# HWH® SYSTEM IDENTIFICATION (Pictorial & Official Nomenclature) HWH® SPACEMAKER® SLIDE-OUT SYSTEMS (Filename: ML17785\_01\_NOM\_PR\_SO.DOC) (Revision Date: 02FEB17-1)

## Printable File: ► ML17785\_01\_NOM\_PR\_SO.PDF

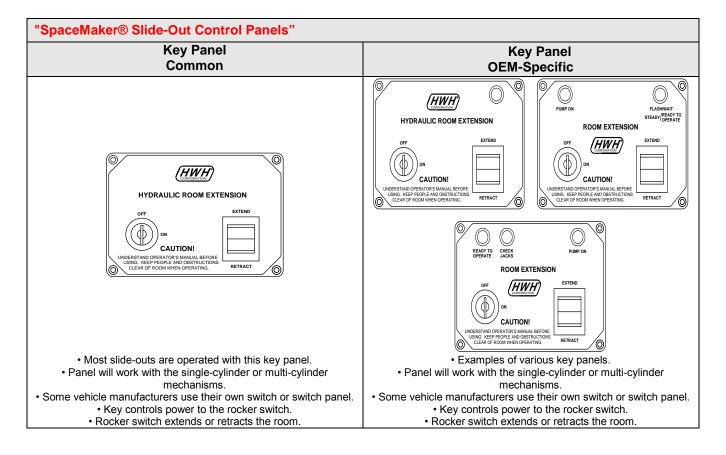
#### **RELATED INFORMATION:**

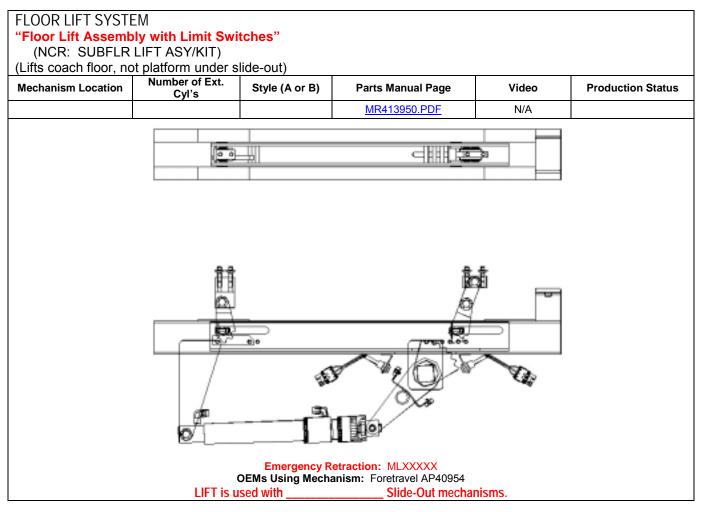
### RELATED INFORMATION:

HWH Slide-Out Web Site Home Page

Slide-Out Style (A or B) Explanation

	Slide-Out Control Panels
	SpaceMaker® Slide-Out CONTROL PANELS
BOM ABBR	Slide-Out with Floor-Lift Systems
HC	► <u>Horizontal Platform Lift Cylinders (HC)</u> (Used with USOHD to make a UPLO/HC)
VC	Vertical Platform Lift Cylinders (VC) (Used with USOHD to make a UPLO/VC)
	Floor Lift Assembly with Limit Switches
BOM	Slide-Out Mechanisms
ABBR	► Aluminum
	Canopy Lift System
CAP EXT	► Coach Cap (Front End) Extension (Rail Mechanism)
	► Dual-Direction Storage Slide
	► Engine Door Lift
5C	► Five Cylinder - In Coach Roof - Chariot Vans ( <u>MR411201</u> )
4C	► <u>Four Cylinder</u>
GEN	► <u>Generator Extension (GEN)</u>
GD	► <u>Guided (GD)</u>
IC/FW	► In-Ceiling Full-Wall (IC/FW)
IFSO	► In-Floor Straight-Out (IF/SO)
IFLO	► In-Floor Level-Out (IFLO)
IFLSO	In-Floor Level-Out or Straight-Out (IFLSO)
LA	► <u>Lateral Arm (LA)</u>
LA/TT	► Lateral Arm with Torsional Tube (LA/TT)
LILO	Level-In/Level-Out Floor (LILO)
SLLO SRLO	<ul> <li>Level-Out Screw Left (SLLO)</li> <li>Level-Out Screw Right (SRLO)</li> </ul>
LOF	► Level-Out Floor (LOF)
LOF/P	<ul> <li>Level-Out Floor Pivotal (LOF/P)</li> </ul>
PB	► Pivoting Beam (PB)
RAIL	► Rail with HWH® Synchronizing Cylinder (RAIL)
RAIL/RSV	► Rail with HWH® Rack Sensing Valve (RAIL/RSV)
RKY	(aka Newell® Phantom Suite® (aka Recky Room) (RKY))
1C	<ul> <li><u>Single Cylinder (1C)</u></li> <li>Slimline (SLIM)</li> </ul>
SLIM TD	<ul> <li>Train Drive (TD)</li> </ul>
UFO	<ul> <li>Universal Flat-Out (UFO)</li> </ul>
ULI/ULO	<ul> <li>Universal Level-In/Level-Out (ULI/ULO)</li> </ul>
ULO	<ul> <li>Universal Level-Out (ULO) with Built-In Platform Lift Cylinders</li> </ul>
ULO/FW	<ul> <li>Universal Level-Out Full-Wall (ULO/FW) with Built-In Platform Lift Cylinders</li> </ul>
UPLO/HC	<ul> <li>Universal Platform Level-Out with Horizontal Platform Lift Cylinders (UPLO/HC)</li> </ul>
UPLO/VC	Universal Platform Level-Out with Vertical Platform Lift Cylinders (UPLO/VC)
USO	► Universal Straight-Out (USO)
USOHD	Universal Straight-Out Heavy Duty (USOHD)
USOLD	Universal Straight-Out Light Duty (USOLD)
VA	► <u>Vertical Arm (VA)</u>
VALOF	Vertical Arm Level-Out Floor (VALOF)
Х	► <u>X-Slide (X)</u>





