

Auto Choke Arm Assembly Identification

This bulletin may be used to aid in the identification of the **auto choke arm assembly** used on certain XT Series engines.

Since the introduction of the auto choke feature on this engine series, a number of different **rotating lever arm** design assemblies have been used prior to the current **push/pull rod** design which is covered on page 4 of this bulletin.

The primary differences with the rotating lever arm style have been:

1. Overall length of the assembly (rod). See Figure 1.
2. Position and design of the welded bracket on the thermostat housing for attaching to the muffler. See Figures 2 and 3.
3. Change to the outer support bracket that serves as a linkage stop.

NOTE: All references to length are measured from the bushing on the thermostat housing end, to the end of the shaft. See Figure 1.

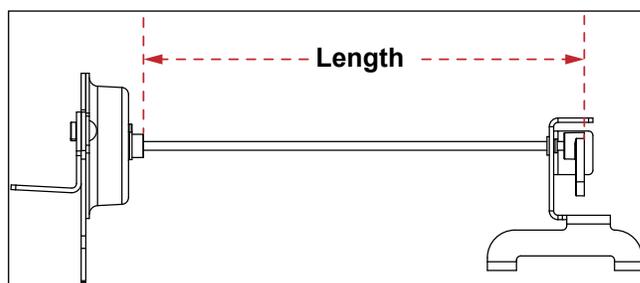


Figure 1. Length Reference Drawing.

The welded bracket position on the thermostat housing, illustrated in Figures 2 and 3, is based on the muffler size.

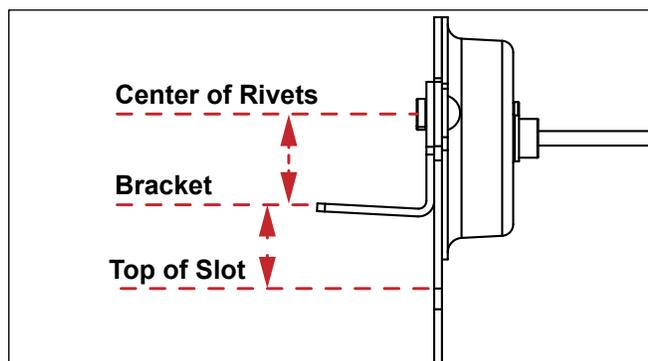


Figure 2. Bracket Position for Small Muffler.

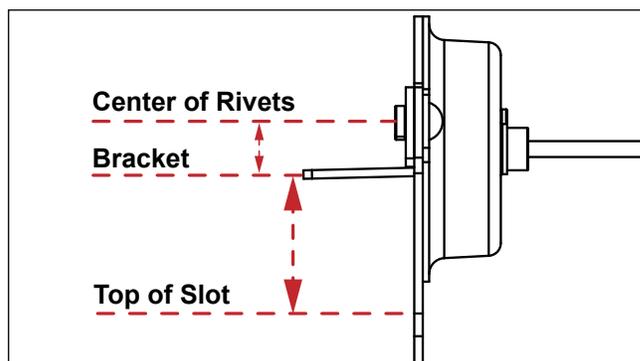


Figure 3. Bracket Position for Large Muffler.

XT-6, XT6.5, XT650, XT6.75, XT675 (149cc Displacement) Auto Choke Arm Assemblies

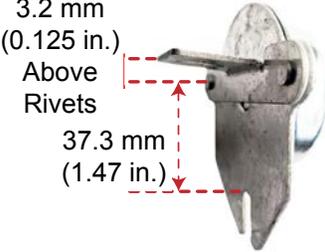
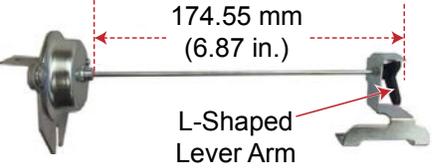
Original Service Part Number	Current/Pending Replacement Service Part Number
14 187 02-S	14 187 02-S
14 187 04-S, 14 187 10-S	14 187 10-S
14 187 07-S	14 187 07-S
14 187 14-S, 14 187 16-S, 14 187 17-S	14 187 17-S

Description	Housing Bracket Detail	Auto Choke Arm Assembly
<p>14 187 02-S</p> <ul style="list-style-type: none"> Used with thin (6 mm/0.236 in.) carburetor spacer and small muffler. Introduced in 2009. 	<p>19.1 mm (0.750 in.) 19.1 mm (0.750 in.)</p>	<p>150.7 mm (5.93 in.)</p>
<p>14 187 04-S</p> <ul style="list-style-type: none"> Used with thick (16 mm/0.625 in.) carburetor spacer and small muffler. Introduced in 2010. 	<p>19.1 mm (0.750 in.) 19.1 mm (0.750 in.)</p>	<p>160.7 mm (6.32 in.)</p>
<p>14 187 07-S</p> <ul style="list-style-type: none"> Used with thin (6 mm/0.236 in.) carburetor spacer and large muffler. Introduced in 2012. 	<p>3.2 mm (0.125 in.) 36.8 mm (1.450 in.)</p>	<p>150.7 mm (5.93 in.)</p>
<p>14 187 10-S</p> <ul style="list-style-type: none"> Used with thick (16 mm/0.625 in.) carburetor spacer and small muffler. Outer bracket has a built-in stop for L-shaped lever arm. Introduced in 2013. 	<p>19.1 mm (0.750 in.) 19.1 mm (0.750 in.)</p>	<p>160.7 mm (6.32 in.) L-Shaped Lever Arm</p>
<p>14 187 14-S, 14 187 16-S, 14 187 17-S</p> <ul style="list-style-type: none"> Used with thick (16 mm/0.625 in.) carburetor spacer and large muffler. Outer bracket has built-in stop for L-shaped lever arm. Introduced in 2013 (material and certification changes occurring since). 	<p>3.2 mm (0.125 in.) 36.8 mm (1.450 in.)</p>	<p>160.7 mm (6.32 in.) L-Shaped Lever Arm</p>

