	ALLISON TRANSMISSION					RIGHT SIDE ONLY (LEFT SIDE TURN PAGE)			Д				
		3000*** SERIES					ALLISON 10-BOLT OPENING						
			/S, RDS, SPS) (MHS, BUS, TRV Optional) MD-3000 Series with PTO Opening Footnotes (1, 2, 4, 5, & 6)				PTO DRIVE GEAR DATA: 68T 10.16P LH LOCATION: FRONT PLW: 1,856 FPM RPM: 1,000						
10-BOLT TYPE	PT MODEL I		FOOT NOTES	SHAFT ROTATION	ENGINE %	STUD KIT	SHIFT TYPE	SHAFT EXTENSION		DUS RATING PM of PTO HP	INTERMITTE @ 1,000 RI TORQUE		
CONST													
CONST. DRIVE MULTI									CONTINUOU		AITTENT RATIN	CS ADE S	
GEAR	A30-A1006 A30-A1007 A30-A1008 A30-A1009 A30-A1010 A30-A1011 A30-A1012	-MX1X4PX -MX1X4PX -MX1X4PX -MX1X4PX -MX1X4PX -MX1X4PX -MX1X4PX -MX1X4PX -MX1X4PX -MX1X4PX	10 10 10 10 10 10 10 10 10	Crnk Crnk Crnk Crnk Crnk Crnk Crnk Crnk	74 85 99 114 122 131 151 162 201	Included Included Included Included Included Included Included Included	None None None None None None None None	See ALLI-5X See ALLI-5X See ALLI-5X See ALLI-5X See ALLI-5X See ALLI-5X See ALLI-5X See ALLI-5X See ALLI-5X	400 400 415 360 340 310 275 265 205	77 77 79 69 65 59 52 50 39	N/A N/A N/A N/A N/A N/A N/A N/A N/A	N// N// N// N// N// N// N// N//	
			10	Onix	201	Included	None	OCC ALLI OX					
CLUTCH SHIFT MULTI GEAR	A20-A1006 A20-A1007 A20-A1008 A20-A1009 A20-A1010 A20-A1011 A20-A1011	-HX1X4PX -HX1X4PX -HX1X4PX -HX1X4PX -HX1X4PX -HX1X4PX	7, 9, 10, 11 7, 9, 10, 11	Crnk Crnk Crnk Crnk Crnk Crnk Crnk Crnk	74 85 99 114 122 131 151 162 201	Included Included Included Included Included Included Included Included	Power Power Power Power Power Power Power Power	See ALLI-5X See ALLI-5X See ALLI-5X See ALLI-5X See ALLI-5X See ALLI-5X See ALLI-5X See ALLI-5X See ALLI-5X	400 400 415 360 340 310 275 265 205	77 77 79 69 65 59 52 50 39	N/A N/A N/A N/A N/A N/A N/A N/A N/A	N// N// N// N// N// N// N//	
CLUTCH SHIFT MULTI GEAR HEAVY DUTY	CS10-A100 CS10-A100 CS10-A100 CS10-A100 CS10-A101 CS10-A101 CS41-A100 CS41-A101	06-H1CX 07-H1CX 08-H1CX 0-H1CX 07-H1CX	7, 9 7, 9 7, 9 7, 9 7, 9 3, 7, 9, 11 3, 7, 9, 11	Crnk Crnk Crnk Crnk Crnk Crnk Crnk	78 88 98 116 129 100 144	Included Included Included Included Included Included	Power Power Power Power Power Power	See ALLI-5X See ALLI-5X See ALLI-5X See ALLI-5X See ALLI-5X None None	350 336 315 294 270 420 336	67 64 61 56 52 80 64	500 480 450 420 385 484 336	9 9 8 7 9 6	
OPTIONAL	CS41-A101 GB1B-205-		3, 7, 9, 11 8	Crnk	163	Included	Power	None	298 140	57 26	298 200	5 37	
REDUCTION GEARBOX	GB1B-205-	-125A	0	Орр	See Footnote 8				140	20	200	37	
ADAPTE	R TO CHANG	EROTATION		No Ada	pter Available				REFER TO	ADAPTER GE	AR ASSEMBLIE	S IN IND	
MODEL BREAK DOWN			PITCH INTERNA	L RATIO	(see pages NS 14, 15, 16, 8	k 17)	-OUTPU	BLY ARRANGEMEN T SHAFT (see pages L OPTIONS ((see pag	,				
	-	A10 10	- HX	1 X4 P	x I	MPORTA	NT: FC	DOTNOTES M	AY AFF	ECT P	FO SELI	ЕСТІ	
may have it is not pc 2 Standard torque to 3 The torqu The CS41 Based on continuou. 4 Connectic 5 INTERNA 6 The 3700 7 Interferen code (A2) 8 Optional 5	vn with assemb clearance depus possible to note so poption "X4" (A2 210 lb.ft. e rating of this I PTO ratings ar the PTO ratings is and intermitte on to Allison "P" TIONAL® Truck Series transmis ce to end cover 0 only). Speed Reductic	nding on the ty all the informatic (0/A30) or "C" (C 2TO is based or e found on page ent and the CS4 (O enable" circu is has a shift op ision PTOs fit th can be minimiz n Gearbox. Rec	pe of pump us on here. CS10/41) 1410 In the Allison dr e 17 with conti 17, the CS41- 1-A1012 is 29i uit must be ma tion code 60Al ie left side ope eed by use of re duces PTO Spi	sed. The shaft h companion flau ive rating (for si nuous ratings fr A1007 is rated B lb.ft. continuo de when PTO is BE which proviu ning only. Use a smote mount so seeds shown by	igh assembly of the nge outputs shown. ngle PTO) of 485 lb. or Fire Pump applic. to 485 lb.ft. intermit us and intermittent. s engaged. Contact des a PTO cab switt application page AL blenoid option. This	PTO may also allo Light-duty applicat ft. continuous ratin ations to be calcula tent and 420 lb.ft. (dealer for connections LI-11. is specified by orde 4" Round, 5% " Key)	w direct mou tions can use g and is show ted as show continuous w on type and l of or the Clutco rring the CS1		to the numerol ion which will I e Allison Tech the transmiss ion. The CS41 n place of CS1	us chassis an reduce availat Data Book for ion rating are -A1010 is rate 0 or CS40, or	d engine combine ole PTO output r more informat not approved. ad to 336 lb.ft. by using the H	inations ion.	