FLOOR LIFT SYS	TEM orm Lift Cylinders	s (HC)"			
SpaceMaker® Slie	de-Out FLOOR LIF				
(NCR: LIFT PI Lifts platform under					
Mechanism Location	Number of Ext. Cyl's	Style (A or B)	Brochure & Spec's	Video	Production Status
Location	Cyrs		ML52624.PDF		
Above Floor			(No Spec. Sheet)	N/A	Available for Production
			PARTS MANUAL PAGES: XXXXX		
		OEMs Using Mechani	action: MLXXXX sm: Newmar 2015/2016 GLIDE-OUT MECHANISM	AS. (2015)	
			EDE-OUT MECHANISK	13. (2013)	
FLOOR LIFT S					
	<mark>n Lift Cylinders (V</mark> de-Out FLOOR LIF				
(NCR: LIFT P	PLAT MECH)				
Lifts platform unde Mechanism	er slide-out. Number of Ext.				
Location	Cyl's	Style (A or B)	Documents ML43902	Video	Production Status
Above Floor	1/2/3/4 Lift Cyl	В	Brochure/Spec's <u>MR414000 – 1CYL</u> <u>MR414005 – 2 CYL</u> <u>MR414010 – 3CYL</u> <u>MR414015 – 4CYL</u> Parts Manual Pgs	<u>ML43902B</u>	Available for Production
			*	LENGTH DETERMINED BY F	10000
			8.825°		
					T STATION
L.		1	14.875"		
				MECHANDOM PETIRACTE (LOWERED)	D
. Second				••••••••••••••••••••••••••••••••••••••	BEARDING PAD
				7.180	<del>نه ر</del>
			14.675"	1ED 8HAFT 3.820	SPLINED SHAFT
				MECHANISM EXTENDE (RAISED)	D
		and the second second	BARNUAL FIET		
		1			
			MANNUAL.		
			BOLT	Referen	
		Emergency Retr	LOWERED POSITION action: MLXXXXX	RAUSED POSITION	
		OEMs Using	Mechanism: X lowers rooms.		
	Typically ι		LIDE-OUT MECHANISM	NS. (2015)	

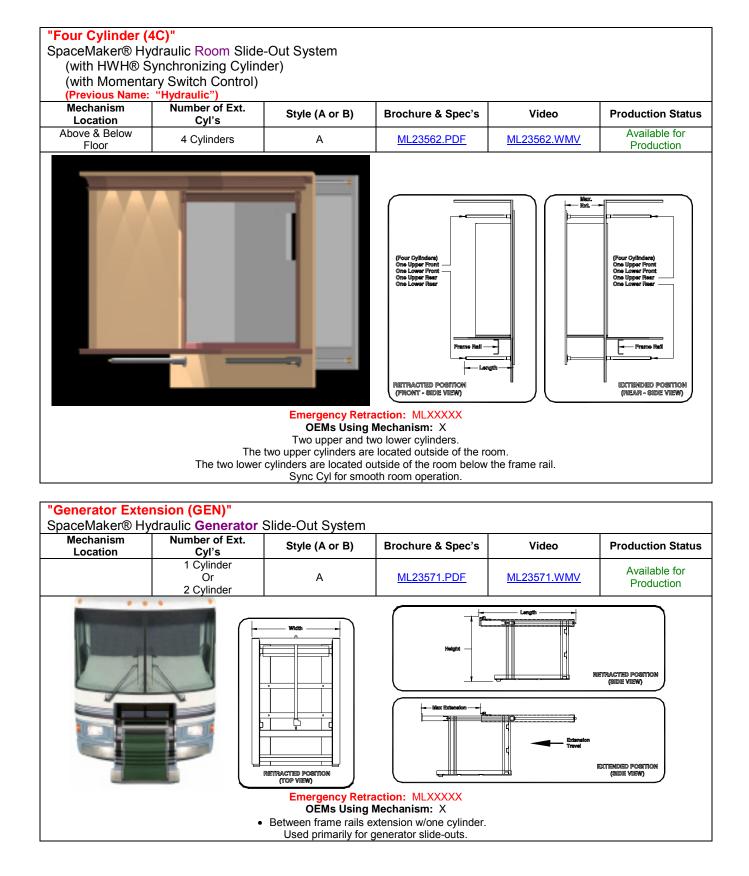
"Aluminum"					
SpaceMaker® H	ydraulic Room Slide	-Out Svstem			
Mechanism	Number of Ext.				
Location	Cyl's	Style (A or B)	Brochure & Spec's	Video	Production Status
		Emergency Ret	raction: MLXXXXX		
	OEMs U	lsing Mechanism: W	/innebago® 1999-2000 (Al	P19394)	

