



# SERVICE BULLETIN

September 16, 2025 Subject: **High Altitude / Sea Level Specifications**

No. **2026-2**

MODEL YEAR	MODEL
2026	Commander Series
	Defender Series
	Maverick X3 Series
	Maverick Sport Series
	Maverick Trail Series
	TRAXTER™ Series (European Union and United Kingdom)

Standard drive pulley calibration on above-listed models was set at factory for sea level riding. Refer to the appropriate *SERVICE MANUAL* for detailed specifications.

When a Side-by-Side vehicle is used at 1 800 m (6,000 ft) or more above sea level, modifications to drive pulley settings must be performed as per table contained in this document.

**IMPORTANT: Should vehicle return to lower altitudes, drive pulley calibration must be set back accordingly.**

## HIGH ALTITUDE PARTS RETURN PROGRAM

**NOTE: Do not use a warranty claim form;** submit via BOSSWeb a Return Authorization Request (see BOSSWeb Return Authorization Request section).

Purchase from BRP the necessary parts for high altitude application. Anything other than a BRP part will not be accepted.

Submit via BOSSWeb a *RETURN AUTHORIZATION REQUEST* and once approved by BRP, return the original UNUSED centrifugal levers, with a copy of the *RETURN ORDER CONFIRMATION FORM*. Attach proof that replacement parts were purchased from BRP (invoice or packing slip).

**NOTE:** Centrifugal levers are sold by package with the required quantity to update a model to high altitude. The same quantity of levers must be returned for each specific model.

Credit for the original parts will be issued to dealer's account through the regular parts system, credited at 100% of parts cost (current dealer cost), no handling.

Levers will be inspected when received and, if found used, will be returned to the dealer without credit. Note that a 30\$ handling fee plus freight charge could be applied to dealer account.

**NOTE:** Only centrifugal levers are allowed to be returned with this program; no other parts can be returned.

No labor credit.

Be sure to match and ship all centrifugal levers with the same form.

## Return Address

The return address will be provided with your authorization number via BOSSWeb. Submit a *BOSSWEB RETURN AUTHORIZATION REQUEST*.

## BOSSWEB RETURN AUTHORIZATION REQUEST

**NOTICE** All authorization numbers have to be requested via BOSSWeb to return the parts that were removed. To proceed, please follow these quick and easy steps:

1. From the home page, choose the "Parts" menu, and select **Return Entry**.
2. For "Return Type", select **Return Program**.
3. For "Return Reason", select **High Altitude exchange**.
4. For "Your Return Number" write the unit serial number: << \_\_\_\_\_ >>.
5. For "Product Line" select: **Side-by-Side**.
6. Click the forward arrow to go to next step.
7. Enter part number for the centrifugal lever kit that was removed from the unit; the return quantity should always be 1 kit per return request.
8. Once you are sure that all information is correct, click the blue forward arrow to submit.

**NOTE:** Once your return request has been submitted via BOSSWeb, please allow **1 to 3 days** to receive the approval to return the items. The items can only be returned after having received the return authorization number via BOSSWeb (this number will appear in the return status screen on BOSSWeb).

## GENERAL INFORMATION

No high altitude calibration settings have to be done through BUDS2. The calibration features an automatic electronic fuel injection compensation allowing fuel injection mapping to be optimized at all altitudes.

### Table Format

In the tables throughout this document, the shaded column gives factory setting.

ALTITUDE	
Parts to be modified	Recommended Adjustment

# HIGH ALTITUDE SPECIFICATIONS

## Commander 700 Series

### Drive Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	(P/N 420638133)					
Load when compressed	550N ± 55N @ 74 mm 1750N ± 175N @ 40 mm					
Centrifugal lever	1 x (P/N 420248726) (3 X 248434)			3 x (P/N 707003077) (CAL#A401_706600410)		
Weight (g)	82.28 ± 0.6			81.4 ± 0.3		
Width (mm)	13.85 ± 0.25			12.71 ± 0.05		
Engagement RPM ± 100	1950					
Maximum RPM ± 100	7500					

### Driven Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Green (420238186)					
Load when compressed	800 N @ 72.8 mm 1100 N @ 46.1 mm					
Cam	ACC 45°/48° (P/N 420280784)					
Sliding pulley ass'y	420280784					