	ALLISON TRANSMISSION							LEFT SIDE ONLY (RIGHT SIDE TURN PAGE)			10	
					ALLISON 10-BOLT OPENING				\supset			
	3000*** SERIES *** (EVS, RDS, SPS) (MHS, BUS, TRV Optional) MD3000 Series with PTO Opening			PTO DRIVE GEAR DATA:								
				onaij	68T 10.16P L.H.							
Contraction of the second s		Footnotes (1, 2, 4, 5, & 6)				LOCATION: Front	PLMF:			71		
						PLV: 1,856 FPM	RPM:	1,000	7			
10-BOLT	P	ГО	FOOT	SHAFT			SHIFT	SHAFT	CONTINUO @ 1,000 RI		INTERMITTE @ 1,000 RF	NT RATING
TYPE		NUMBER	NOTES	ROTATION	ENGINE %	STUD KIT	TYPE	EXTENSION	TORQUE	HP	TORQUE	HP
CONST.												
DRIVE												
MULTI GEAR												
									CONTINUOUS	AND INTERN	ITTENT RATING	S ARE SAME
	A30-A1005	5-MX3X4PX	10	Crnk	74	Included	None	See ALLI-5X	400	77	N/A	N/A
		5-MX3X4PX	10	Crnk	74 85	Included	None	See ALLI-5X See ALLI-5X	400	77	N/A N/A	N/A N/A
		-MX3X4PX	10	Crnk	99	Included	None	See ALLI-5X	415	79	N/A	N/A
I		3-MX3X4PX	10	Crnk	114	Included	None	See ALLI-5X	360	69	N/A	N/A
		9-MX3X4PX	10	Crnk	122	Included	None	See ALLI-5X	340	65	N/A	N/A
I)-MX3X4PX	10	Crnk	131	Included	None	See ALLI-5X	310	59	N/A	N/A
			10	Crnk	151	Included	None	See ALLI-5X	275	52	N/A	N/A
		2-MX3X4PX 5-MX3X4PX	10 10	Crnk Crnk	162 201	Included Included	None None	See ALLI-5X See ALLI-5X	265 205	50 39	N/A N/A	N/A N/A
	AS0-ATOTS		10	OTTIK	201	included	None	See ALLI-SA	203	- 39	N/A	N/A
								CONTINUOUS AND INTERMITTENT RATINGS ARE SAI			GS ARE SAME	
		5-HX3X4PX	7, 9, 10, 11	Crnk	74	Included	Power	See ALLI-5X	400	77	N/A	N/A
		6-HX3X4PX	7, 9, 10, 11	Crnk	85	Included	Power	See ALLI-5X	400	77	N/A	N/A
CLUTCH		7-HX3X4PX 3-HX3X4PX	7, 9, 10, 11	Crnk Crnk	99 114	Included Included	Power Power	See ALLI-5X See ALLI-5X	415 360	79 69	N/A N/A	N/A N/A
SHIFT MULTI		9-HX3X4PX	7, 9, 10, 11	Crnk	114	Included	Power	See ALLI-5X See ALLI-5X	360	65	N/A N/A	N/A N/A
GEAR		D-HX3X4PX	7, 9, 10, 11	Crnk	131	Included	Power	See ALLI-5X	310	59	N/A	N/A
		1-HX3X4PX	7, 9, 10, 11	Crnk	151	Included	Power	See ALLI-5X	275	52	N/A	N/A
		2-HX3X4PX	7, 9, 10, 11	Crnk	162	Included	Power	See ALLI-5X	265	50	N/A	N/A
	A20-A1018	5-HX3X4PX	7, 9, 10, 11	Crnk	201	Included	Power	See ALLI-5X	205	39	N/A	N/A
	0010 010	25 112 01/	7.0	0.1	70		D	0.4111.51/	050	07	500	0.5
	CS10-A100 CS10-A100		7, 9 7, 9	Crnk Crnk	78 88	Included Included	Power Power	See ALLI-5X See ALLI-5X	350 336	67 64	500 480	95 91
CLUTCH	CS10-A100		7,9	Crnk	98	Included	Power	See ALLI-5X	315	61	450	86
SHIFT MULTI	CS10-A100		7,9	Crnk	116	Included	Power	See ALLI-5X	294	56	420	80
