	7.5	8
11-15MY Sorento (XM) 3.3L			Yes	8.3	9
16-18MY Sorento (UMa) 2.0L-T, 3.3L	Kia ATF SP-IV	UM013 CH059	Yes	8.3	9
16-18MY Sorento (UMa) 2.4L GDI			Yes	7.5	8
19-20MY Sorento (UMa) 8-Speed A/T, 3.3L	Kia ATF SP-IV	UM013 CH059	Yes	7.4	8
19-20MY Sorento (UMa) 8-Speed A/T, 2.4L			Yes	7.8	8
21-25MY Sorento (MQ4a) 2.5L T-GDI 8-Speed Wet DCT	Control Oil	UM020 CH266	Yes	2.6	3
	75W Gear Oil	UM020 CH264		3.5	4
21-25MY Sorento (MQ4a) 2.5L GDI 8-Speed A/T	Kia ATF SP4M-1	UM022 CH269	Yes	6.9	7
21-25MY Sorento HEV (MQ4 HEV) 1.6L GDI 6-Speed A/T			No	6.4	7
21-25MY Sorento PHEV (MQ4 PHEV) 1.6L GDI 6-Speed A/T			No	6.4	7
10-11MY Soul (AM) 1.6L A/T	Kia ATF SP-III	UM010 CH002	Yes	7.2	8
10-11MY Soul (AM) 2.0L MPI			Yes	7.0	7



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10-11MY Soul (AM) M/T	SAE 75W/85, API GL-4 TGO-7(MS517-14) ZIC G-F TOP 75W/85 HD GEAR OIL XLS 75W/85	UM015 CH080	No	2.0	2
12-13MY Soul (AM) A/T	Kia ATF SP-IV	UM013 CH059	Yes	7.8	8
12-13MY Soul (AM) 2.0L MPI				7.6	8
12-13MY Soul (AM) M/T	SAE 75W/85 API GL-4	UM090 CH036	No	2.0	2
14-16MY Soul (PS) A/T	Kia ATF SP-IV	UM013 CH059	Yes	7.8	8
14-16MY Soul (PS) M/T	SAE 70W, API GL-4 SK HK SYN DCTF 70W, SHEL L SPIRAX S6 GHME 70W DCT F, GS CALTEX GS DCTF HD 70W	UM015 CH080	No	1.8	2
17-19MY Soul (PS) A/T	Kia ATF SP-IV	UM013 CH059	Yes	7.1	8
17-19MY Soul (PS) M/T / DCT	SAE 70W, API GL-4 SK HK SYN DCTF 70W, SHELL SPIRAX S6 GHME 70W DCTF, GS CALTEX GS DCTF HD 70W	UM015 CH080	No	2.2	3
15-19MY Soul (PS EV)	SAE 70W, API GL-4	UM015 CH080	No	1.4	2
20-25MY Soul (SK3) IVT	Kia SP-CVT1	UM018 CH130	No	7.1	8
20-22MY Soul (SK3) DCT	SAE 70W, API GL-4 HK D DCTF TGO-10 (SK) SPIRAX S6 GHDE 70W DCTF (H.K. SHELL), 7 DCTFHKM (S-OIL)	UM015 CH080	No	2.2	3
05-10MY Sportage (KM)	Kia ATF SP-III	UM010 CH002	Yes	8.3	9
11-16MY Sportage (SL) GDI A/T	Kia ATF SP-IV	UM013 CH059	Yes	7.6	8
11-16MY Sportage (SL) T-GDI A/T	Kia ATF SP-IV	UM013 CH059	Yes	8.3	9
11-16MY Sportage (SL) M/T	SAE 75W/85 API GL-4	UM090 CH036	No	2.0	2
17-22MY Sportage (QL) 2.4L A/T	Kia ATF SP-IV	UM013 CH059	Yes	7.1	8
17-22MY Sportage (QL) 2.0L-T	Kia ATF SP-IV	UM013 CH059	Yes	8.3	9
23-25MY Sportage (NQ5a)	Kia ATF SP4M-1	UM022 CH269	Yes	6.9	7
23-25MY Sportage HEV (NQ5 HEV)	Kia ATF SP4M-1	UM022 CH269	No	6.4	7
23-25MY Sportage PHEV (NQ5 PHEV)	Kia ATF SP4M-1	UM022 CH269	No	6.4	7



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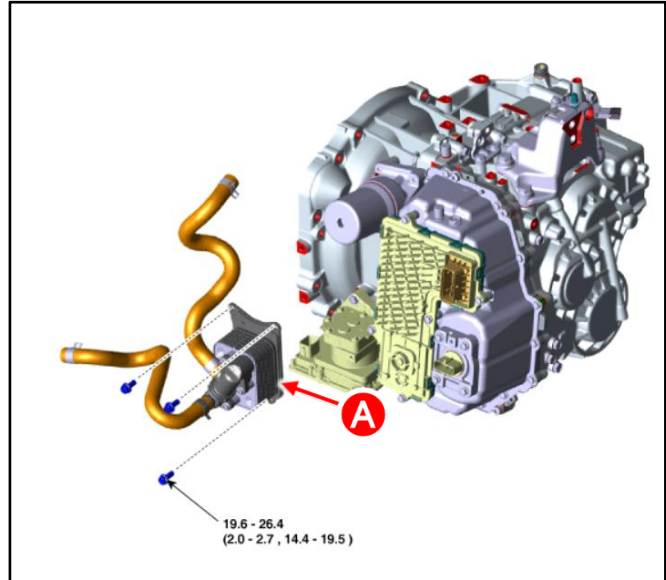
Model	Transmission Fluid Type	Part Number	Flush Required	Fill Capacity (Qts.)	Max Approved Qty. (Qts)
23-25MY Sportage (NQ5)	Kia ATF SP4M-1	UM022 CH269	Yes	6.9	7
18-23MY Stinger (CK)	Kia ATF SP-IV-RR	UM014 CH065	Yes	9.7	10
20-25MY Telluride (ON)	Kia ATF SP4M-1	UM022 CH269	Yes	7.4	8
25MY K4 (CL4) 2.0L NU	Kia SP-CVT1	UM018 CH130	No	6.9	7
25MY K4 (CL4) 1.6L T-GDI	Kia ATF SP4M-1	UM022 CH269	Yes	6.9	7



Flushing Procedure:

Confirm if the replacement transmission has/has not included the Transmission Oil Cooler (A).

- YES - The transmission oil cooler (A) is included with the replacement transmission, then the transmission cooler flush is NOT required.
- NO - The transmission oil cooler (A) is NOT included with the replacement transmission, then transfer the transmission oil cooler (A) from the old transmission to the new one and perform the transmission cooler flush of the oil side.



K5 (DL3a) shown for reference purposes only.

Failure to follow the flushing instructions as outlined in TSB [TRA003](#) may result in severe damage to the replacement transmission.

ⓘ IMPORTANT

PN UM013 CH060 **MUST** be ordered through the [Kia Chemicals](#) website. **DO NOT** use aftermarket transmission cooler flush products.



Transmission Cooler Flush can (PN UM013 CH060)