"Canopy Lift Sys	stem" draulic Canopy Slid	lo Out System							
Mechanism	Number of Ext.	Style (A or B)	Brochure & Spec's	Video	Production Status				
Location	Cyl's								
	Emergency Retraction: MLXXXXX								
		OEMs Using	Mechanism: X						
1		<u>MR20467</u>	<u> 77 – Ctrl Pnl</u>						

	ont End) Extension ydraulic Coach Cap				
Mechanism	Number of Ext.	Style (A or B)	Brochure & Spec's	Video	Production Status
Location	Cyl's				
	c			•	
	3	CC IVIL3/349	FOR PICTURE		
		DUAL "RAII	" SLIDE-OUT		
			raction: MLXXXXX		
		OEMs Using	Mechanism: X		

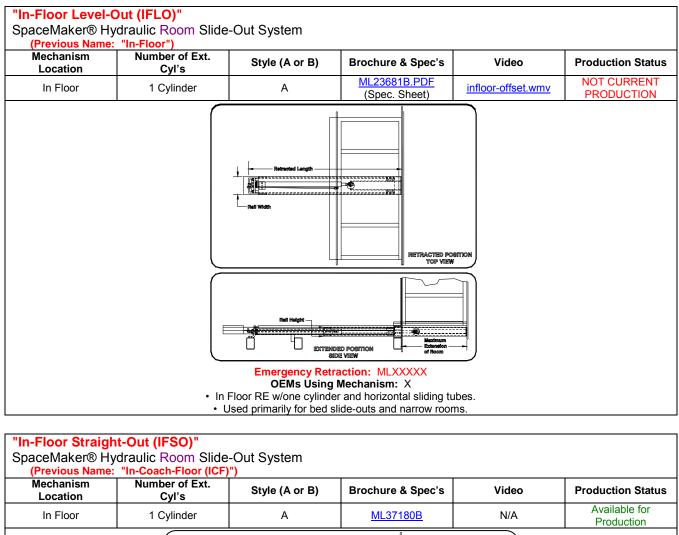
Mechanism	Number of Ext.	de-Out System	Prochura & Spacia	Video	Production Status
Location	Cyl's	Style (A or B)	Brochure & Spec's	Video	
Below Floor	2 Cylinders	A & B	ML38761.PDF	<u>ML38761.WMV</u>	Available for Production
			desures		Mazdanum Extension

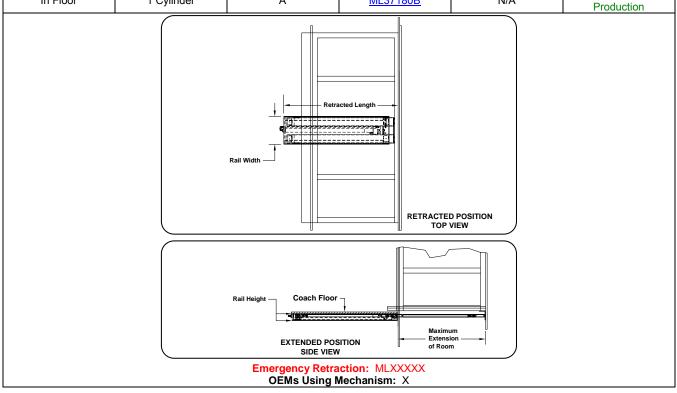
"Engine Door Li SpaceMaker® Hy	ft" /draulic Door Slide-(	Out System								
Mechanism Location	Number of Ext. Cyl's	Style (A or B)	Brochure & Spec's	Video	Production Status					
	SEE <u>ML37349</u> FOR PICTURE (MP354885)									
	OE	Emergency Ret	r <mark>action:</mark> MLXXXXX n: Newmar (See <u>ML3892</u>	29)						