GEAR	CS10-A10	10-H3CX	7, 9	Crnk	129	Included	Power	See ALLI-5X	270	52	385	73
HEAVY DUTY	CS41-A100	07-H3CX	3, 7, 9. 11	Crnk	100	Included	Power	See ALLI-5X	420	80	484	92
	CS41-A10		3, 7, 9, 11	Crnk	144	Included	Power	See ALLI-5X	336	64	336	64
	CS41-A10	12-H3CX	3, 7, 9, 11	Crnk	163	Included	Power	See ALLI-5X	298	57	298	57
OPTIONAL REDUCTION	GB1B-205	-125A	8	Орр	See				140	26	200	37
GEARBOX					Footnote 8							
ADAPTE	R TO CHANG	E ROTATION		No Ada	pter Available				REFER TO	ADAPTER GE	AR ASSEMBLIE	S IN INDEX
MODEL PTO SERIES & DESIGN DESIGNATOR ASSEMBLY ARRANGEMENT (see page BREAK GEAR PITCH OUTPUT SHAFT (see pages 14, 15, 16, &						pages 14, 15,	16, & 17)					
							OUTPUT	SHAFT (see pages 14, 15, 1	6, & 17)	.,,		
DOWN INTERNAL RATIO (see pages SPECIAL OPTIONS ((see pages 14, 15, 16, & 17) EX: A20 - A10 10 - HX 1 X4 PX IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTIO FOOTNOTES: 1 10 - HX 1 X4 PX IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTIO FOOTNOTES: 1 1 x4 PX Important: Footnotes may have clearance depending on the type of pump used. The shaft high assembly can be used in chassis with interference with the PTO shown. Direct mount pump applications may have clearance depending on the type of pump used. The shaft high assembly of the PTO may also allow direct mount pump installations. Due to the numerous chassis and engine combinations it is not possible to note all the information here.												
							CTION					
							sis and					
2 Standard	option "X4" (A	20/A30) or "C" (wn. Light-duty app	lications ca	n use the "1X" or "B" outpu	ut option whic	h will reduce	available	
	out torque to 21 le rating of this		on the Allison	drive rating (for	r single PTO) of 484	5 lb.ft. continuous	rating and is	s shown on this page. Refe	r to the Allisor	1 Tech Data I	Book for more	information
The CS41	1 PTO ratings a	are found on pa	ge 17 with co	ntinuous rating	gs for Fire Pump ap	plications to be ca	alculated as	shown on page 3. Ratings	above the tra	nsmission ra	ting are not	
					1007 is rated to 48 b.ft. continuous a		and 420 lb	.ft. continuous when used	on this transm	ission. The (CS41-A1010 is	rated
4 Connection	on to Allison "F	TO enable" circ	cuit must be n	nade when PT	O is engaged. Cont	tact dealer for con						
5 INTERNA	I IONAL® Truc	ks has a shift o	ption code 60	ABE which pro	ovides a PTO cab s	witch and connec	tions for the	Clutch Shift PTO.				