# Commander 1000R / Commander MAX 1000R

## Drive Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Yellow/Blue (P/N 420638115)					
Load when compressed	446N @ 60.6 mm 690N @ 28 mm					
Centrifugal lever	1 x (P/N 420248711) (3 X 248697)			6 x (P/N 707002856) (CAL#A608)		
Weight (g)	45.88 ± 0.6			45 ± 0.3		
Width (mm)	14.4 ± 0.1			12.08 ± 0.05		
Engagement RPM ± 100	1950					
Maximum RPM ± 100	8000					

## Driven Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Black with lug (P/N 420638124)					
Load when compressed	500N @ 69.9 mm 800N @ 43.2 mm					
Cam	46° / 56° (P/N 420280755)					
Preload (kg)	A4 = 11.5					

# Commander XT-P 1000R / Commander XT-P MAX 1000R

## Drive Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Green (P/N 420638119)					
Load when compressed	415N ± 25N @ 60.6 mm 870N ± 50N @ 28 mm					
Centrifugal lever	1 x (P/N 420248712) (3 X 248695)			6 x (P/N 707002486) (CAL#A605)		
Weight (g)	41.78 ± 0.6			40 ± 0.3		
Width (mm)	13 ± 0.1			10.41 ± 0.05		
Engagement RPM ± 100	1850					
Maximum RPM ± 100	8000					

## Driven Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Black with lug (P/N 420638124)					
Load when compressed	500N @ 69.9 mm 800N @ 43.2 mm					
Cam	46° / 56° (P/N 420280755)					
Preload (kg)	A4 = 11.5					

# Defender HD7 Series

## Drive Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	(P/N 420638133)					
Load when compressed	550N ± 55N @ 74 mm 1750N ± 175N @ 40mm					
Centrifugal lever	1 x (P/N 420248726) (3 X 248434)			3 x (P/N 707003077) (CAL#A401_706600410)		
Weight (g)	82.28 ± 0.6			81.4 ± 0.3		
Width (mm)	13.85 ± 0.25			12.71 ± 0.05		
Engagement RPM ± 100	1950					
Maximum RPM ± 100	7500					

## Driven Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Green (420238186)					
Load when compressed	800 N @ 72.8 mm 1100 N @ 46.1 mm					
Cam	ACC 45°/48° (P/N 420280784)					
Sliding pulley ass'y	420280784					

# Defender HD9 Series

## Drive Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	(P/N 420638129)					
Load when compressed	489 ± 48.9 N @ 60.6 mm 845 ± 84.5 N @ 28 mm					
Centrifugal lever	1 x (P/N 420248694) (3 x 248678)			6 x (P/N 707002677) (CAL# A506)		
Weight (g)	54.4 ± 0.6			48.6 ± 0.3		
Width (mm)	14.9 ± 0.1			13.88 ± 0.2		
Engagement RPM ± 100	1950					
Maximum RPM ± 100	8000					

## Driven Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Black with lug (P/N 420638124)					
Load when compressed	500N @ 69.9 mm 800N @ 43.2 mm					
Cam	43° / 53° (P/N 420280758)					
Preload (kg)	A4 = 11.5					

# Defender HD10 Series (Except X mr) / TRAXTER HD10 Series (Europe) (Except X mr)

## Drive Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	(P/N 420638129)					
Load when compressed	489 ± 48.9 N @ 60.6 mm 845 ± 84.5 N @ 28 mm					
Centrifugal lever	1 x (P/N 420248694) (3 x 248678)			6 x (P/N 707002677) (CAL# A506)		
Weight (g)	54.4 ± 0.6			48.6 ± 0.3		
Width (mm)	14.9 ± 0.1			13.88 ± 0.2		
Engagement RPM ± 100	2000					
Maximum RPM ± 100	8000					

## Driven Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Black with lug (P/N 420638124)					
Load when compressed	500N @ 69.9 mm 800N @ 43.2 mm					
Cam	43° / 53° (P/N 420280758)					
Preload (kg)	A4 = 11.5					