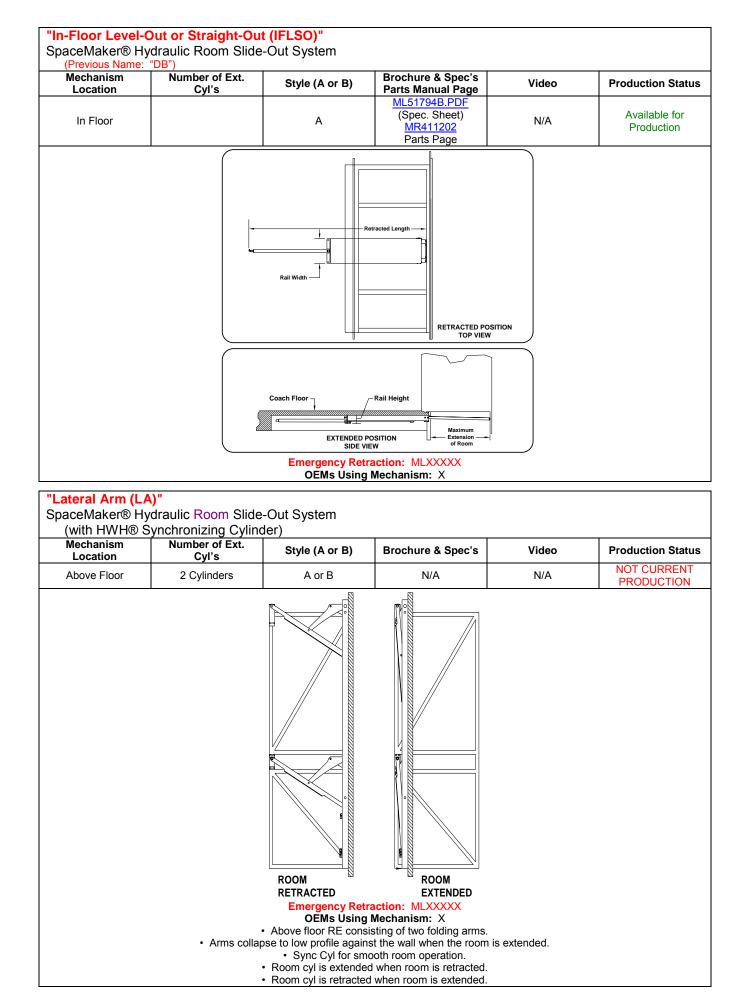


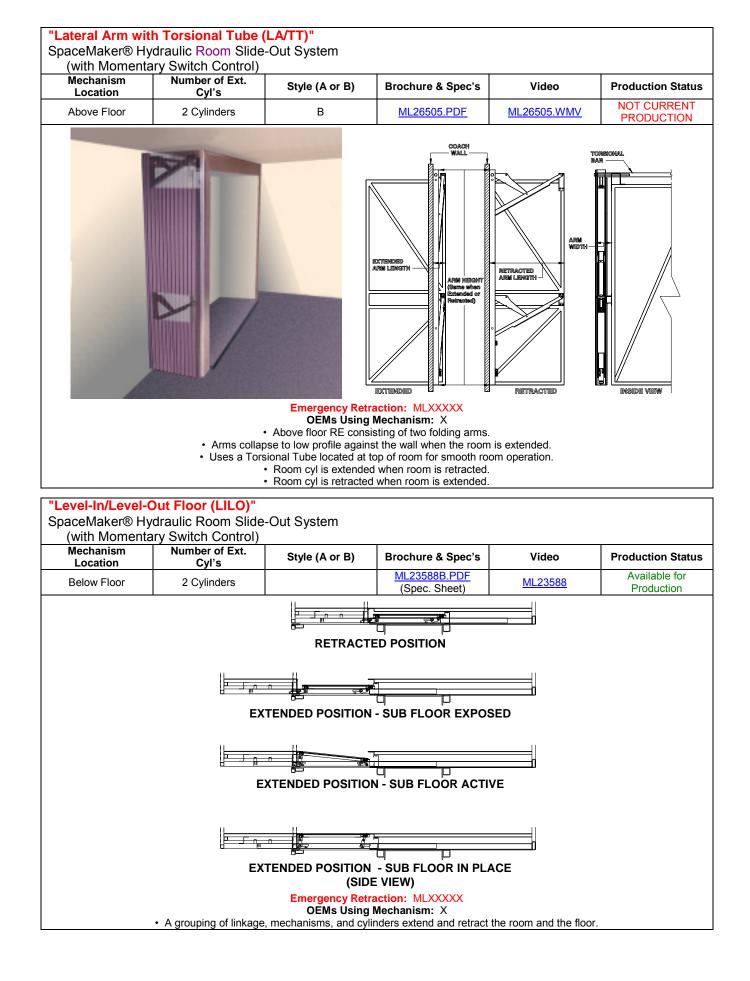
	draulic Room Slide ry Switch Control) Number of Ext. Cyl's	-Out System Style (A or B)	Brochure & Spec's	Video	Production Status
Above Floor	1 Cylinder	А	ML23569.PDF	<u>ML23569</u>	Available for Production
			- With Co	Hall Fluch hall Fluch mailen mibly EXTIENDED P (TOP VIII	Mac. Biblenelon - Of Room
			raction: MLXXXXX Mechanism: X		
			and horizontal sliding hat ide-outs and narrow room		