XT-7, XT775, XT8 (173cc Displacement) Auto Choke Arm Assemblies

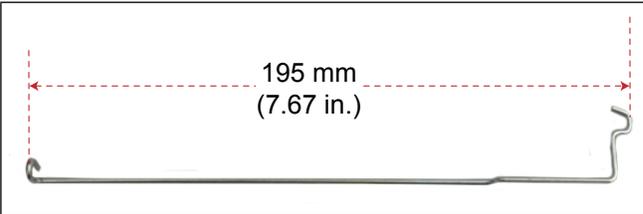
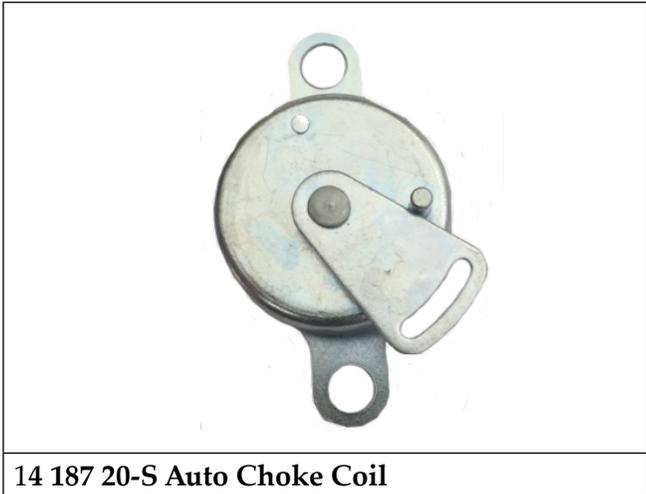
Original Service Part Number	Current/Pending Replacement Service Part Number
14 187 01-S, 14 187 11-S	14 187 01-S
14 187 03-S, 14 187 12-S, 14 187 19-S	14 187 12-S
14 187 08-S, 14 187 15-S, 14 187 18-S	14 187 18-S

Description	Housing Bracket Detail	Auto Choke Arm Assembly
<p>14 187 01-S</p> <ul style="list-style-type: none"> Used with thin (8 mm/0.314 in.) carburetor spacer and small muffler. Introduced in 2009. 		
<p>14 187 03-S</p> <ul style="list-style-type: none"> Used with thick (16 mm/0.625 in.) carburetor spacer and small muffler. Introduced in 2010. 		
<p>14 187 08-S</p> <ul style="list-style-type: none"> Used with thick (16 mm/0.625 in.) carburetor spacer and large muffler. Introduced in 2012. 		
<p>14 187 11-S</p> <ul style="list-style-type: none"> Used with thin (8 mm/0.314 in.) carburetor spacer and small muffler. Same as 14 187 01-S but outer bracket has a built-in stop for L-Shaped lever arm. Introduced in 2013. 		
<p>14 187 12-S & 14 187 19-S</p> <ul style="list-style-type: none"> Used with thick (16 mm/0.625 in.) carburetor spacer and small muffler. Same as 14 187 03-S but outer bracket has a built-in stop for L-Shaped lever arm and material change. Introduced in 2013. 		
14 187 15-S & 14 187 18-S	Details and illustrations on page 4.	

14 187 15-S & 14 187 18-S		
<ul style="list-style-type: none"> Used with thick (16 mm/0.625 in.) carburetor spacer and large muffler. 		
<ul style="list-style-type: none"> Same as 14 187 08-S but outer bracket has a built-in stop for L-Shaped lever arm and material change. 		
<ul style="list-style-type: none"> Introduced in 2013. 		

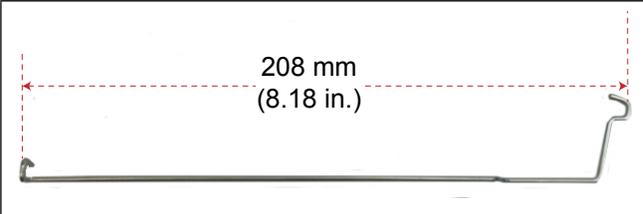
Push/Pull with Top Mounted Thermostat Design 2014 and Newer

This design consists of a thermostatic coil with lever, mounted on TOP of the muffler and moves a formed link (rod), which is pushed/pulled to actuate the choke. Two different length links were used depending on the engine involved.



14 079 32-S Linkage

- Used on XT650, XT675 engines.



14 079 33-S Linkage

- Used on XT775, XT8 engines.