# Defender HD10 X mr / TRAXTER HD10 X mr (Europe)

## Drive Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	(P/N 420638129)					
Load when compressed	489 ± 48.9 N @ 60.6 mm 845 N ± 84.5 N @ 28 mm					
Centrifugal lever	1 x (P/N 420248709) (3 x 248679)			6 x (P/N 707002648) (CAL# A606)		
Weight (g)	48.67 ± 0.6			46.5 ± 0.3		
Width (mm)	14.16 ± 0.1			11.75 ± 0.05		
Engagement RPM ± 100	2000					
Maximum RPM ± 100	8000					

## Driven Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Black with lug (P/N 420638124)					
Load when compressed	500N @ 69.9mm 800N @ 43.2mm					
Cam	43°/53° (P/N 420280758)					
Preload (kg)	A4 = 11.5					

# Defender HD11 Series

## Drive Pulley

	SEA LEVEL 0 M (0 FT)			1800 M (6000 FT)
Spring	(P/N 420638146)			
Load when compressed	445 ± 45.5 N @ 70 mm 890 ± 89 N @ 36 mm			
Centrifugal lever	3UP 3 x 248745	MAX 3 x 248761	X mr 3 x 248747	3 x (P/N 707003818) (706600513 CAL# A410V0)
Weight (g)	114.5 ± 0.6	98.57 ± 0.6	97.9 ± 0.6	86.72 ± 0.3
Width (mm)	13.84 ± 0.1	14.66 ± 0.1	13.7 ± 0.1	14 ± 0.05
Engagement RPM ± 100	2000			
Maximum RPM ± 100	8500			

## Driven Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Black with lug (P/N 420638124)					
Load when compressed	500N @ 69.9 mm 800N @ 43.2 mm					
Cam	43° / 53° (P/N 420280758)					
Preload (kg)	A4 = 11.5					

# Maverick Trail 700 Series

## Drive Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	(P/N 420638133)					
Load when compressed	550N ± 55N @ 74 mm 1750N ± 175N @ 40 mm					
Centrifugal lever	1 x (P/N 420248725) (3 X 248433)			3 x (P/N 707003077) (CAL# A401_706600410)		
Weight (g)	78.99 ± 0.6			81.4 ± 0.3		
Width (mm)	13.85 ± 0.25			12.71 ± 0.05		
Engagement RPM ± 100	1950					
Maximum RPM ± 100	7500					

## Driven Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Green (P/N 420238186)					
Load when compressed	800 N @ 72.8 mm 1100 N @ 46.1 mm					
Cam	ACC 45°/48° (P/N 4202807804)					
Sliding pulley ass'y	420280784					

# Maverick Trail 1000 Series

## Drive Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Green (P/N 420638119)					
Load when compressed	415N ± 25N @ 60.6 mm 870N ± 50N @ 28 mm					
Centrifugal lever	1 x (P/N 420248684) (6 X 659)			6 x (P/N 707002485) (CAL# A604)		
Weight (g)	47.45 ± 0.6			39.29 ± 0.3		
Width (mm)	13.9 ± 0.1			10.68 ± 0.05		
Engagement RPM ± 100	1950					
Maximum RPM ± 100	8000					

## Driven Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Brown / Brown (P/N 420638122)					
Load when compressed	508N @ 61 mm 803N @ 35.2 mm					
Cam	ACC 42° (P/N 420280647)					

# Maverick Trail 1000 T Series

## Drive Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Yellow/Blue (P/N 420638115)					
Load when compressed	446N @ 60.6 mm 690N @ 28 mm					
Centrifugal lever	1 x (P/N 420248711) (3 x 248697)					
Weight (g)	45.88 ± 0.6					
Width (mm)	14.4 ± 0.1					
Engagement RPM ± 100	1900					
Maximum RPM ± 100	8000					

## Driven Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Brown / Brown (P/N 420638122)					
Load when compressed	508N @ 61 mm 803N @ 35.2 mm					
Cam	ACC 42° (P/N 420280647)					

**Maverick Sport DPS 1000R /**  
**Maverick Sport MAX DPS 1000R /**  
**Maverick Sport X mr 1000R /**  
**Maverick Sport X rc 1000R /**  
**Maverick Sport X xc 1000R**