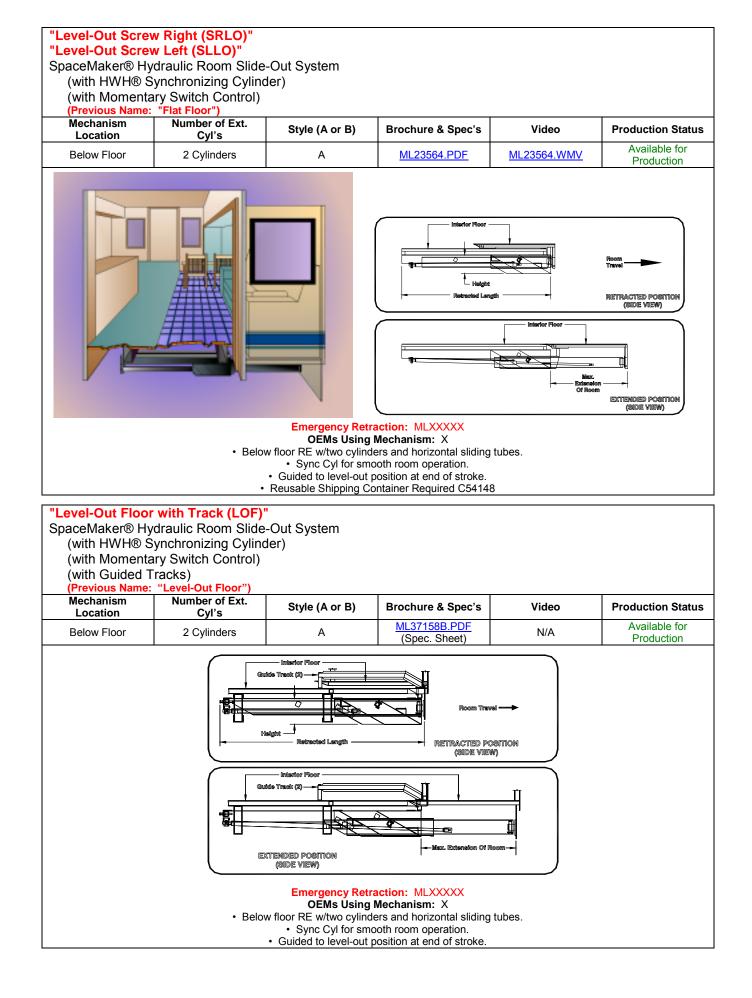
"In-Ceiling Full V	Vall (IC/FW)"							
	draulic Room Slide	-Out System						
	r Level-In/Level-Ou							
(with HWH® S	ynchronizing Cylind	ler)						
Mechanism Location	Number of Ext. Cyl's	Style (A or B)	Brochure & Spec's	Video	Production Status			
In Ceiling Full Wall	4 Cylinders	A	ML39552 (No Spec. Sheet)	<u>ML39552</u>	Available for Production			
			action: MLXXXXX Mechanism: X					

