

## LUBRICATION INSTRUCTIONS

1. Motors without a grease fill (some Hyundai motors 210 frame and below) contain pre-lubricated, double shielded ball bearings which are adequately greased for life at the factory and do not require relubrication.
2. IEEE-841 motors and all other 250 frame and above will have open type or single shielded / sealed ball bearings and come pre-lubricated from the factory. These motors will require re-lubricating per the schedule below.
3. Regreasing of the bearings should be performed while the motor is warm. This will ensure an even dispersion of the grease in the bearing and cavity.
4. Make certain that the grease fill and drain plug are clean and free from dirt.
5. Locate the grease drain plug (on some larger motors the plug may be replaced by a steel tube in order to help evacuate the grease. Remove the plug or cover of the grease evacuating tube.
6. Use MOBIL POLYREX-EM grease or equivalent polyurea based grease with the same thermal and viscosity properties. Failure to maintain grease compatibility will shorten bearing life significantly.
7. Rotate the shaft while inserting new grease (the table below shows the amount of grease to be added). In order to be sure that the proper amount of grease has been added make sure you see old grease discharged from the drain.
8. After regreasing, continue to run the motor for twenty minutes before re-installing the drain plug.
9. The above schedule is based on a severe service where the motor operates for 16 or more hours per day. For standard service, such as eight (8) hours or less per day, add two (2) months for an acceptable interval. Regardless of speed, frame size and service type, all motors using NU roller type bearings on the drive-end require re-lubrication every three (3) months.

HP	RPM	Frame	DE Bearing			ODE Bearing		
			Size	Grease Amount (g)	Regreasing Interval (Months)	Size	Grease Amount (g)	Regreasing Interval (Months)
1	3600	143T	6205ZC3	9	3	6204ZC3	8	3
	1800	143T	6205ZC3	9	6	6204ZC3	8	6
	1200	145T	6205ZC3	9	6	6204ZC3	8	6
1.5	3600	143T	6205ZC3	9	3	6204ZC3	8	3
	1800	145T	6205ZC3	9	6	6204ZC3	8	6
	1200	182T	6206ZC3	10	6	6206ZC3	10	6
2	3600	145T	6205ZC3	9	3	6204ZC3	8	3
	1800	145T	6205ZC3	9	6	6204ZC3	8	6
	1200	184T	6206ZC3	10	6	6206ZC3	10	6
3	3600	182T	6206ZC3	10	3	6206ZC3	10	3
	1800	182T	6206ZC3	10	6	6206ZC3	10	6
	1200	213T	6307ZC3	15	6	6307ZC3	15	6
5	3600	184T	6206ZC3	10	3	6206ZC3	10	3
	1800	184T	6206ZC3	10	6	6206ZC3	10	6
	1200	215T	6307ZC3	15	6	6307ZC3	15	6
7.5	3600	213T	6307ZC3	15	3	6307ZC3	15	3
	1800	213T	6307ZC3	15	6	6307ZC3	15	6
	1200	254T	6309ZC3	20	6	6309ZC3	20	6
10	3600	215T	6307ZC3	15	3	6307ZC3	15	3
	1800	215T	6307ZC3	15	6	6307ZC3	15	6
	1200	256T	6309ZC3	20	6	6309ZC3	20	6
15	3600	254T	6309ZC3	20	3	6309ZC3	20	3
	1800	254T	6309ZC3	20	6	6309ZC3	20	6
	1200	284T	6310ZC3	25	6	6310ZC3	25	6
20	3600	256T	6309ZC3	20	3	6309ZC3	20	3
	1800	256T	6309ZC3	20	6	6309ZC3	20	6
	1200	286T	6310ZC3	25	6	6310ZC3	25	6
25	3600	284TS	6310ZC3	25	3	6310ZC3	25	3
	1800	284T	6310ZC3	25	6	6310ZC3	25	6
	1200	324T	6313ZC3	23	6	6211ZC3	25	6

HP	RPM	Frame	DE Bearing			ODE Bearing		
			Size	Grease Amount (g)	Regreasing Interval (Months)	Size	Grease Amount (g)	Regreasing Interval (Months)
30	3600	286TS	6310ZC3	25	3	6310ZC3	25	3
	1800	286T	6310ZC3	25	6	6310ZC3	25	6
	1200	326T	6313ZC3	23	6	6211ZC3	25	6
40	3600	324TS	6313ZC3	23	3	6211ZC3	25	3
	1800	324T	6313ZC3	23	6	6211ZC3	25	6
	1200	364T	6314C3	26	6	6213C3	14	6
50	3600	326TS	6313ZC3	23	3	6211ZC3	25	3
	1800	326T	6313ZC3	23	6	6211ZC3	25	6
	1200	365T	6314C3	26	6	6213C3	14	6
60	3600	364TS	6213C3	14	3	6213C3	14	3
	1800	364T	6314C3	26	6	6213C3	14	6
	1200	404T	6316C3	33	6	6313C3	23	6
75	3600	365TS	6213C3	14	3	6213C3	14	3
	1800	365T	6314C3	26	6	6213C3	14	6
	1200	405T	6316C3	33	6	6313C3	23	6
100	3600	405TS	6313C3	23	3	6313C3	23	3
	1800	405T	6316C3	33	6	6313C3	23	6
	1200	444T	6318C3	41	6	6316C3	33	6
125	3600	444TS	6314C3	26	3	6314C3	26	3
	1800	444T	6318C3	41	6	6316C3	33	6
	1200	445T	6318C3	41	6	6316C3	33	6
150	3600	445TS	6314C3	26	3	6314C3	26	3
	1800	445T	6318C3	41	6	6316C3	33	6
	1200	447T	6318C3	41	6	6316C3	33	6
200	3600	447TS	6314C3	26	3	6314C3	26	3
	1800	447T	6318C3	41	6	6316C3	33	6
	1200	449T	6318C3	41	6	6316C3	33	6
250	3600	449TS	6314C3	26	3	6314C3	26	3
	1800	449T	6318C3	41	6	6316C3	33	6
	1200	L449T	6322C3	100	4	6318C3	41	6
300	3600	L449TS	6315C3	32	2	6315C3	32	2
	1800	L449T	6322C3	100	4	6318C3	41	6
	1200	L449T	6322C3	100	4	6318C3	41	6
350	3600	L449TS	6315C3	32	2	6315C3	32	2
	1800	L449T	6322C3	100	4	6318C3	41	6
	1200	5008/9	6324C3	130	4	6320C3	41	6
400	3600	L449TS	6315C3	32	2	6315C3	32	2
	1800	L449T	6322C3	100	4	6318C3	41	6
	1200	5010/11	6324C3	130	4	6320C3	41	6
450	3600	5008/9	6315C3	32	2	6315C3	32	2
	1800	5008/9	6324C3	130	4	6320C3	41	6
	1200	5010/11	6324C3	130	4	6320C3	41	6
500	3600	5010/11	6315C3	32	2	6315C3	32	2
	1800	5010/11	6324C3	130	4	6320C3	41	6
600	3600	5812	6316C3	45	2	6316C3	45	2
	1800	5010/11	6324C3	130	4	6320C3	41	6

Should you have questions regarding proper maintenance, please call 1-800-808-2131 for more details.