Drive Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Green (P/N 420638119)					
Load when compressed	415N ± 25N @ 60.6 mm 870N ± 50N @ 28 mm					
Centrifugal lever	1 x (P/N 420248712) (3 x 248695)			6 x (P/N 707002486) (CAL# A605)		
Weight (g)	41.78 ± 0.6			40 ± 0.3		
Width (mm)	13.0 ± 0.1			10.41 ± 0.05		
Engagement RPM ± 100	1850					
Maximum RPM ± 100	8000					

Driven Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Black with lug (P/N 420638124)					
Load when compressed	500N @ 69.9 mm 800N @ 43.2 mm					
Cam	46° / 56° (P/N 420280755)					
Preload (kg)	A4 = 11.5					

# Maverick Sport 1000R T / Maverick Sport MAX 1000R T

## Drive Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Yellow/Blue (P/N 420638115)					
Load when compressed	446N @ 60.6 mm 690N @ 28 mm					
Centrifugal lever	1 x (P/N 420248711) (3 x 248697)					
Weight (g)	45.88 ± 0.6					
Width (mm)	14.4 ± 0.1					
Engagement RPM ± 100	1950					
Maximum RPM ± 100	8000					

## Driven Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Black with lug (P/N 420638124)					
Load when compressed	500N @ 69.9 mm 800N @ 43.2 mm					
Cam	46° / 56° (P/N 420280755)					
Preload (kg)	A4 = 11.5					

# Maverick X3 Turbo Series (135 HP)

## Drive Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Purple (P/N 420638133)					
Load when compressed	550N ± 55N @ 74 mm 1750N ± 175N @ 40 mm					
Centrifugal lever	1 x (P/N 420248752) (3 X 248032)			3 x (P/N 706600428) (CAL# A402_707003276)		
Weight (g)	83.5 ± 0.6			82.3 ± 0.3		
Width (mm)	13.85 ± 0.25			14 ± 0.05		
Engagement RPM ± 100	2200					
Maximum RPM ± 100	8300					

## Driven Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Black with lug (P/N 420638135)					
Load when compressed	600N @ 69.9 mm 900N @ 43.2 mm					
Cam	48° / 52° (P/N 420280846)					
Preload (kg)	A4 = 12.25					

# Maverick X3 Turbo RR Series (195 HP)

## Drive Pulley

	SEA LEVEL 0 M (0 FT)	3000 M (10000 FT)			
Spring	(P/N 420638133)				
Load when compressed	550N ± 55N @ 74 mm 1750N ± 175N @ 40 mm				
Centrifugal lever	1 x (P/N 420248737) (3 x 248017)			3 x (P/N 707003076) (CAL# A400_706600409)	
Weight (g)	95.8 ± 0.6			95.5 ± 0.3	
Width (mm)	13.85 ± 0.25			14.0 ± 0.05	
Engagement RPM ± 100	2150				
Maximum RPM ± 100	8300				

## Driven Pulley

	SEA LEVEL 0 M (0 FT)	600 M (2000 FT)	1200 M (4000 FT)	1800 M (6000 FT)	2400 M (8000 FT)	3000 M (10000 FT)
Spring	Green with lug (P/N 420638126)					
Load when compressed	830N @ 69.9 mm 1170N @ 43.2 mm					
Cam	48° / 52° (P/N 420280846)					
Preload (kg)	A4 = 11.5					

# SPRING RATES AND SPECIFICATIONS

SPRING SPECIFICATIONS								
PART NUMBER	WIRE DIA.	FREE LENGTH	LOAD ± 10%					
	MM	MM	N	LB	"A" = X MM	N	LB	"A" = X MM
420238176	5.2	139	600	135	69.8	869	195	42.8
420638115	4.3	120	446	100	60.6	690	155	28
420638119	4.8	93.2	415	93	60.6	870	196	28
420638122	5.25	105.4	508	114	61	803	181	35.2
420638124	5.7	114.5	500	112	69.9	800	180	43.2
420638126	5.94	134.8	829.5	186	69.9	1170	263	43.2
420638133	6.96	92.1	550	124	74	1750	393	40
420638135	5.71	124.5	600	135	69.9	900	202	43.2
420638146	5.7	104	445	100	70	890	200	36