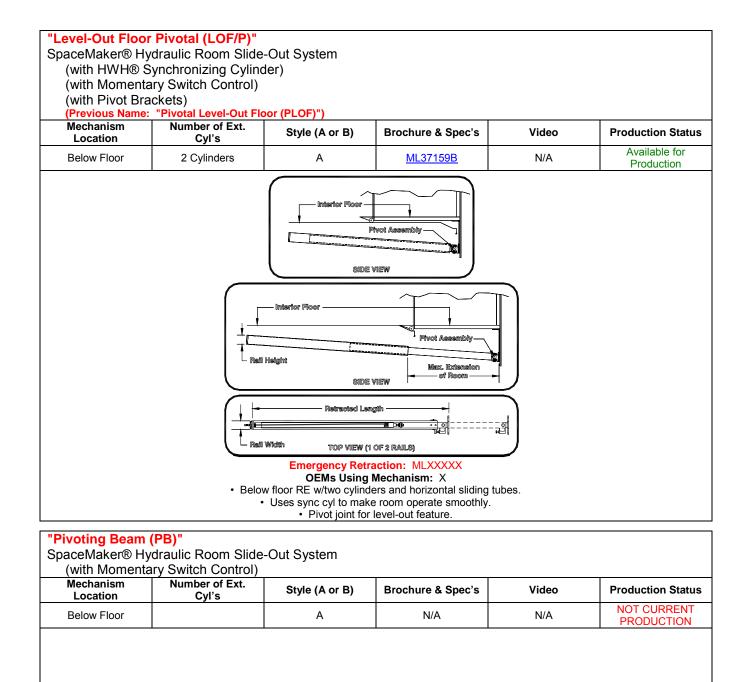




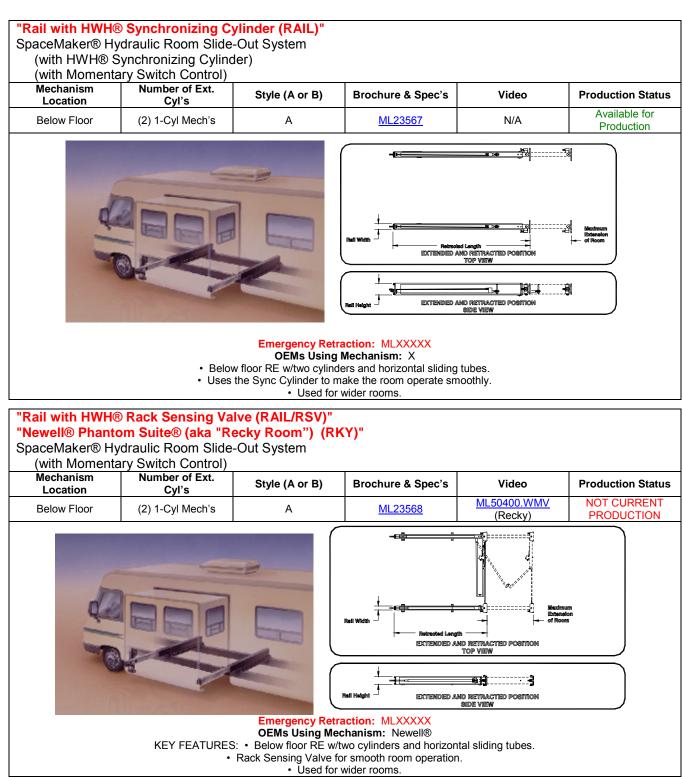






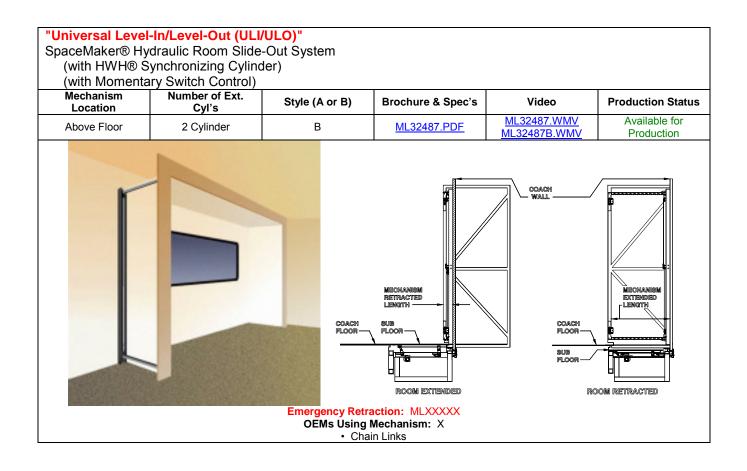


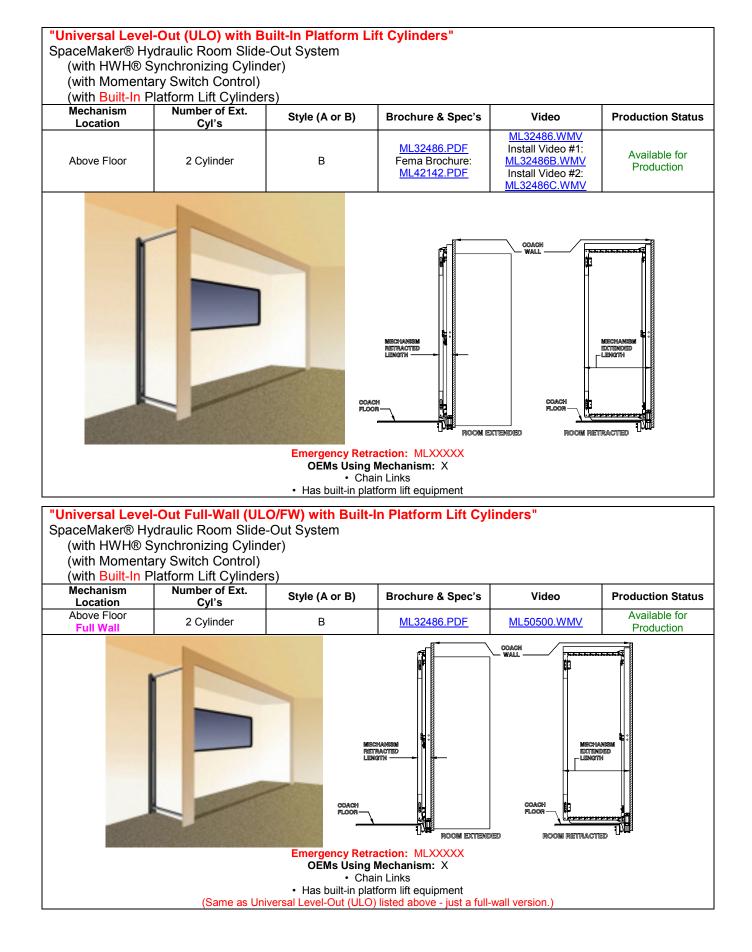
Emergency Retraction: MLXXXXX OEMs Using Mechanism: X