 The show the control of the show to be which provide a Processing of the show to be control of the control of the show to be control of HR shift code (A20 only).

8 Optional Speed Reduction Gearbox. Reduces PTO Speeds shown by 50%. PTO shaft (1¼" Round, 5%" Key) rotation changes to Opposite of Engine. PTO output "-HX1BBPW" required.
9 CS10, CS41 and A20 PTOs in Fire Pump applications are approved to 4,000 RPM PTO output shaft speed.
10 A20 and A30 have a single continuous/intermittent torque rating.
11 PTO available with Muncie Start[®]; SX shift code on A20, 6 special feature on CS40.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

MUNCIE	MUNCIE PT(*** (EVS, RDS, SPS) (MHS, BL MD-3060P, MD-3066P,	00*** SERIES O SHAFT EXTENSIONS JS, TRV OPTIONAL) MD-3050P, MD-3550P, MD-3560P, MD-3566P, MD-3070PT otnotes (2 & 4)	ALLISON 10-BOLT OPENING PTO DRIVE GEAR DATA: 68T 10.16P L.H. LOCATION: Front PLMF: 1.775 PLV: 1856 FPM RPM: 1,000			
PTO SERIES		ALLISON 3000*** WITHOUT RETARDER OR COOLER				
		LEFT SIDE	RI	RIGHT SIDE		
A20 and A30		XSMC-A30XX-X3**XX A*0-A10**-**3CBPW		XSMC-A30XX-X1**XX A*0-A10**-**1CBPW		
CS10		49TA***** (TURN PAGE)	NO	NOT AVAILABLE		
CS41		NOT AVAILABLE	NO	NOT AVAILABLE		
		ALLISON 3000*** WITH RETARDER				
		LEFT SIDE	RI	RIGHT SIDE		
A20 and A30		XSMC-A30XX-X3**RX A*0-A10**-**3CBPW		C-A30XX-X1**RX A1-**-**1CBPW		
CS10		XS10-A30XX-X3**RX CS10-A10**-H3VX	NO	T AVAILABLE		
CS41		XS41-A30XX-X3**RX CS41-A10**-M3VX	NO	NOT AVAILABLE		
		ALLISON 3000**	WITH INTEGRA	L COOLER		
		LEFT SIDE	RI	RIGHT SIDE		
A20 and A30		XSMC-A30XX-X4**CX A*0-A10**-**5CBPW		XSMC-A30XX-X2**CX A*0-A10**-**5CBPW		
CS10		NOT AVAILABLE	NO	NOT AVAILABLE		
CS41		NOT AVAILABLE	NO	NOT AVAILABLE		

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

- 1 49TA***** part numbers are choices for aluminum housing versions of shaft extension. These are shown on back of this page.
- 2 PTOs and shaft extensions for integral cooler applications must be mounted shaft high in order to clear cooler.

- Provide to clear cooler.
 PTO and shaft extension sold separately.
 No shaft extension option for Allison 3700 Series or Allison 3000 Series with top opening.
 Table shows shaft extension part number on top, with corresponding PTO listed below where applicable. Some combinations are not available, and are listed as such.
 See Page ALLI-05 for PTO application details

ALLISON TRANSMISSION



3000*** SERIES MUNCIE PTO SHAFT EXTENSIONS *** (EVS, RDS, SPS) (MHS, BUS, TRV OPTIONAL) MD-3050P, MD-3550P, MD-3060P, MD-3066P, MD-3560P, MD-3566P, MD-3070PT Footnotes (2 & 4)
 ALLISON 10-BOLT OPENING

 PTO DRIVE GEAR DATA:

 68T 10.16P L.H.
 LOCATION: Front
 PLMF:
 1.775

 PLV: 1856 FPM
 RPM:
 1,000

ALLISON 3000*** WITHOUT RETARDER OR COOLER

	PTO SERIES	OUTPUT	LEFT SIDE	RIGHT SIDE				
500	0010	SAE BB	49TA5448A CS10-A10**-H3VX	NOT AVAILABLE				
	CSIU	CS10 SAE C	49TA5449A CS10-A10**-H3VX	NOT AVAILABLE				

IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

- 1 PTO and shaft extension sold separately.
- 2 No shaft extension option for Allison 3700 Series or Allison 3000 Series with top opening.
- 3 Table shows shaft extension part number on top, with corresponding PTO listed below. Some combinations are not available, and are listed as such.
- For transmissions with retarder or integral cooler, see front of this page.
- 5 See Page ALLI-05 for PTO application details.