"Single Cylinder	(1C)"				
SpaceMaker® Hy	draulic Room Slide	-Out System			
(Previous Name: Mechanism Location	"Hydraulic") Number of Ext. Cyl's	Style (A or B)	Brochure & Spec's	Video	Production Status
Above Floor Below Floor	1 Cylinder	A	<u>ML23570</u>	N/A	NOT CURRENT PRODUCTION
	• Belo	<b>OEMs Using</b> w Floor RE w/one cyline	Control of the second s		
	draulic Room Slide ry Switch Control)	- I			
Location Below Floor	Cyl's 1 Cylinder or 2 Cylinder	Style (A or B)	Brochure & Spec's ML42942	Video ML42942	Production Status Available for Production
		<b>III</b>			
Picture -	Side View w/Switch	Cutaway	Pictur	e - Below Slide Look. (hh95370.jpg)	ing Up
		OEMs Using	action: MLXXXXX Mechanism: X tivated Switch		

(with HWH® S	" draulic Room Slide ynchronizing Cylinc ry Switch Control)				
Mechanism Location	Number of Ext. Cyl's	Style (A or B)	Brochure & Spec's	Video	Production Status
Above Floor	4 Cylinder	В	ML23561B.PDF	ML23561B.WMV	Available for Production
-	are connected to the ex	Emergency Retr OEMs Using • No Chain – Snar er and two lower cylinde tterior wall of the coach devices that are guin • Sync Cyl for smo	Action: MLXXXXX Mechanism: X Print Action Stream Print Action Stream Action: MLXXXXX Mechanism: X Print Action Stream Print Action Stream Action Action Stream Action Stream Action Acti	that are joined togethe	
(with HWH® S	Dut (UFO)" draulic Room Slide ynchronizing Cylinc ry Switch Control)				
Mechanism Location	Number of Ext. Cyl's	Style (A or B)	Brochure & Spec's	Video	Production Status
		Emergency Retr	R41.2687		1
		OEMs Using	action: MLXXXXX Mechanism: X iin Links		





## "Universal Platform Level-Out with Horizontal Platform Lift Cylinders (UPLO/HC)" UPLO/HC = USOHD + HORIZONTAL PLATFORM LIFT CYLINDERS SpaceMaker® Hydraulic Room Slide-Out

(with Horizontal Platform/Floor-Lift Cylinders)

Mechanism Location	Number of Ext. Cyl's	Style (A or B)	Brochure & Spec's	Video	Production Status
SEE USOHD	SEE USOHD	SEE USOHD	ML52624.PDF (No Spec. Sheet)	N/A	Available for Production

# "UPLO/HC" = "USOHD" + HORIZONTAL PLATFORM LIFT CYLINDERS

## "Universal Platform Level-Out with Vertical Platform Lift Cylinders (UPLO/VC)" UPLO/VC = USOHD + VERTICAL PLATFORM LIFT CYLINDERS

SpaceMaker® Hydraulic Room Slide-Out

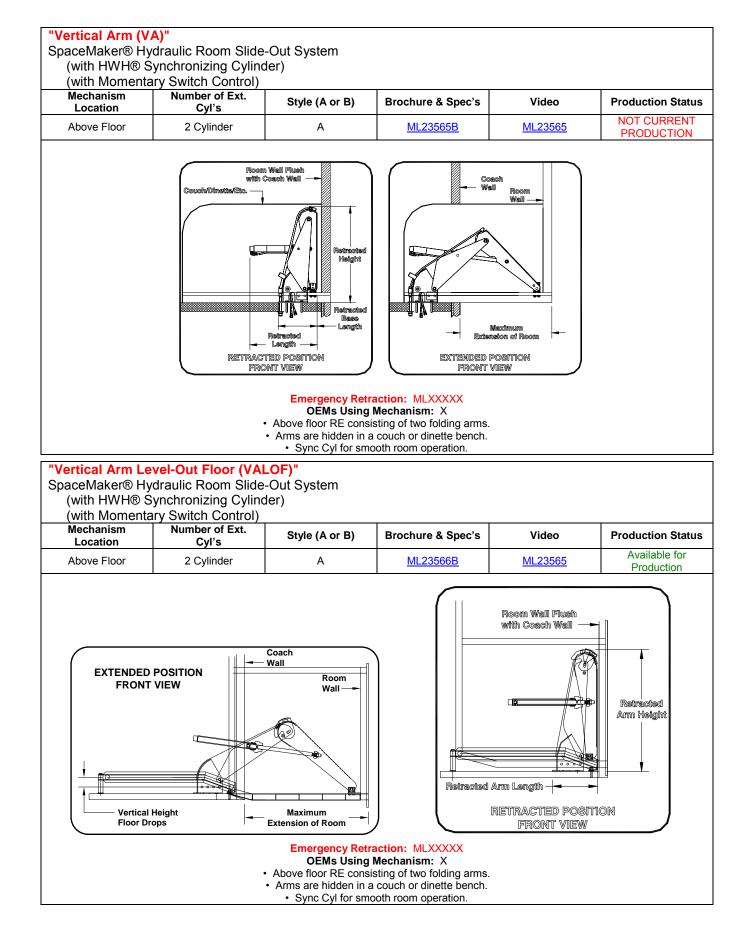
(with Vertical Platform/Floor-Lift Cylinders)

Mechanism Location	Number of Ext. Cyl's	Style (A or B)	Documents	Video	Production Status
SEE USOHD	SEE USOHD	SEE USOHD	ML43902 Brochure/Spec's	<u>ML43902B</u>	Available for Production

# "UPLO/VC" = "USOHD" + VERTICAL PLATFORM LIFT CYLINDERS

Mechanism Location	ary Switch Control) Number of Ext. Cyl's	Style (A or B)	Brochure & Spec's	Video	Production Status
Above Floor	2 Cylinder	В	ML32485	<u>ML32485</u>	Available for Production
		COA FLOX	CH COACH Retracted Room EXTENDED		INGRIDIE AIEAM COOCH MIECHTWIGH
paceMaker® H (with HWH® §	ght-Out Heavy Dut ydraulic Room Slide Synchronizing Cylind	• Cha Used with PLATFOR y (USOHD)" -Out System	MUTER AND A STREET AN STREET AND A STREET AN		
paceMaker® Hy (with HWH® S (with Moment Mechanism	ght-Out Heavy Dut ydraulic Room Slide Synchronizing Cylinc ary Switch Control) Number of Ext.	• Cha Used with PLATFOR y (USOHD)" -Out System ler)	iin Links M/FLOOR LIFT SYSTEM.	Video	Production Statu
paceMaker® Hy (with HWH® ( (with Moment)	ght-Out Heavy Dut ydraulic Room Slide Synchronizing Cylinc ary Switch Control)	• Cha Used with PLATFOR y (USOHD)" -Out System	iin Links	Video N/A	Production Statu Available for Production
paceMaker® H (with HWH® S (with Moment Mechanism Location	ght-Out Heavy Dut ydraulic Room Slide Synchronizing Cylind ary Switch Control) Number of Ext. Cyl's 2 Cylinder	• Cha Used with PLATFORI y (USOHD)" -Out System ler) Style (A or B) B	in Links W/FLOOR LIFT SYSTEM. Brochure & Spec's	N/A	Available for

SpaceMaker® Hy (with HWH® S (with Momenta	ght-Out Light Duty draulic Room Slide synchronizing Cylinc ary Switch Control)	-Out System					
Mechanism Location	Number of Ext. Cyl's	Style (A or B)	Brochure & Spec's	Video	Production Status		
Above Floor	2 Cylinder	В	<u>ML49187</u>	<u>ML32485</u>	Available for Production		
OUNCH       OUNCH         WEITHACTED       INCLUSION         OUNCH       INCLUSION         ROOM EXTENDED       INCLUSION         Emergency Retraction:       MLXXXXXX							
		Chai	<b>Mechanism:</b> X n Links				
	•	Used with PLATFORM	1/FLOOR LIFT SYSTEM	l.			



(with HWH® S							
Mechanism Location	Number of Ext. Cyl's	Style (A or B)	Brochure & Spec's	Video	Production Status		
Above Floor	2 Cylinder	В	ML29639.PDF ML29639B.PDF (Spec. Sheet)	N/A	NOT CURRENT PRODUCTION		
	<ul> <li>Arms collap</li> </ul>	OEMs Using • Cha • Above floor RE consis • so low profile agains • Sync Cyl for smo • Room Cyl is extended	action: MLXXXXX Mechanism: X in Links sting of two folding arms. st the wall when the room both room operation. d when room is retracted. when room is extended.	is extended.			